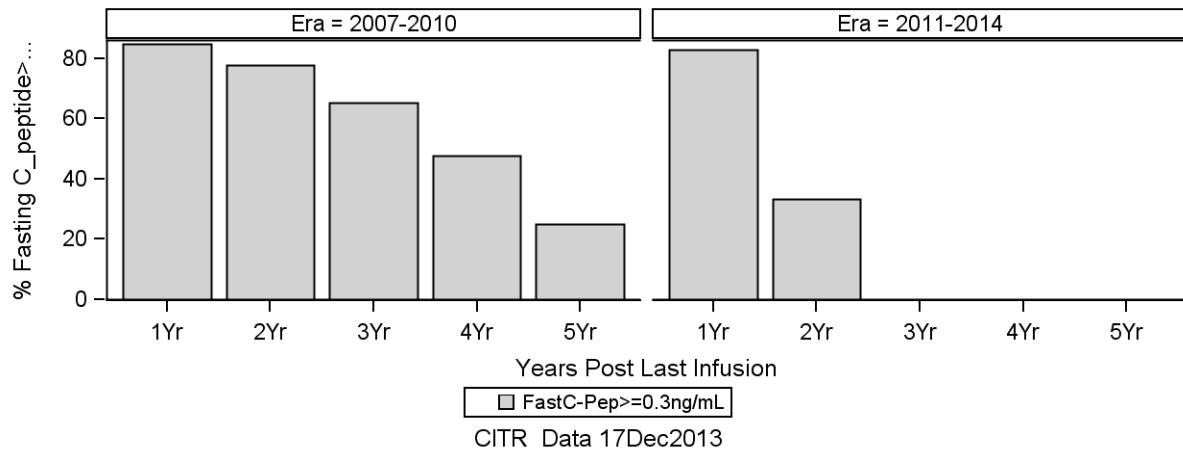
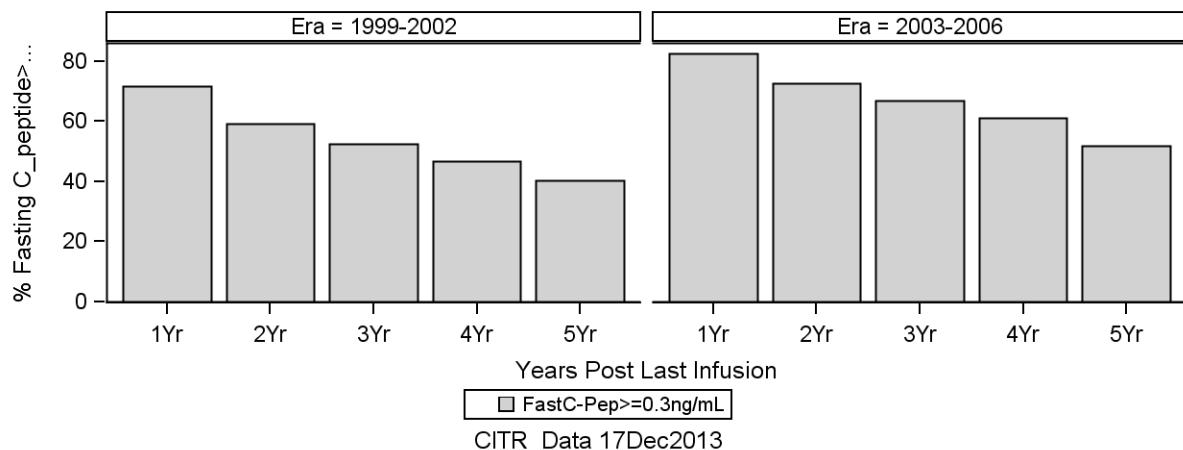


Fasting C_peptide>=0.3 ng/mL



Era		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
	FastC-Pep>=0.3ng/mL					
1999-2002	<0.3	46	62	71	74	77
	>=0.3	116	90	78	65	52
2003-2006	<0.3	38	57	62	64	73
	>=0.3	179	150	125	100	78
2007-2010	<0.3	25	29	25	21	18
	>=0.3	138	100	47	19	6
2011-2014	<0.3	9	4	.	.	.
	>=0.3	43	2	.	.	.
Total	FastC-Pep>=0.3ng/mL					
	<0.3	118	152	158	159	168
	>=0.3	476	342	250	184	136

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.7932	0.2803	0.2437	1.3426	2.83	0.0047
yrspli	-0.3038	0.0708	-0.4425	-0.1650	-4.29	<.0001
era	0.3542	0.1373	0.0850	0.6233	2.58	0.0099
yrspli*era	0.0248	0.0389	-0.0514	0.1010	0.64	0.5236

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.6788	0.2334	0.2214	1.1362	2.91	0.0036
yrspli	-0.2612	0.0262	-0.3126	-0.2098	-9.96	<.0001
era	0.4203	0.1047	0.2151	0.6254	4.02	<.0001

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.1528	0.8361	-1.4858	1.7914	0.18	0.8550
yrspli	-0.0776	0.1740	-0.4187	0.2635	-0.45	0.6558
era	0.5496	0.4797	-0.3905	1.4897	1.15	0.2519
yrspli*era	-0.0922	0.1004	-0.2891	0.1046	-0.92	0.3586

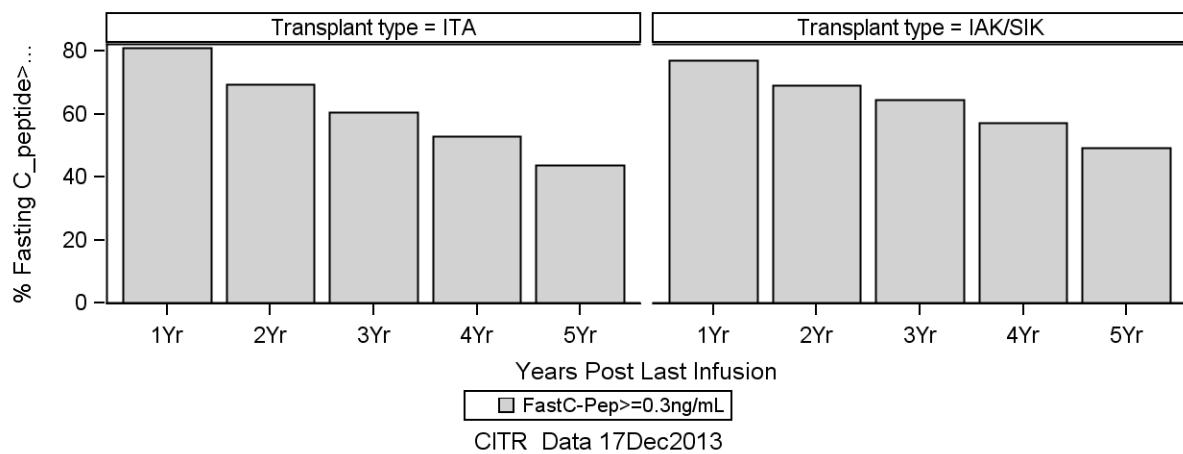
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.8312	0.4094	0.0288	1.6336	2.03	0.0423
yrspli	-0.2313	0.0636	-0.3558	-0.1067	-3.64	0.0003
era	0.1432	0.1601	-0.1705	0.4569	0.89	0.3710

Fasting C_peptide \geq 0.3 ng/mL



Transplant type		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
	FastC-Pep \geq 0.3ng/mL					
ITA	<0.3	90	121	126	129	138
	\geq 0.3	383	273	192	144	107
IAK/SIK	<0.3	28	31	32	30	30
	\geq 0.3	93	69	58	40	29
Total	FastC-Pep \geq 0.3ng/mL					
	<0.3	118	152	158	159	168
	\geq 0.3	476	342	250	184	136

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.6093	0.1255	1.3633 1.8554	12.82	<.0001
yrspli	-0.2990	0.0304	-0.3585 -0.2395	-9.84	<.0001
typeoftran	-0.3181	0.2617	-0.8310 0.1947	-1.22	0.2241
yrspli*typeoftran	0.1544	0.0606	0.0355 0.2732	2.55	0.0109

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.4964	0.1155	1.2700	1.7227	12.96	<.0001
yrspli	-0.2674	0.0269	-0.3201	-0.2146	-9.93	<.0001
typeoftran	0.3099	0.2182	-0.1178	0.7376	1.42	0.1555

Testing at 4-5 yr

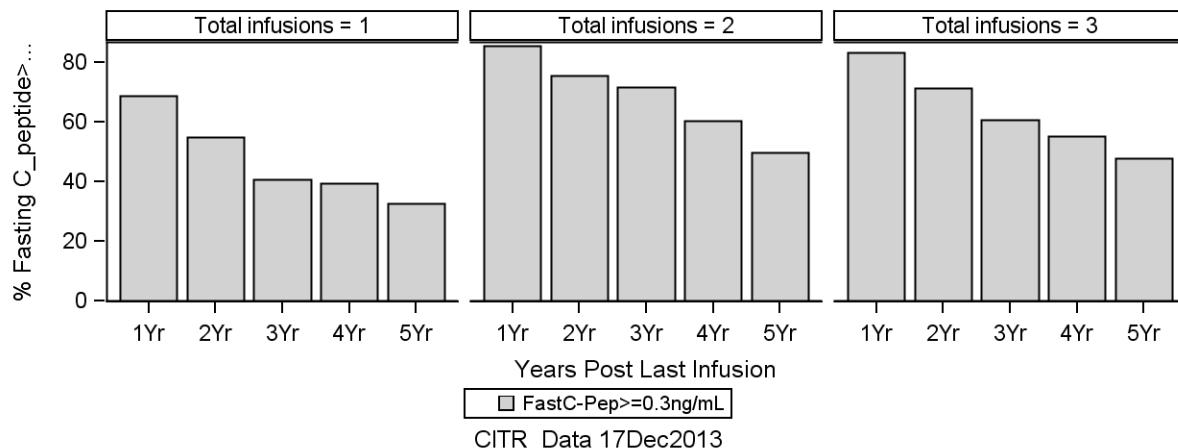
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1682	0.3628	0.4570	1.8793	3.22	0.0013
yrspli	-0.2628	0.0770	-0.4137	-0.1120	-3.42	0.0006
typeoftran	-0.4669	0.5345	-1.5144	0.5807	-0.87	0.3824
yrspli*typeoftran	0.1594	0.1032	-0.0428	0.3617	1.54	0.1224

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.0304	0.3068	0.4291	1.6316	3.36	0.0008
yrspli	-0.2319	0.0636	-0.3565	-0.1073	-3.65	0.0003
typeoftran	0.2452	0.2652	-0.2745	0.7650	0.92	0.3551

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>Total infusions</i>		<i>FastC-Pep>=0.3ng/mL</i>				
1	<0.3		52	57	60	54
	≥0.3		113	69	41	35
2	<0.3		44	62	60	70
	≥0.3		256	191	151	106
3	<0.3		22	33	38	35
	≥0.3		107	82	58	43
<i>Total</i>		<i>FastC-Pep>=0.3ng/mL</i>				
		<0.3		118	152	158
		≥0.3		476	342	250
				184	136	

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	0.6471	0.3263	0.0075 1.2867	1.98	0.0474
yrspli	-0.1108	0.0712	-0.2503 0.0287	-1.56	0.1195
tottx	0.4734	0.1677	0.1447 0.8020	2.82	0.0048
yrspli*tottx	-0.0845	0.0376	-0.1582 -0.0108	-2.25	0.0246

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.2312	0.2680	0.7060 1.7563	4.59	<.0001
yrspli	-0.2709	0.0264	-0.3227 -0.2192	-10.26	<.0001
tottx	0.1608	0.1230	-0.0803 0.4019	1.31	0.1911

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.3556	0.7856	-1.1841	1.8953	0.45	0.6508
yrspli	-0.2138	0.1598	-0.5270	0.0995	-1.34	0.1811
tottx	0.3752	0.4027	-0.4142	1.1645	0.93	0.3515
yrspli*tottx	-0.0108	0.0820	-0.1715	0.1500	-0.13	0.8956

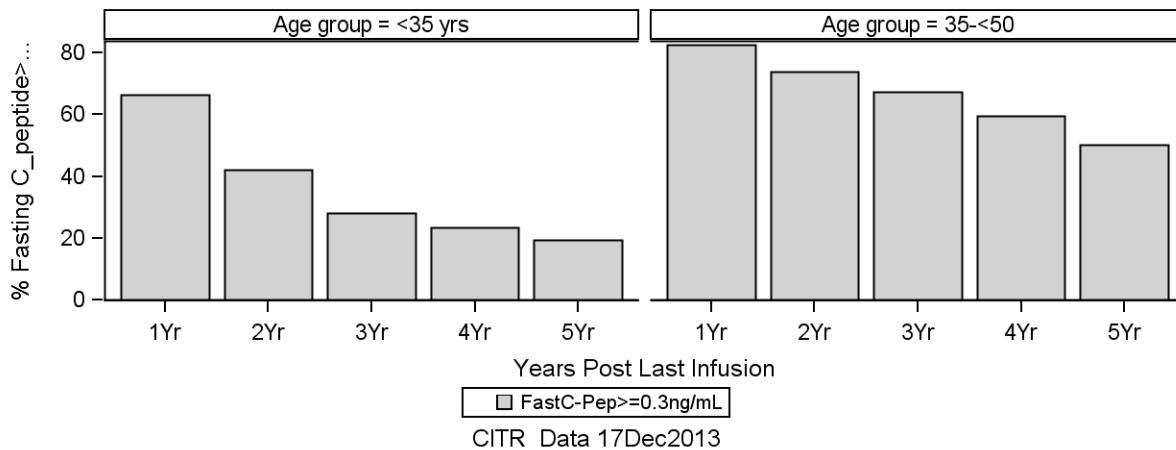
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.4509	0.4204	-0.3731	1.2748	1.07	0.2835
yrspli	-0.2352	0.0643	-0.3612	-0.1093	-3.66	0.0003
tottx	0.3271	0.1530	0.0273	0.6270	2.14	0.0325

Fasting C_peptide>=0.3 ng/mL



Age group	FastC-Pep>=0.3ng/mL	Years Post Last Infusion				
		1	2	3	4	5
n	n	n	n	n	n	n
<35 yrs	<0.3	29	40	44	43	42
	>=0.3	57	29	17	13	10
35-50	<0.3	89	112	114	116	126
	>=0.3	419	313	233	171	126

		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>Total</i>		<i>FastC-Pep>=0.3ng/mL</i>				
	<0.3		118	152	158	159
	≥0.3		476	342	250	184
						136

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
<i>Intercept</i>	-0.1987	0.5024	-1.1833 0.7859	-0.40	0.6925
<i>yrspli</i>	-0.5513	0.1603	-0.8655 -0.2372	-3.44	0.0006
<i>age_c</i>	0.9669	0.2746	0.4287 1.5051	3.52	0.0004
<i>yrspli*age_c</i>	0.1454	0.0843	-0.0198 0.3106	1.73	0.0845

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
<i>Intercept</i>	-0.6799	0.3836	-1.4316 0.0719	-1.77	0.0763
<i>yrspli</i>	-0.2830	0.0285	-0.3388 -0.2271	-9.93	<.0001
<i>age_c</i>	1.2526	0.2090	0.8430 1.6622	5.99	<.0001

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
<i>Intercept</i>	-3.6025	1.5548	-6.6499 -0.5552	-2.32	0.0205
<i>yrspli</i>	0.2041	0.3185	-0.4202 0.8283	0.64	0.5217
<i>age_c</i>	2.5530	0.8353	0.9160 4.1901	3.06	0.0022
<i>yrspli*age_c</i>	-0.2408	0.1717	-0.5772 0.0957	-1.40	0.1608

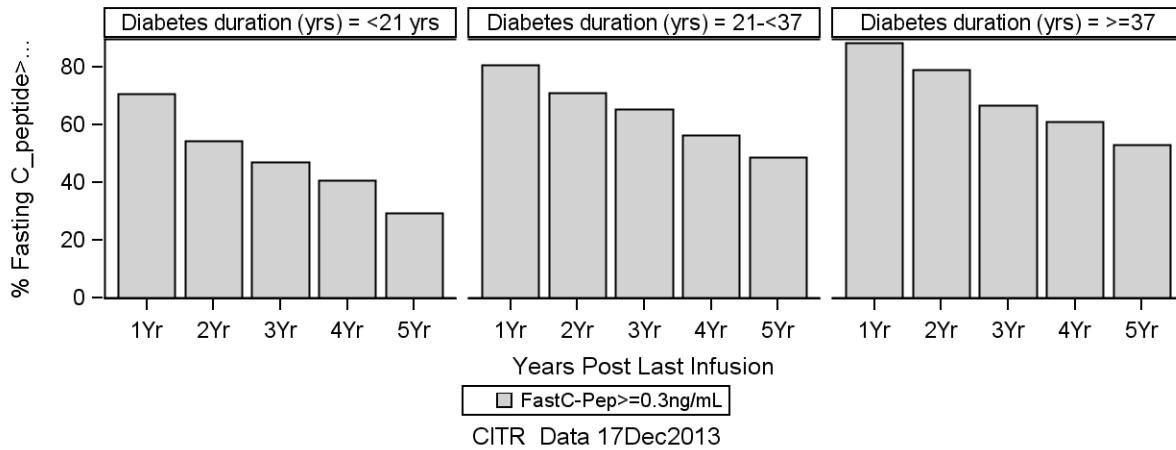
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	-1.6679	0.6779	-2.9964	-0.3393	-2.46	0.0139
yrspli	-0.2488	0.0681	-0.3822	-0.1154	-3.65	0.0003
age_c	1.5212	0.3307	0.8730	2.1695	4.60	<.0001

Fasting C_peptide>=0.3 ng/mL



Diabetes duration (yrs)		Years Post Last Infusion				
		1	2	3	4	5
<21 yrs	<0.3	39	50	49	48	53
	≥0.3	93	59	43	33	22
21-37	<0.3	53	70	72	76	78
	≥0.3	217	170	134	98	74
≥37	<0.3	18	27	34	32	34
	≥0.3	134	101	68	50	38
Total	FastC-Pep>=0.3ng/mL					
	<0.3	110	147	155	156	165
	≥0.3	444	330	245	181	134

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	0.4846	0.3314	-0.1650	1.1342	1.46	0.1437
<i>yrspli</i>	-0.2529	0.0820	-0.4137	-0.0921	-3.08	0.0020
<i>duration_c</i>	0.5315	0.1649	0.2084	0.8546	3.22	0.0013
<i>yrspli*duration_c</i>	-0.0106	0.0401	-0.0892	0.0681	-0.26	0.7923

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	0.5508	0.2612	0.0388	1.0627	2.11	0.0350
<i>yrspli</i>	-0.2735	0.0272	-0.3269	-0.2201	-10.04	<.0001
<i>duration_c</i>	0.4956	0.1241	0.2524	0.7388	3.99	<.0001

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	0.7871	0.9478	-1.0706	2.6448	0.83	0.4063
<i>yrspli</i>	-0.3608	0.1992	-0.7512	0.0296	-1.81	0.0701
<i>duration_c</i>	0.1662	0.4561	-0.7277	1.0601	0.36	0.7155
<i>yrspli*duration_c</i>	0.0600	0.0957	-0.1276	0.2477	0.63	0.5306

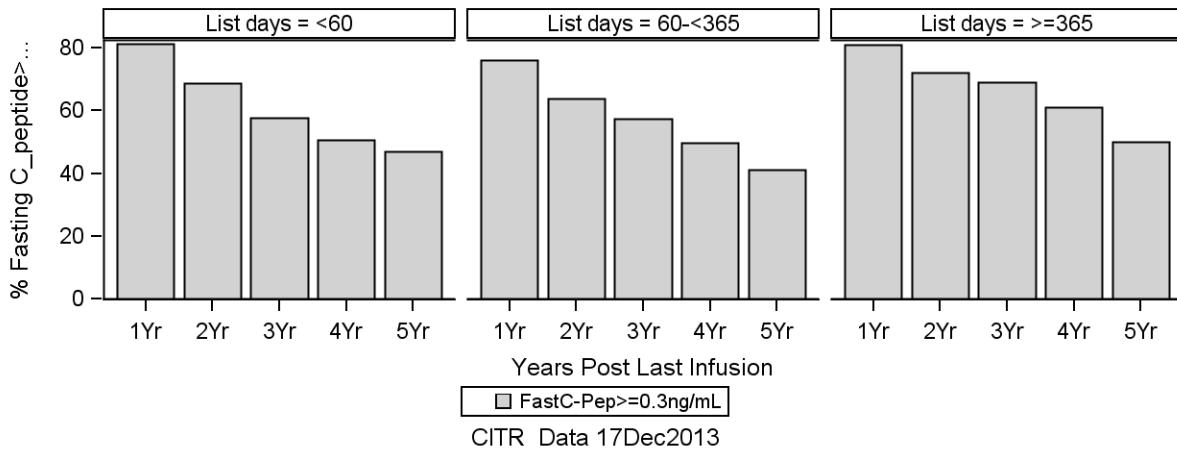
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	0.2538	0.4350	-0.5988	1.1065	0.58	0.5596
<i>yrspli</i>	-0.2409	0.0659	-0.3701	-0.1117	-3.65	0.0003
<i>duration_c</i>	0.4339	0.1542	0.1316	0.7362	2.81	0.0049

Fasting C_peptide>=0.3 ng/mL



List days	$\text{FastC-Pep} \geq 0.3 \text{ ng/mL}$	Years Post Last Infusion				
		1	2	3	4	5
n	n	n	n	n	n	n
<60	<0.3	18	27	33	35	35
<60	≥ 0.3	78	59	45	36	31
60-365	<0.3	54	72	75	78	82
60-365	≥ 0.3	170	127	101	77	57
≥ 365	<0.3	25	32	32	32	36
≥ 365	≥ 0.3	106	83	71	50	36
Total	$\text{FastC-Pep} \geq 0.3 \text{ ng/mL}$					
	<0.3	97	131	140	145	153
	≥ 0.3	354	269	217	163	124

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.2969	0.3597	0.5919 2.0019	3.61	0.0003
yrspli	-0.3263	0.0856	-0.4941 -0.1585	-3.81	0.0001
listdays_c	0.0535	0.1655	-0.2708 0.3778	0.32	0.7465
yrspli*listdays_c	0.0309	0.0389	-0.0454 0.1072	0.79	0.4272

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.0786	0.2845	0.5210	1.6362	3.79	0.0001
yrspli	-0.2638	0.0277	-0.3181	-0.2096	-9.53	<.0001
listdays_c	0.1630	0.1283	-0.0885	0.4145	1.27	0.2041

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	-0.5033	0.8274	-2.1249	1.1184	-0.61	0.5430
yrspli	0.0410	0.1688	-0.2898	0.3718	0.24	0.8082
listdays_c	0.6924	0.3954	-0.0827	1.4674	1.75	0.0800
yrspli*listdays_c	-0.1163	0.0810	-0.2750	0.0425	-1.44	0.1512

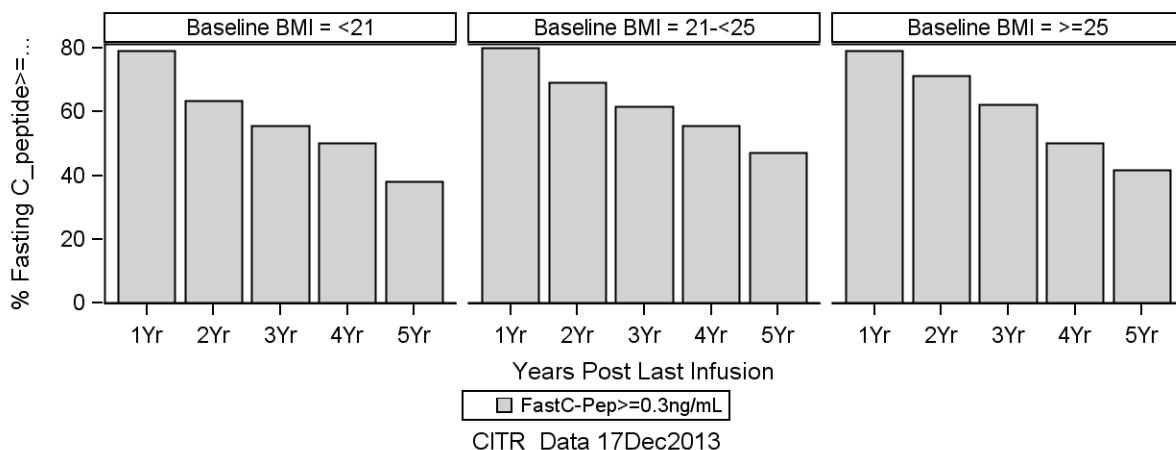
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.5437	0.4432	-0.3250	1.4123	1.23	0.2199
yrspli	-0.1941	0.0641	-0.3197	-0.0684	-3.03	0.0025
listdays_c	0.1739	0.1577	-0.1351	0.4829	1.10	0.2701

Fasting C_peptide>=0.3 ng/mL



Baseline BMI		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>FastC-Pep>=0.3ng/mL</i>						
<21	<0.3		20	30	32	32
	>=0.3		76	52	40	32
21-<25	<0.3		59	78	84	81
	>=0.3		236	175	134	101
>=25	<0.3		34	39	39	44
	>=0.3		129	97	64	42
<i>Total</i>		<i>FastC-Pep>=0.3ng/mL</i>				
	<0.3		113	147	155	157
	>=0.3		441	324	238	177
						130

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.4495	0.3702	0.7240	2.1750	3.92	<.0001
yrspli	-0.3151	0.0904	-0.4922	-0.1380	-3.49	0.0005
basebmi_c	0.0296	0.1712	-0.3060	0.3651	0.17	0.8629
yrspli*basebmi_c	0.0210	0.0423	-0.0619	0.1039	0.50	0.6199

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.2968	0.2844	0.7393	1.8542	4.56	<.0001
yrspli	-0.2717	0.0270	-0.3246	-0.2188	-10.06	<.0001
basebmi_c	0.1035	0.1259	-0.1432	0.3502	0.82	0.4108

Testing at 4-5 yr

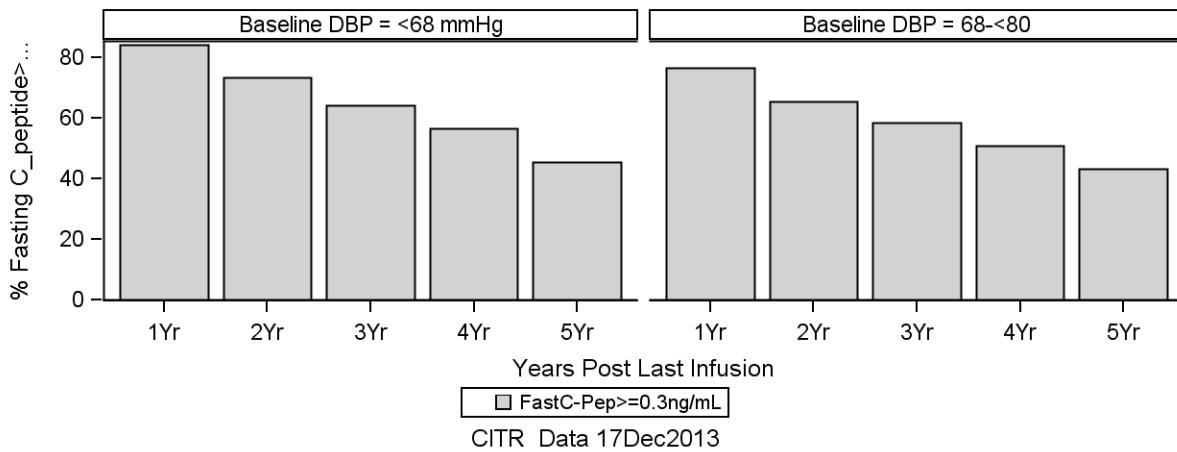
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.8160	0.9300	-0.0066 3.6387	1.95	0.0508	
yrspli	-0.4123	0.1916	-0.7877 -0.0368	-2.15	0.0314	
basebmi_c	-0.3590	0.4173	-1.1769 0.4589	-0.86	0.3897	
yrspli*basebmi_c	0.0847	0.0858	-0.0834 0.2529	0.99	0.3234	

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.0460	0.4523	0.1596 1.9324	2.31	0.0207	
yrspli	-0.2389	0.0651	-0.3665 -0.1112	-3.67	0.0002	
basebmi_c	0.0168	0.1585	-0.2938 0.3274	0.11	0.9156	

Fasting C_peptide>=0.3 ng/mL



Baseline DBP	FastC-Pep>=0.3ng/mL	Years Post Last Infusion				
		1	2	3	4	5
n	n	n	n	n	n	n
<68 mmHg	<0.3	22	30	29	29	31
	>=0.3	118	83	52	38	26
68-<80	<0.3	86	113	119	121	126
	>=0.3	284	214	168	125	96

		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Total	FastC-Pep>=0.3ng/mL					
<0.3		108	143	148	150	157
=0.3		402	297	220	163	122

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	2.3415	0.5219	1.3185	3.3644	4.49	<.0001
yrspli	-0.3228	0.1250	-0.5678	-0.0779	-2.58	0.0098
basedbp_c	-0.5049	0.2848	-1.0631	0.0534	-1.77	0.0763
yrspli*basedbp_c	0.0320	0.0680	-0.1013	0.1654	0.47	0.6380

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	2.1346	0.3850	1.3801	2.8892	5.54	<.0001
yrspli	-0.2653	0.0277	-0.3195	-0.2111	-9.60	<.0001
basedbp_c	-0.3900	0.2075	-0.7967	0.0167	-1.88	0.0602

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	2.2316	1.3787	-0.4705	4.9338	1.62	0.1055
yrspli	-0.4179	0.2863	-0.9790	0.1432	-1.46	0.1443
basedbp_c	-0.7024	0.7559	-2.1839	0.7792	-0.93	0.3528
yrspli*basedbp_c	0.1097	0.1574	-0.1987	0.4181	0.70	0.4858

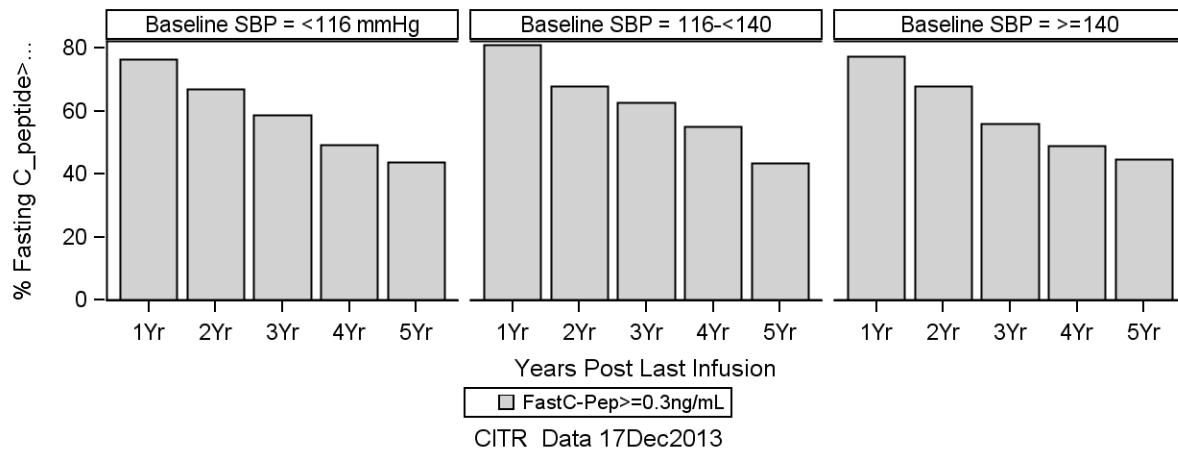
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.3545	0.5712	0.2350	2.4739	2.37	0.0177
yrspli	-0.2211	0.0664	-0.3513	-0.0909	-3.33	0.0009
basedbp_c	-0.2138	0.2658	-0.7348	0.3072	-0.80	0.4212

Fasting C_peptide>=0.3 ng/mL



Baseline SBP	FastC-Pep>=0.3ng/mL	Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<116 mmHg	<0.3	31	36	34	38	40
	>=0.3	100	73	48	37	31
116-<140	<0.3	47	69	69	70	76
	>=0.3	200	146	115	86	58
>=140	<0.3	30	38	45	42	41
	>=0.3	102	80	57	40	33
Total	FastC-Pep>=0.3ng/mL					
	<0.3	108	143	148	150	157
	>=0.3	402	299	220	163	122

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.4837	0.3595	0.7792	2.1882	4.13	<.0001
<i>yrspli</i>	-0.3181	0.0858	-0.4862	-0.1500	-3.71	0.0002
<i>basesbp_c</i>	-0.0129	0.1691	-0.3443	0.3184	-0.08	0.9391
<i>yrspli*basesbp_c</i>	0.0260	0.0407	-0.0538	0.1058	0.64	0.5237

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.3039	0.2704	0.7740	1.8338	4.82	<.0001
<i>yrspli</i>	-0.2655	0.0277	-0.3198	-0.2112	-9.58	<.0001
<i>basesbp_c</i>	0.0772	0.1221	-0.1621	0.3165	0.63	0.5271

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.8412	1.0181	-0.1543	3.8367	1.81	0.0705
<i>yrspli</i>	-0.4297	0.2155	-0.8521	-0.0073	-1.99	0.0462
<i>basesbp_c</i>	-0.4316	0.4813	-1.3749	0.5116	-0.90	0.3698
<i>yrspli*basesbp_c</i>	0.1038	0.1020	-0.0962	0.3038	1.02	0.3091

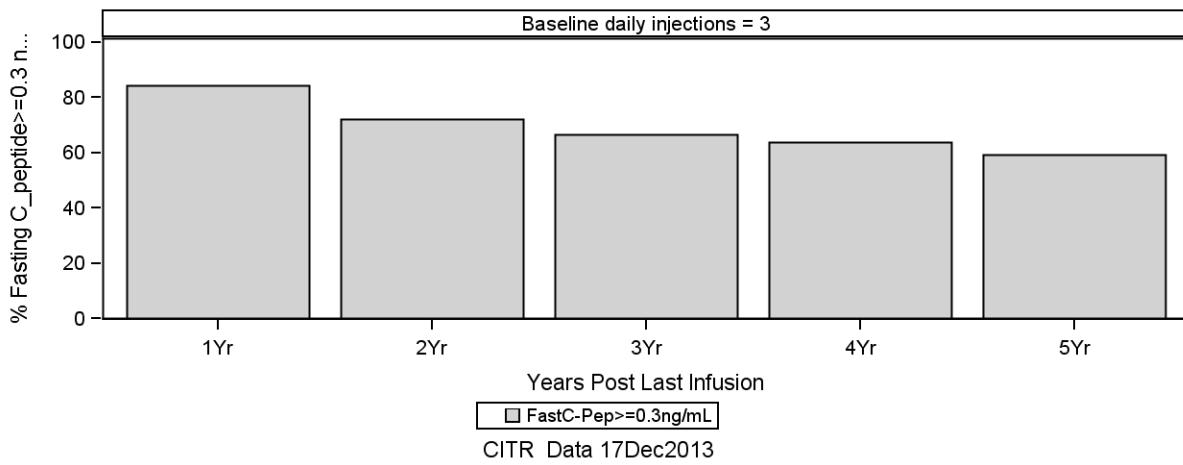
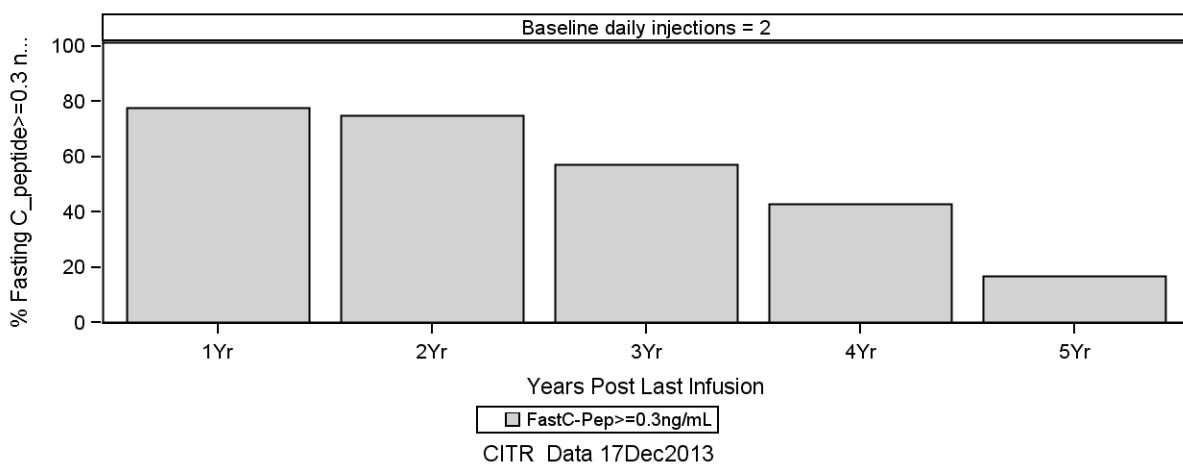
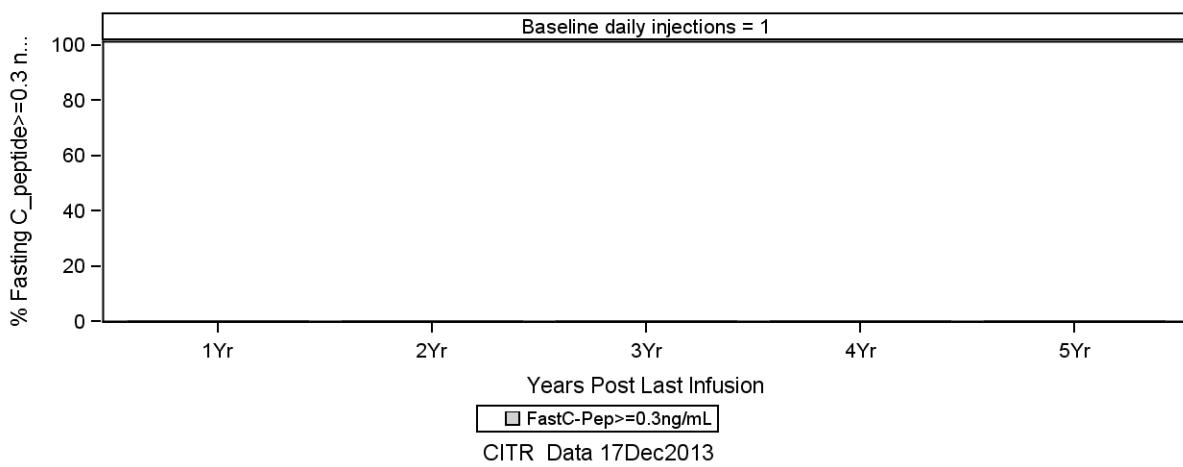
The GENMOD Procedure

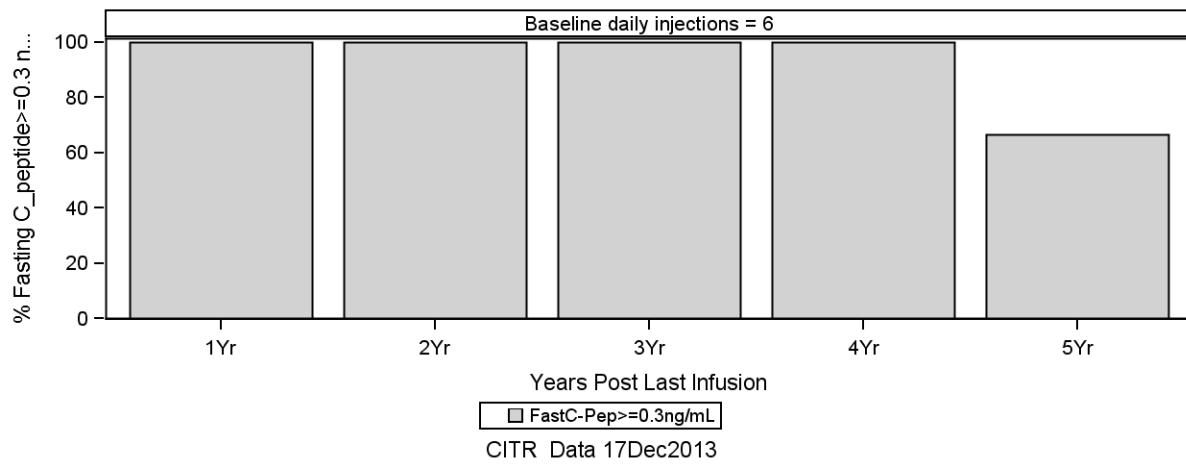
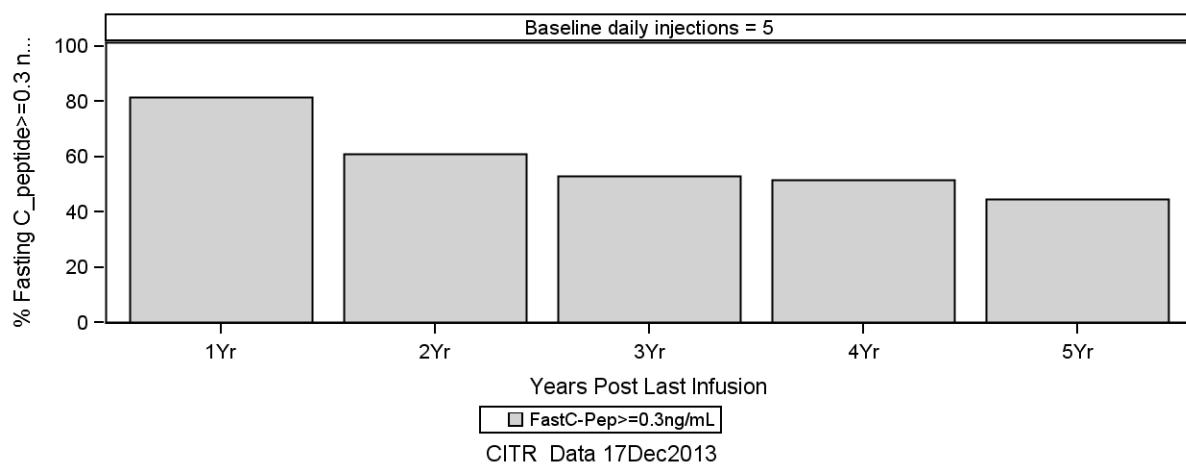
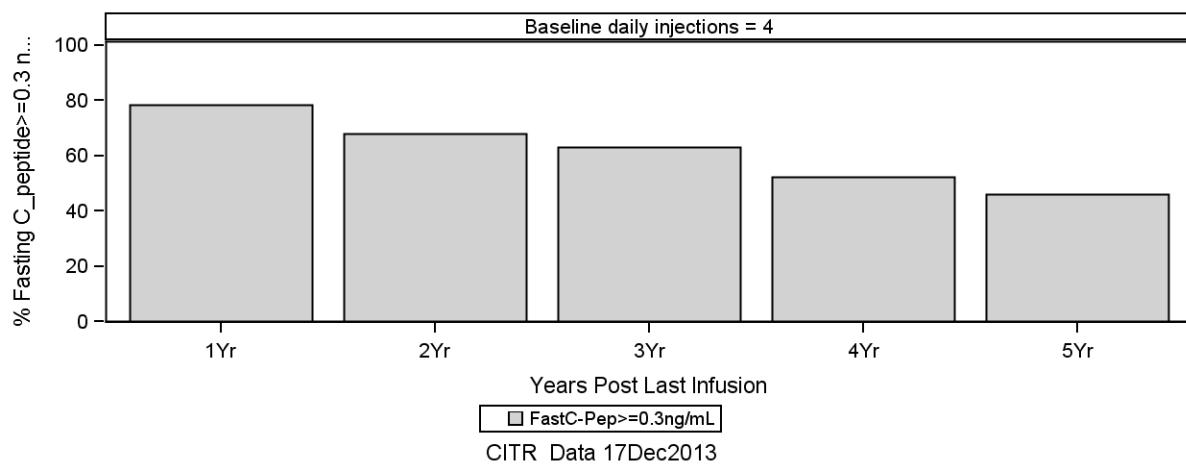
Analysis Of GEE Parameter Estimates

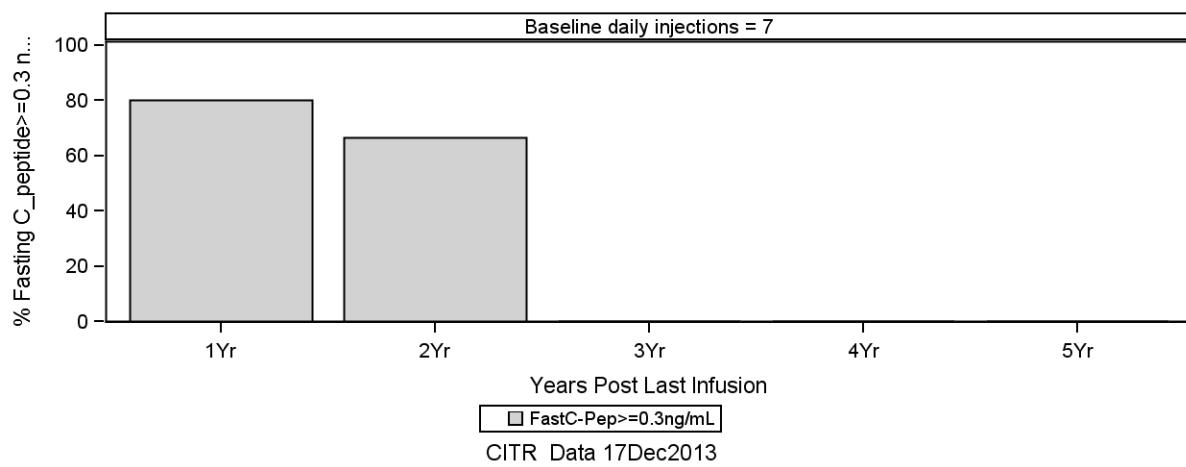
Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	0.9107	0.4410	0.0464	1.7751	2.07	0.0389
<i>yrspli</i>	-0.2211	0.0663	-0.3510	-0.0912	-3.34	0.0009
<i>basesbp_c</i>	0.0311	0.1527	-0.2681	0.3303	0.20	0.8386

Fasting C_peptide>=0.3 ng/mL







	Baseline daily injections	FastC-Pep \geq 0.3ng/mL	Years Post Last Infusion				
			1	2	3	4	5
			n	n	n	n	n
1	<0.3		1	1	1	1	1
2	<0.3		2	2	3	4	5
	≥0.3		7	6	4	3	1
3	<0.3		7	10	10	8	9
	≥0.3		38	26	20	14	13
4	<0.3		37	51	56	63	62
	≥0.3		135	108	95	69	53
5	<0.3		8	14	15	14	15
	≥0.3		35	22	17	15	12
6	<0.3		.	.	.	.	1
	≥0.3		6	5	4	3	2
7	<0.3		1	1	1	1	1
	≥0.3		4	2	.	.	.
Total		FastC-Pep \geq 0.3ng/mL					
	<0.3		56	79	86	91	94
	≥0.3		225	169	140	104	81

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.2007	0.8132	-0.3932 2.7945	1.48	0.1398
yrspli	-0.2463	0.1966	-0.6316 0.1389	-1.25	0.2101
baseinjec	0.0783	0.1987	-0.3112 0.4678	0.39	0.6935
yrspli*baseinjec	-0.0097	0.0479	-0.1036 0.0842	-0.20	0.8389

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.3363	0.5523	0.2537	2.4189	2.42	0.0155
yrspli	-0.2852	0.0360	-0.3558	-0.2146	-7.92	<.0001
baseinjec	0.0443	0.1325	-0.2154	0.3041	0.33	0.7381

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.1523	2.3784	-4.5093	4.8140	0.06	0.9489
yrspli	-0.0414	0.5021	-1.0255	0.9427	-0.08	0.9343
baseinjec	0.1744	0.5930	-0.9878	1.3366	0.29	0.7686
yrspli*baseinjec	-0.0339	0.1254	-0.2795	0.2118	-0.27	0.7871

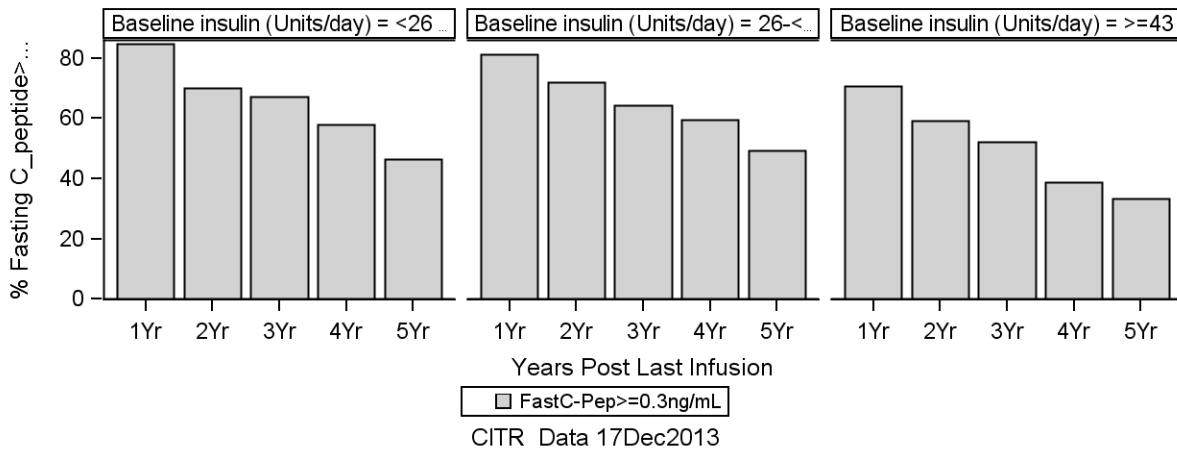
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.7588	0.8253	-0.8587	2.3763	0.92	0.3578
yrspli	-0.1771	0.0818	-0.3375	-0.0167	-2.16	0.0304
baseinjec	0.0231	0.1814	-0.3324	0.3786	0.13	0.8986

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>Baseline insulin (Units/day)</i>						
<26 U/day	<0.3	16	26	25	27	29
	≥0.3	89	61	51	37	25
26-<43	<0.3	52	70	77	76	86
	≥0.3	225	180	138	112	84
>=43	<0.3	38	46	48	51	50
	≥0.3	92	67	52	32	25
<i>Total</i>	<i>FastC-Pep>=0.3ng/mL</i>					
	<0.3	106	142	150	154	165
	≥0.3	406	308	241	181	134

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	2.3134	0.4036	1.5224 3.1045	5.73	<.0001
yrspli	-0.3002	0.0964	-0.4893 -0.1112	-3.11	0.0019
baseins_c	-0.3889	0.1828	-0.7471 -0.0306	-2.13	0.0334
yrspli*baseins_c	0.0151	0.0446	-0.0723 0.1025	0.34	0.7342

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	2.1966	0.3053	1.5982	2.7949	7.19	<.0001
yrspli	-0.2683	0.0272	-0.3217	-0.2150	-9.86	<.0001
baseins_c	-0.3350	0.1328	-0.5952	-0.0748	-2.52	0.0116

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	2.3606	1.0322	0.3375	4.3838	2.29	0.0222
yrspli	-0.3254	0.2115	-0.7398	0.0891	-1.54	0.1239
baseins_c	-0.6000	0.4540	-1.4898	0.2897	-1.32	0.1862
yrspli*baseins_c	0.0420	0.0930	-0.1402	0.2242	0.45	0.6515

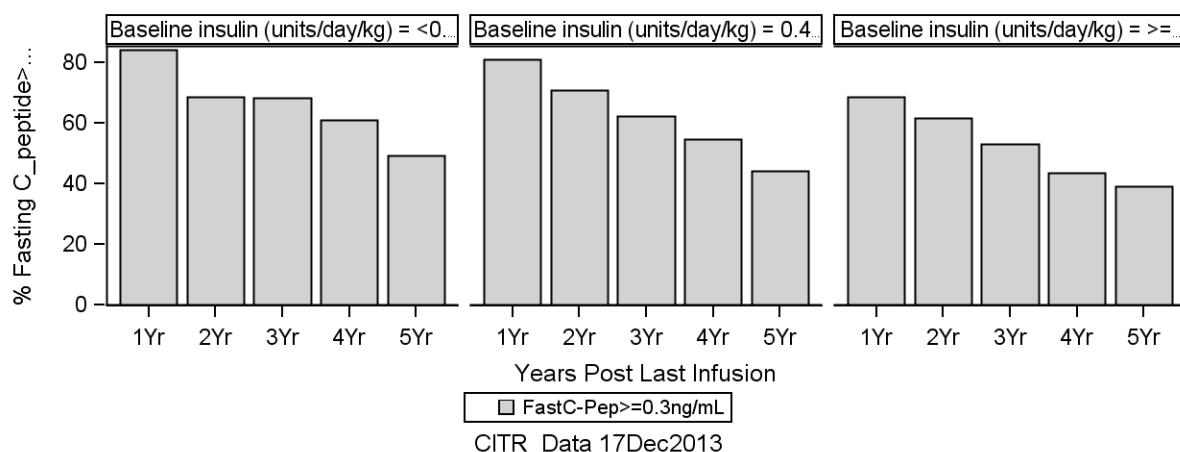
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.9740	0.4720	1.0488	2.8992	4.18	<.0001
yrspli	-0.2393	0.0657	-0.3680	-0.1106	-3.64	0.0003
baseins_c	-0.4124	0.1653	-0.7363	-0.0884	-2.49	0.0126

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Baseline insulin (units/day/kg)	FastC-Pep>=0.3ng/mL					
<0.42 u/day/kg	<0.3		19	33	29	30
	>=0.3		101	72	62	47
0.42-<0.66	<0.3		48	66	74	77
	>=0.3		205	161	122	93
>=0.66	<0.3		37	41	46	47
	>=0.3		81	66	52	36
Total	FastC-Pep>=0.3ng/mL					
	<0.3		104	140	149	154
	>=0.3		387	299	236	176
						130

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	2.2791	0.3842	1.5260 3.0321	5.93	<.0001	
yrspli	-0.3266	0.0866	-0.4964 -0.1569	-3.77	0.0002	
baseinsperkg_c	-0.3952	0.1742	-0.7366 -0.0539	-2.27	0.0233	
yrspli*baseinsperkg_c	0.0276	0.0400	-0.0507 0.1060	0.69	0.4895	

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	2.0612	0.2897	1.4934 2.6289	7.12	<.0001	
yrspli	-0.2695	0.0274	-0.3232 -0.2159	-9.85	<.0001	
baseinsperkg_c	-0.2924	0.1282	-0.5437 -0.0412	-2.28	0.0226	

Testing at 4-5 yr

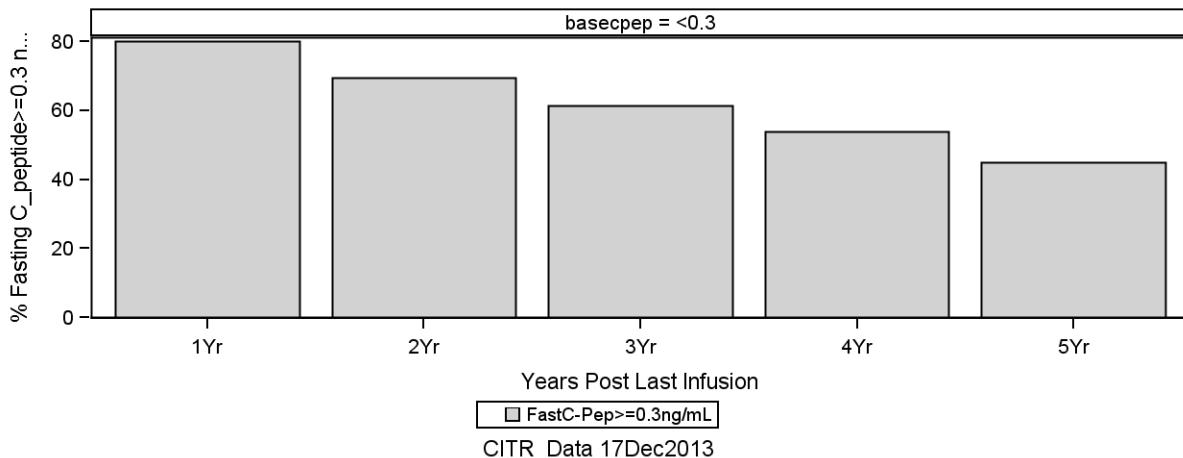
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	2.6372	0.9807	0.7149	4.5594	2.69	0.0072
yrspli	-0.4477	0.2042	-0.8479	-0.0475	-2.19	0.0284
baseinsperkg_c	-0.7559	0.4098	-1.5592	0.0473	-1.84	0.0651
yrspli*baseinsperkg_c	0.1017	0.0841	-0.0632	0.2666	1.21	0.2267

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.7180	0.4463	0.8433	2.5927	3.85	0.0001
yrspli	-0.2426	0.0661	-0.3722	-0.1131	-3.67	0.0002
baseinsperkg_c	-0.3014	0.1548	-0.6049	0.0020	-1.95	0.0516

Fasting C_peptide>=0.3 ng/mL



Years Post Last Infusion						
		1	2	3	4	5
	n	n	n	n	n	n
basecpep	FastC-Pep >= 0.3ng/mL					
<0.3	<0.3	112	144	152	153	162
	>=0.3	449	328	240	179	132
Total	FastC-Pep >= 0.3ng/mL					
	<0.3	112	144	152	153	162
	>=0.3	449	328	240	179	132

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.5340	0.1136	1.3112	1.7567	13.50	<.0001
yrspli	-0.2708	0.0271	-0.3240	-0.2177	-9.98	<.0001
basecpep_c	0.0000	0.0000	0.0000	0.0000	.	.
yrspli*basecpep_c	0.0000	0.0000	0.0000	0.0000	.	.

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.5340	0.1136	1.3112	1.7567	13.50	<.0001
yrspli	-0.2708	0.0271	-0.3240	-0.2177	-9.98	<.0001
basecpep_c	0.0000	0.0000	0.0000	0.0000	.	.

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1214	0.3118	0.5104	1.7325	3.60	0.0003
yrspli	-0.2398	0.0656	-0.3683	-0.1113	-3.66	0.0003
basecpep_c	0.0000	0.0000	0.0000	0.0000	.	.
yrspli*basecpep_c	0.0000	0.0000	0.0000	0.0000	.	.

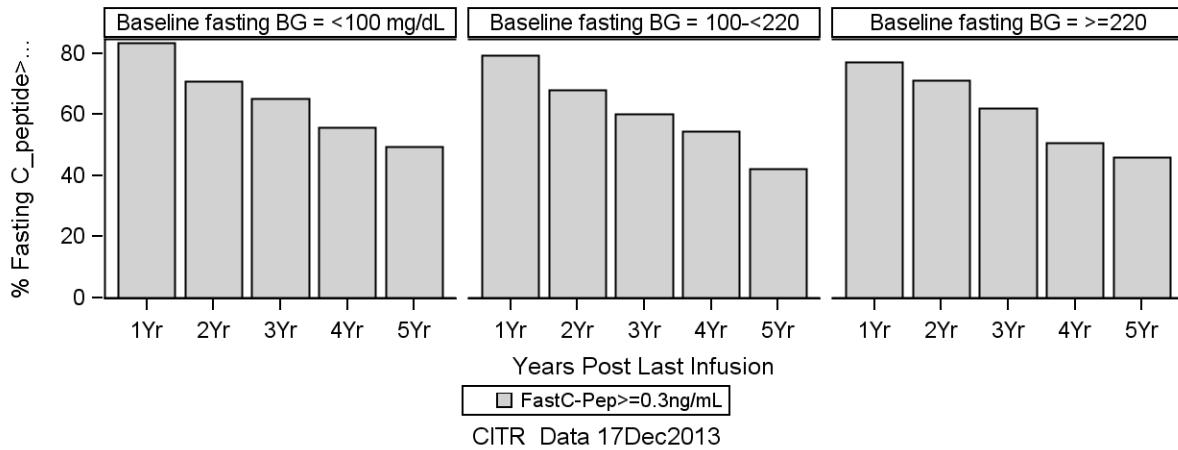
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1214	0.3118	0.5104	1.7325	3.60	0.0003
yrspli	-0.2398	0.0656	-0.3683	-0.1113	-3.66	0.0003
basecpep_c	0.0000	0.0000	0.0000	0.0000	.	.

Fasting C_peptide>=0.3 ng/mL



Baseline fasting BG	FastC-Pep>=0.3ng/mL	Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<100 mg/dL	<0.3	20	31	31	32	34
<100 mg/dL	≥0.3	100	75	58	40	33
100-220	<0.3	56	71	74	72	78
100-220	≥0.3	213	150	111	86	57
≥220	<0.3	30	32	35	39	39
≥220	≥0.3	101	78	57	40	33
Total	FastC-Pep>=0.3ng/mL					
	<0.3	106	134	140	143	151
	≥0.3	414	303	226	166	123

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.6919	0.3691	0.9685	2.4152	4.58	<.0001
<i>yrspli</i>	-0.2935	0.0903	-0.4705	-0.1166	-3.25	0.0012
<i>basegluc_c</i>	-0.0789	0.1733	-0.4185	0.2607	-0.46	0.6488
<i>yrspli*basegluc_c</i>	0.0109	0.0421	-0.0717	0.0935	0.26	0.7957

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.6096	0.2761	1.0685	2.1507	5.83	<.0001
<i>yrspli</i>	-0.2713	0.0281	-0.3265	-0.2162	-9.65	<.0001
<i>basegluc_c</i>	-0.0384	0.1240	-0.2816	0.2047	-0.31	0.7566

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.6540	0.9417	-0.1917	3.4996	1.76	0.0790
<i>yrspli</i>	-0.3175	0.1954	-0.7004	0.0655	-1.62	0.1042
<i>basegluc_c</i>	-0.2659	0.4212	-1.0915	0.5596	-0.63	0.5278
<i>yrspli*basegluc_c</i>	0.0382	0.0870	-0.1323	0.2086	0.44	0.6609

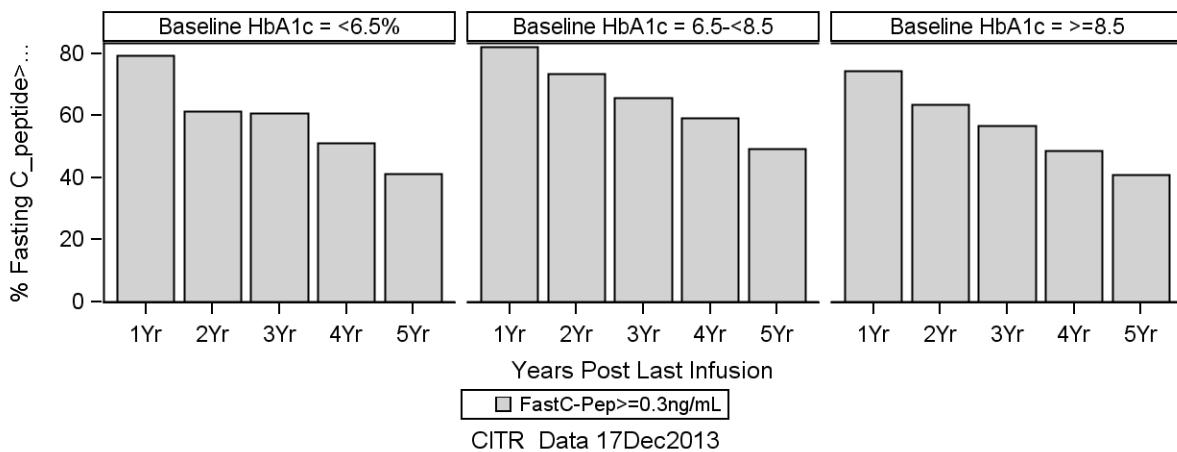
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.3093	0.4591	0.4096	2.2091	2.85	0.0043
<i>yrspli</i>	-0.2405	0.0690	-0.3757	-0.1054	-3.49	0.0005
<i>basegluc_c</i>	-0.0953	0.1578	-0.4045	0.2140	-0.60	0.5461

Fasting C_peptide>=0.3 ng/mL



Baseline HbA1c	FastC-Pep >= 0.3ng/mL	Years Post Last Infusion				
		1	2	3	4	5
n	n	n	n	n	n	
<6.5%	<0.3	14	24	22	25	27
	>=0.3	53	38	34	26	19
6.5-<8.5	<0.3	51	66	74	75	83
	>=0.3	233	183	141	108	80
>=8.5	<0.3	41	50	52	51	52
	>=0.3	118	87	68	48	36
<i>Total</i>		FastC-Pep >= 0.3ng/mL				
		106	140	148	151	162
		404	308	243	182	135

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.8743	0.4448	1.0025 2.7461	4.21	<.0001
yrspli	-0.2948	0.0983	-0.4874 -0.1022	-3.00	0.0027
basehba1c_c	-0.1747	0.1956	-0.5581 0.2088	-0.89	0.3720
yrspli*basehba1c_c	0.0144	0.0446	-0.0730 0.1019	0.32	0.7467

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.7564	0.3347	1.1003	2.4124	5.25	<.0001
yrspli	-0.2636	0.0270	-0.3165	-0.2107	-9.77	<.0001
basehba1c_c	-0.1211	0.1407	-0.3969	0.1547	-0.86	0.3895

Testing at 4-5 yr

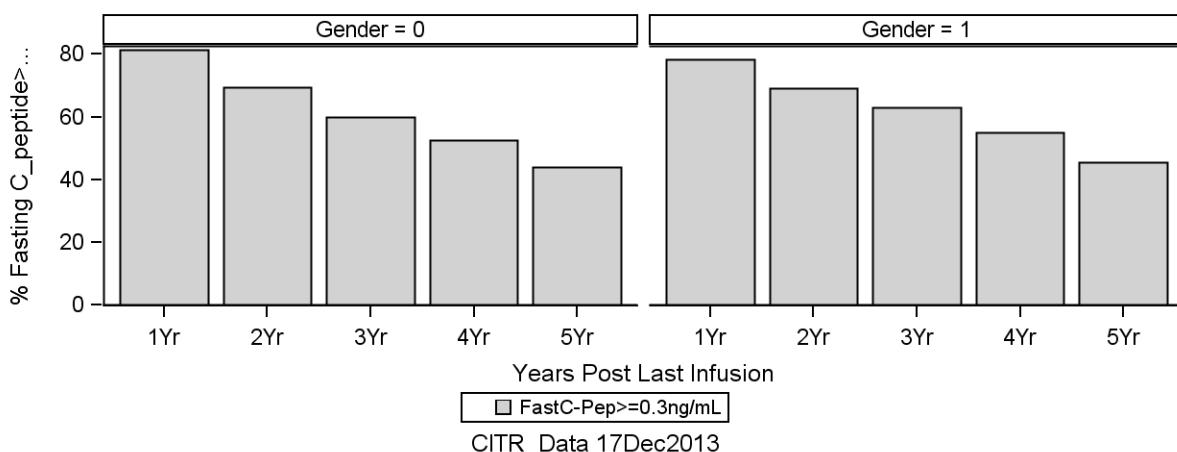
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	2.0241	1.0289	0.0074	4.0408	1.97	0.0492
yrspli	-0.3866	0.2111	-0.8004	0.0272	-1.83	0.0671
basehba1c_c	-0.4101	0.4610	-1.3136	0.4934	-0.89	0.3736
yrspli*basehba1c_c	0.0692	0.0950	-0.1169	0.2554	0.73	0.4660

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.3610	0.4684	0.4430	2.2790	2.91	0.0037
yrspli	-0.2385	0.0650	-0.3660	-0.1110	-3.67	0.0002
basehba1c_c	-0.1006	0.1622	-0.4185	0.2173	-0.62	0.5351

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>Gender</i> <i>FastC-Pep>=0.3ng/mL</i>						
0	<0.3	67	89	94	96	102
	≥0.3	292	201	141	106	80
1	<0.3	51	63	64	63	66
	≥0.3	183	140	108	77	55
<i>Total</i> <i>FastC-Pep>=0.3ng/mL</i>						
	<0.3	118	152	158	159	168
	≥0.3	475	341	249	183	135

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.5887	0.1423	1.3098 1.8677	11.16	<.0001
yrspli	-0.2927	0.0345	-0.3603 -0.2251	-8.49	<.0001
gender_	-0.1141	0.2265	-0.5581 0.3299	-0.50	0.6146
yrspli*gender_	0.0601	0.0543	-0.0464 0.1666	1.11	0.2684

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.5034	0.1272	1.2541 1.7527	11.82	<.0001
yrspli	-0.2684	0.0268	-0.3208 -0.2159	-10.03	<.0001
gender_	0.1102	0.1707	-0.2244 0.4448	0.65	0.5187

Testing at 4-5 yr

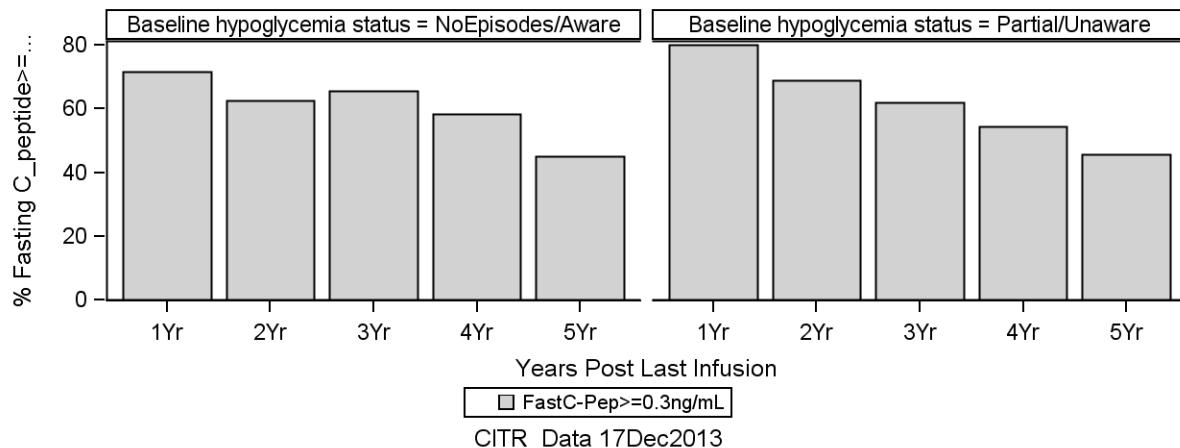
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	0.9856	0.4000	0.2016 1.7696	2.46	0.0137	
yrspli	-0.2194	0.0842	-0.3843 -0.0544	-2.61	0.0091	
gender_	0.2271	0.6120	-0.9725 1.4266	0.37	0.7106	
yrspli*gender_	-0.0336	0.1283	-0.2851 0.2179	-0.26	0.7933	

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.0466	0.3153	0.4287 1.6646	3.32	0.0009	
yrspli	-0.2331	0.0636	-0.3579 -0.1084	-3.66	0.0002	
gender_	0.0774	0.2121	-0.3382 0.4931	0.37	0.7151	

Fasting C_peptide>=0.3 ng/mL



Baseline hypoglycemia status	FastC-Pep>=0.3ng/mL	Years Post Last Infusion				
		1	2	3	4	5
n	n	n	n	n	n	n
NoEpisodes/Aware	<0.3	10	12	10	10	11
NoEpisodes/Aware	≥0.3	25	20	19	14	9
Partial/Unaware	<0.3	88	122	132	136	146
Partial/Unaware	≥0.3	352	270	213	161	122

		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Total	FastC-Pep>=0.3ng/mL					
<0.3		98	134	142	146	157
≥0.3		377	290	232	175	131

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	0.9390	0.3888	0.1770 1.7009	2.42	0.0157
yrspli	-0.0745	0.0565	-0.1853 0.0363	-1.32	0.1876
basehypostat_	0.5790	0.4082	-0.2211 1.3791	1.42	0.1561
yrspli*basehypostat_	-0.2096	0.0634	-0.3339 -0.0854	-3.31	0.0009

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.8027	0.3548	1.1073 2.4980	5.08	<.0001
yrspli	-0.2678	0.0273	-0.3213 -0.2143	-9.81	<.0001
basehypostat_	-0.3438	0.3420	-1.0141 0.3265	-1.01	0.3148

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.3320	0.9793	-0.5874 3.2513	1.36	0.1738
yrspli	-0.2489	0.1968	-0.6346 0.1369	-1.26	0.2061
basehypostat_	-0.1852	1.0350	-2.2137 1.8433	-0.18	0.8580
yrspli*basehypostat_	0.0059	0.2091	-0.4039 0.4156	0.03	0.9776

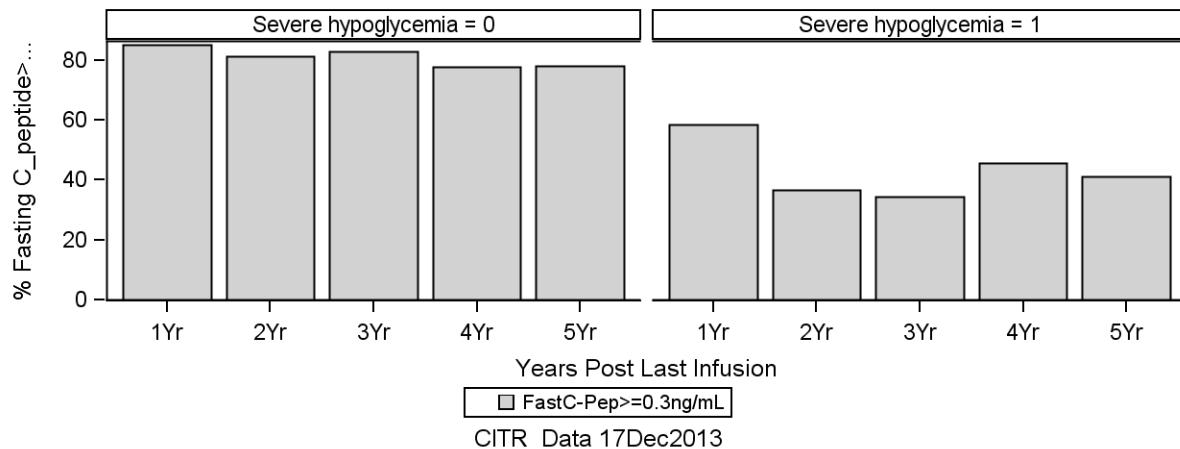
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.3084	0.5015	0.3255	2.2912	2.61	0.0091
yrspli	-0.2436	0.0670	-0.3750	-0.1123	-3.64	0.0003
basehypostat_	-0.1589	0.4156	-0.9735	0.6558	-0.38	0.7023

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Severe hypoglycemia	FastC-Pep>=0.3ng/mL					
0	<0.3	62	59	41	38	25
	>=0.3	353	256	199	133	88
1	<0.3	10	19	19	12	10
	>=0.3	14	11	10	10	7
Total	FastC-Pep>=0.3ng/mL					
	<0.3	72	78	60	50	35
	>=0.3	367	267	209	143	95

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.8695	0.1408	1.5935	2.1455	13.28	<.0001
yrspli	-0.2436	0.0370	-0.3161	-0.1710	-6.58	<.0001
hyposev_	-0.9549	0.4326	-1.8028	-0.1070	-2.21	0.0273
yrspli*hyposev_	0.0095	0.1346	-0.2543	0.2733	0.07	0.9437

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.8662	0.1379	1.5959	2.1366	13.53	<.0001
yrspli	-0.2425	0.0358	-0.3126	-0.1723	-6.78	<.0001
hyposev_	-0.9276	0.2210	-1.3608	-0.4943	-4.20	<.0001

Testing at 4-5 yr

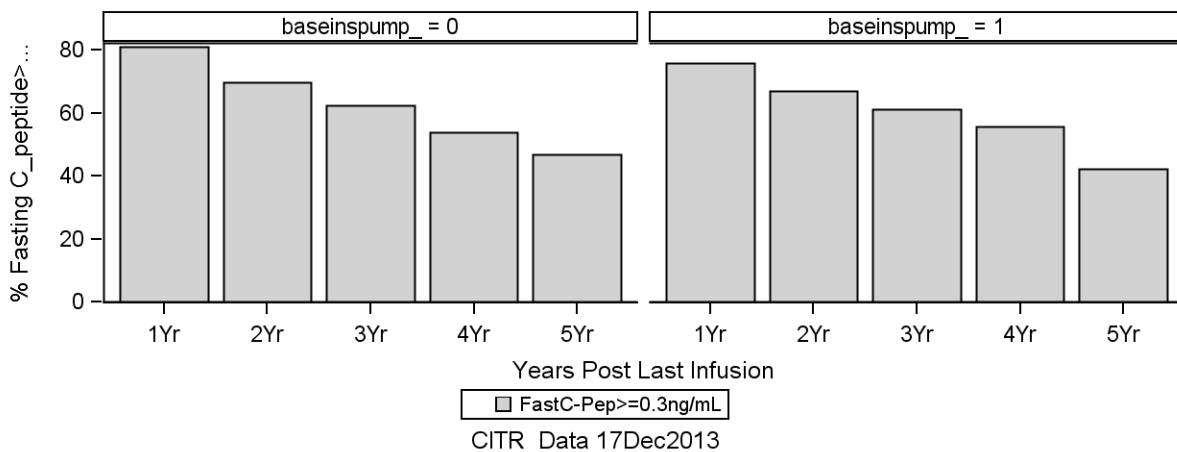
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	2.1825	0.7556	0.7016	3.6633	2.89	0.0039
yrspli	-0.2454	0.1669	-0.5725	0.0816	-1.47	0.1413
hyposev_	0.2002	2.1551	-4.0236	4.4240	0.09	0.9260
yrspli*hyposev_	-0.3067	0.4747	-1.2372	0.6238	-0.65	0.5183

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	2.3902	0.7118	0.9952	3.7853	3.36	0.0008
yrspli	-0.2918	0.1566	-0.5988	0.0152	-1.86	0.0625
hyposev_	-1.1679	0.3889	-1.9302	-0.4057	-3.00	0.0027

Fasting C_peptide>=0.3 ng/mL



CITR Data 17Dec2013

		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>baseinspump_ FastC-Pep>=0.3ng/mL</i>						
0	<0.3	60	85	95	99	102
	≥0.3	256	196	157	116	90
1	<0.3	45	54	53	52	60
	≥0.3	140	109	83	65	44
<i>Total FastC-Pep>=0.3ng/mL</i>						
	<0.3	105	139	148	151	162
	≥0.3	396	305	240	181	134

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.5729	0.1475	1.2838	1.8619	10.67	<.0001
yrspli	-0.2837	0.0346	-0.3515	-0.2158	-8.20	<.0001
baseinspump_	-0.2459	0.2422	-0.7205	0.2288	-1.02	0.3100
yrspli*baseinspump_	0.0582	0.0545	-0.0486	0.1651	1.07	0.2856

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.4944	0.1316	1.2365 1.7522	11.36	<.0001	
yrspli	-0.2626	0.0269	-0.3153 -0.2098	-9.76	<.0001	
baseinspump_	-0.0334	0.1814	-0.3889 0.3222	-0.18	0.8541	

Testing at 4-5 yr

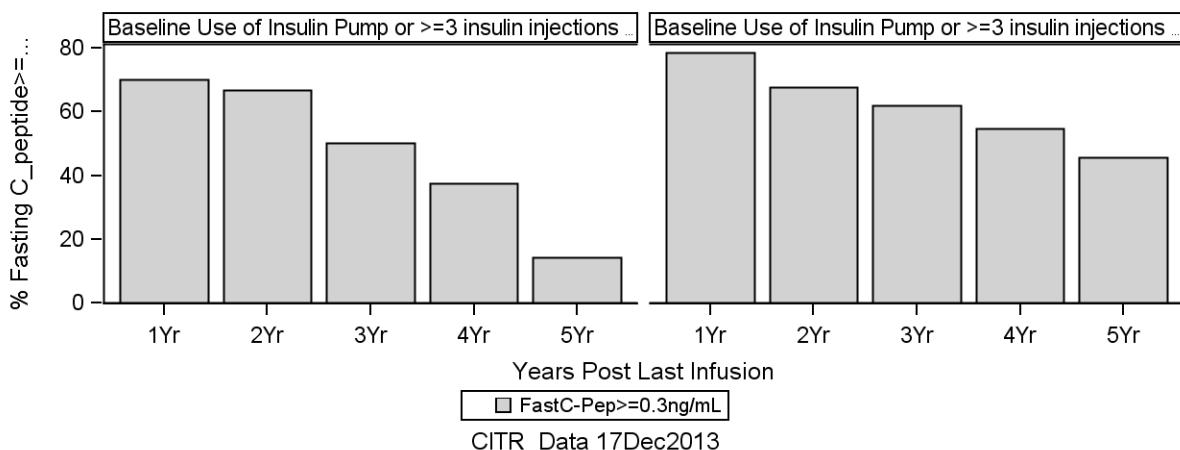
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	0.8306	0.3595	0.1260 1.5352	2.31	0.0209	
yrspli	-0.1660	0.0747	-0.3124 -0.0197	-2.22	0.0262	
baseinspump_	0.8852	0.6831	-0.4538 2.2241	1.30	0.1951	
yrspli*baseinspump_	-0.2071	0.1442	-0.4897 0.0755	-1.44	0.1509	

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.1575	0.3211	0.5281 1.7868	3.60	0.0003	
yrspli	-0.2393	0.0652	-0.3670 -0.1115	-3.67	0.0002	
baseinspump_	-0.0386	0.2198	-0.4694 0.3922	-0.18	0.8606	

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>Baseline Use of Insulin Pump or >=3 insulin injections per day</i>		<i>FastC-Pep>=0.3ng/mL</i>				
0		<0.3		3	3	4
		>=0.3		7	6	4
1		<0.3		98	130	135
		>=0.3		358	272	219
<i>Total</i>		<i>FastC-Pep>=0.3ng/mL</i>				
		<0.3		101	133	139
		>=0.3		365	278	223
				169	125	

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.6340	1.0238	-0.3726 3.6406	1.60	0.1105
yrspli	-0.4628	0.2356	-0.9245 -0.0011	-1.96	0.0495
baseintth_	-0.1972	1.0309	-2.2178 1.8234	-0.19	0.8483
yrspli*baseintth_	0.2060	0.2372	-0.2588 0.6709	0.87	0.3850

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	0.9534	0.5412	-0.1074 2.0141	1.76	0.0781
yrspli	-0.2620	0.0276	-0.3161 -0.2078	-9.48	<.0001
baseintth_	0.5022	0.5402	-0.5565 1.5609	0.93	0.3525

Testing at 4-5 yr

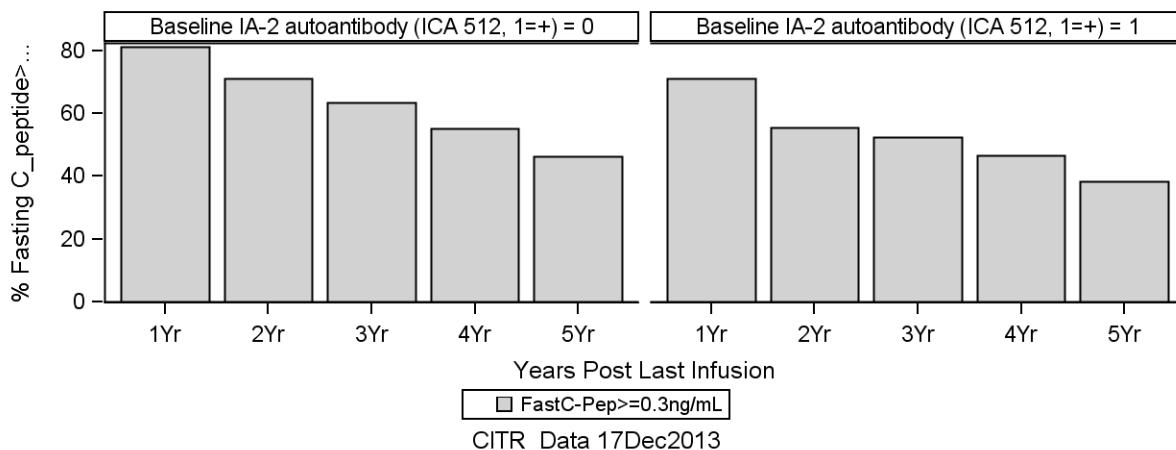
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	2.8490	2.8945	-2.8242 8.5222	0.98	0.3250	
yrspli	-0.8399	0.6519	-2.1177 0.4378	-1.29	0.1976	
baseintth_	-1.6857	2.9133	-7.3957 4.0243	-0.58	0.5628	
yrspli*baseintth_	0.5967	0.6556	-0.6882 1.8817	0.91	0.3627	

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	0.3556	0.7697	-1.1531 1.8643	0.46	0.6441	
yrspli	-0.2546	0.0693	-0.3904 -0.1187	-3.67	0.0002	
baseintth_	0.8583	0.7042	-0.5219 2.2384	1.22	0.2229	

Fasting C_peptide>=0.3 ng/mL



Years Post Last Infusion						
	1	2	3	4	5	
	n	n	n	n	n	
Baseline IA-2 autoantibody (ICA 512, 1=+)						
0	<0.3	84	114	124	127	134
	>=0.3	363	280	216	157	115
1	<0.3	24	32	30	31	34
	>=0.3	59	40	33	27	21

	Years Post Last Infusion				
	1	2	3	4	5
	n	n	n	n	n
Total	<i>FastC-Pep>=0.3ng/mL</i>				
<0.3	108	146	154	158	168
>=0.3	422	320	249	184	136

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.6014	0.1286	1.3494 1.8534	12.46	<.0001
yrspli	-0.2765	0.0303	-0.3360 -0.2170	-9.11	<.0001
base2ia_	-0.5093	0.2882	-1.0741 0.0555	-1.77	0.0772
yrspli*base2ia_	0.0447	0.0625	-0.0778 0.1672	0.72	0.4743

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.5702	0.1200	1.3349 1.8055	13.08	<.0001
yrspli	-0.2682	0.0267	-0.3205 -0.2159	-10.06	<.0001
base2ia_	-0.3613	0.2241	-0.8006 0.0780	-1.61	0.1070

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.0801	0.3371	0.4195 1.7408	3.20	0.0014
yrspli	-0.2170	0.0708	-0.3558 -0.0783	-3.07	0.0022
base2ia_	0.0553	0.7705	-1.4549 1.5655	0.07	0.9428
yrspli*base2ia_	-0.0923	0.1616	-0.4090 0.2244	-0.57	0.5680

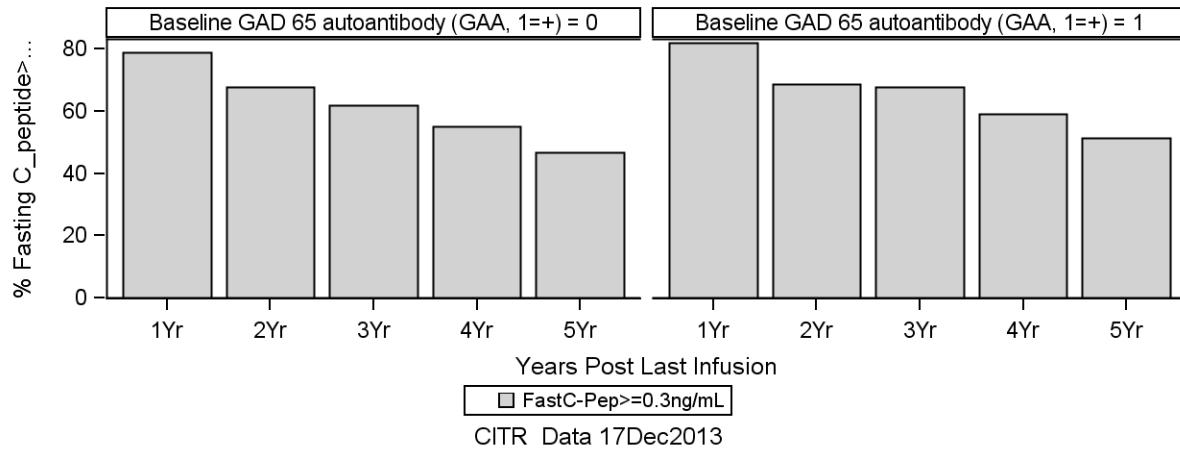
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1526	0.3077	0.5495	1.7557	3.75	0.0002
yrspli	-0.2333	0.0637	-0.3582	-0.1084	-3.66	0.0003
base2ia_	-0.3537	0.2782	-0.8989	0.1914	-1.27	0.2035

Fasting C_peptide>=0.3 ng/mL



CITR Data 17Dec2013

		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>Baseline GAD 65 autoantibody (GAA, 1=+)</i>	<i>FastC-Pep>=0.3ng/mL</i>					
0	<0.3	49	68	74	74	79
	≥0.3	181	142	120	91	69
1	<0.3	23	35	32	36	38
	≥0.3	104	76	67	52	40
<i>Total</i>	<i>FastC-Pep>=0.3ng/mL</i>					
	<0.3	72	103	106	110	117
	≥0.3	285	218	187	143	109

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.4195	0.1659	1.0944	1.7447	8.56	<.0001
yrspli	-0.2439	0.0372	-0.3168	-0.1710	-6.55	<.0001
basegad_	0.2422	0.2919	-0.3300	0.8144	0.83	0.4067
yrspli*basegad_	-0.0498	0.0655	-0.1781	0.0785	-0.76	0.4469

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.4812	0.1579	1.1716	1.7907	9.38	<.0001
yrspli	-0.2603	0.0307	-0.3204	-0.2002	-8.49	<.0001
basegad_	0.0602	0.2165	-0.3642	0.4845	0.28	0.7811

Testing at 4-5 yr

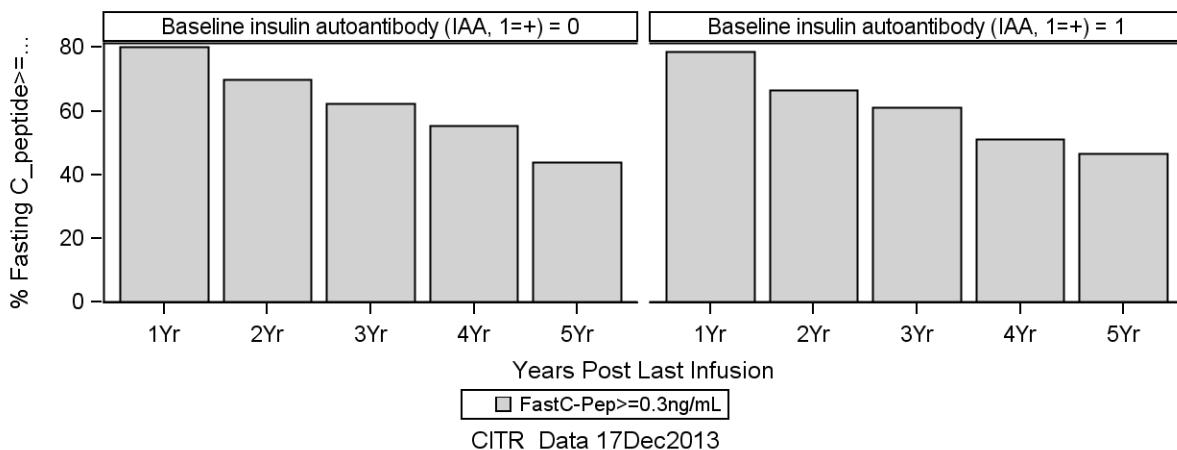
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.0487	0.3890	0.2863	1.8111	2.70	0.0070
yrspli	-0.2105	0.0797	-0.3667	-0.0542	-2.64	0.0083
basegad_	0.4178	0.8226	-1.1944	2.0301	0.51	0.6115
yrspli*basegad_	-0.0595	0.1742	-0.4010	0.2819	-0.34	0.7325

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1402	0.3672	0.4204	1.8600	3.10	0.0019
yrspli	-0.2310	0.0744	-0.3769	-0.0851	-3.10	0.0019
basegad_	0.1508	0.2531	-0.3453	0.6468	0.60	0.5515

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>Baseline insulin autoantibody (IAA, 1=+)</i>						
0	<0.3	72	94	98	98	108
	≥0.3	290	217	161	121	84
1	<0.3	36	52	56	60	60
	≥0.3	132	103	88	63	52
<i>Total</i>		<i>FastC-Pep>=0.3ng/mL</i>				
	<0.3	108	146	154	158	168
	≥0.3	422	320	249	184	136

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.5642	0.1413	1.2872 1.8411	11.07	<.0001
yrspli	-0.2767	0.0331	-0.3416 -0.2118	-8.35	<.0001
baseabins_	-0.1706	0.2428	-0.6464 0.3053	-0.70	0.4823
yrspli*baseabins_	0.0280	0.0556	-0.0810 0.1370	0.50	0.6145

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.5272	0.1292	1.2740	1.7803	11.82	<.0001
yrspli	-0.2665	0.0267	-0.3187	-0.2142	-10.00	<.0001
baseabins_	-0.0650	0.1826	-0.4228	0.2929	-0.36	0.7220

Testing at 4-5 yr

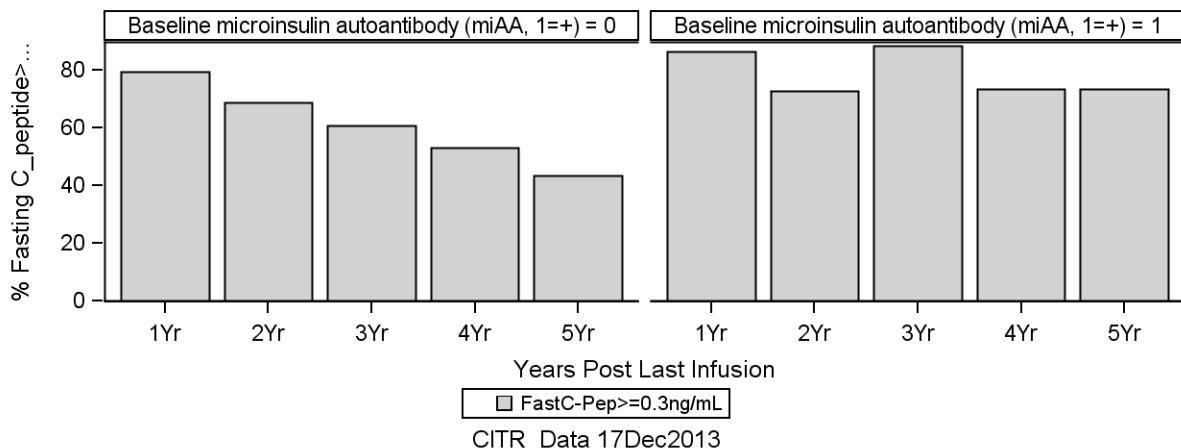
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.4858	0.3639	0.7726	2.1990	4.08	<.0001
yrspli	-0.3167	0.0755	-0.4647	-0.1686	-4.19	<.0001
baseabins_	-1.0839	0.6433	-2.3448	0.1769	-1.68	0.0920
yrspli*baseabins_	0.2284	0.1354	-0.0370	0.4938	1.69	0.0916

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1119	0.3125	0.4994	1.7244	3.56	0.0004
yrspli	-0.2328	0.0635	-0.3572	-0.1084	-3.67	0.0002
baseabins_	-0.0659	0.2165	-0.4903	0.3585	-0.30	0.7610

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>Baseline microinsulin autoantibody (miAA, 1=+)</i>	<i>FastC-Pep>=0.3ng/mL</i>					
0	<0.3	104	140	152	154	164
	>=0.3	397	304	234	173	125
1	<0.3	4	6	2	4	4
	>=0.3	25	16	15	11	11
<i>Total</i>	<i>FastC-Pep>=0.3ng/mL</i>					
	<0.3	108	146	154	158	168
	>=0.3	422	320	249	184	136

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
			Lower	Upper		
Intercept	1.4883	0.1175	1.2581	1.7186	12.67	<.0001
yrspli	-0.2708	0.0274	-0.3244	-0.2172	-9.90	<.0001
basemic_	0.4429	0.5905	-0.7144	1.6002	0.75	0.4532
yrspli*basemic_	0.0752	0.1253	-0.1705	0.3208	0.60	0.5486

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
			Lower	Upper		
Intercept	1.4796	0.1160	1.2522	1.7070	12.75	<.0001
yrspli	-0.2684	0.0268	-0.3209	-0.2159	-10.02	<.0001
basemic_	0.7581	0.4703	-0.1636	1.6798	1.61	0.1070

Testing at 4-5 yr

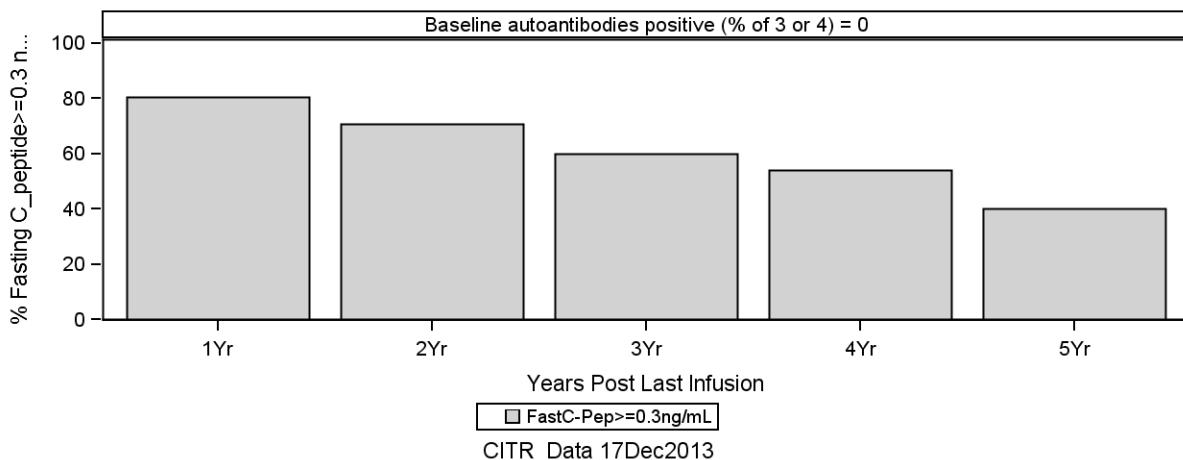
The GENMOD Procedure

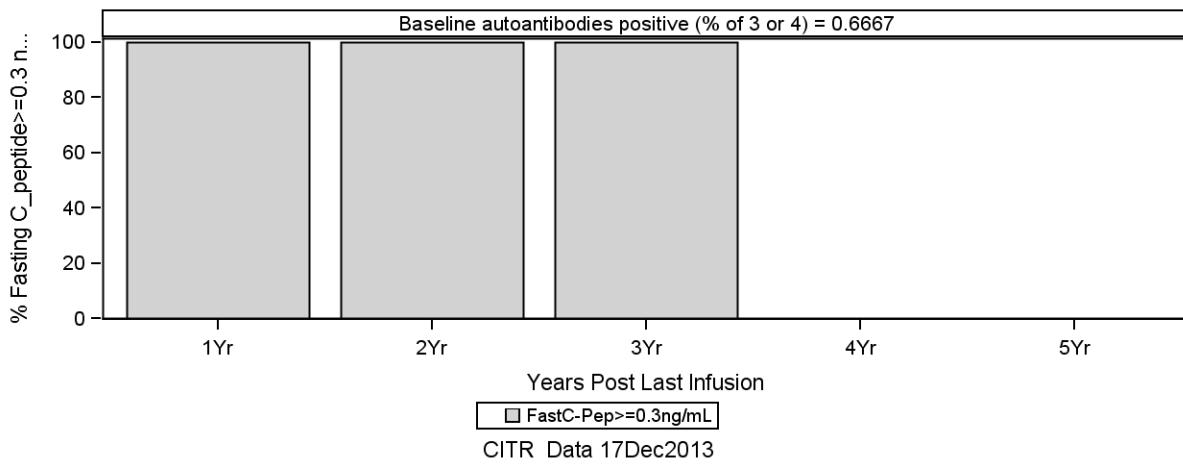
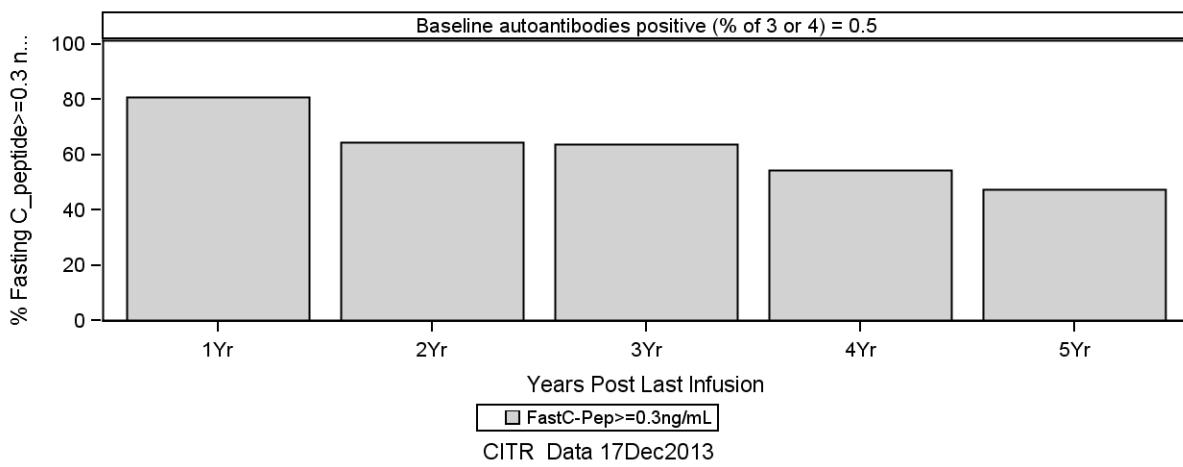
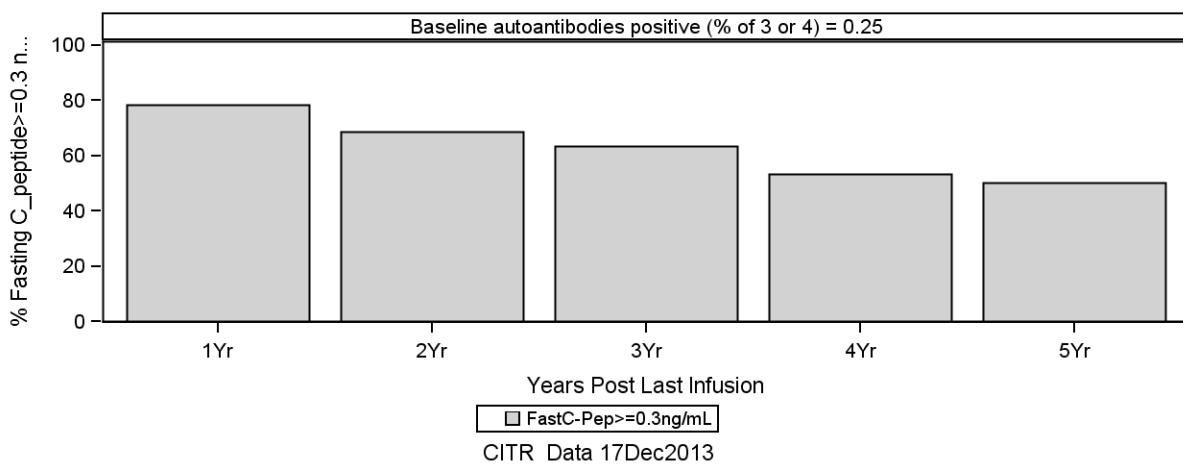
Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.0964	0.3154	0.4783	1.7145	3.48	0.0005
yrspli	-0.2450	0.0665	-0.3753	-0.1148	-3.69	0.0002
basemic_	-0.0096	0.6634	-1.3097	1.2906	-0.01	0.9885
yrspli*basemic_	0.2450	0.0691	0.1096	0.3804	3.55	0.0004

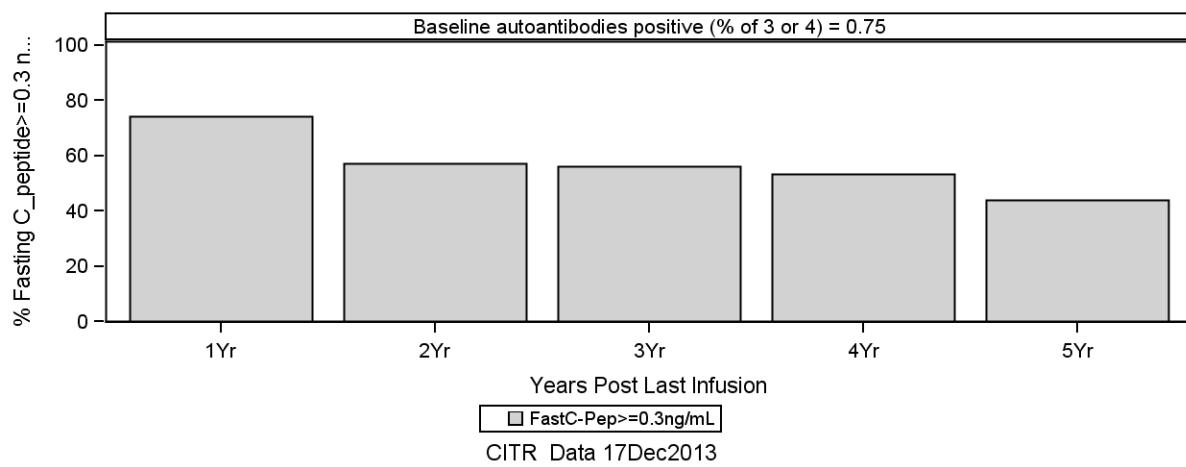
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.0577	0.3061	0.4577	1.6577	3.46	0.0006
yrspli	-0.2363	0.0643	-0.3623	-0.1104	-3.68	0.0002
basemic_	1.1356	0.5886	-0.0180	2.2893	1.93	0.0537

Fasting C_peptide>=0.3 ng/mL







		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>Baseline autoantibodies positive (% of 3 or 4)</i>						
0	<0.3	51	66	74	72	81
	≥0.3	210	160	111	84	54
0.25	<0.3	34	44	47	48	47
	≥0.3	124	97	82	55	47
0.5	<0.3	16	27	26	31	31
	≥0.3	67	49	46	37	28
0.6666666667	≥0.3	1	2	1	.	.
0.75	<0.3	7	9	7	7	9
	≥0.3	20	12	9	8	7
<i>Total</i>	<i>FastC-Pep>=0.3ng/mL</i>					
	<0.3	108	146	154	158	168
	≥0.3	422	320	249	184	136

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.5610	0.1546	1.2579 1.8640	10.10	<.0001
yrspli	-0.2782	0.0371	-0.3509 -0.2055	-7.50	<.0001
baseaapos	-0.2680	0.5120	-1.2714 0.7355	-0.52	0.6007
yrspli*baseaapos	0.0565	0.1179	-0.1747 0.2876	0.48	0.6320

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.5193	0.1353	1.2541	1.7846	11.23	<.0001
yrspli	-0.2665	0.0267	-0.3188	-0.2142	-9.99	<.0001
baseaapos	-0.0643	0.3821	-0.8132	0.6847	-0.17	0.8665

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.2561	0.4114	0.4497	2.0624	3.05	0.0023
yrspli	-0.2779	0.0861	-0.4468	-0.1091	-3.23	0.0013
baseaapos	-0.7848	1.4938	-3.7126	2.1430	-0.53	0.5993
yrspli*baseaapos	0.2119	0.3172	-0.4098	0.8337	0.67	0.5041

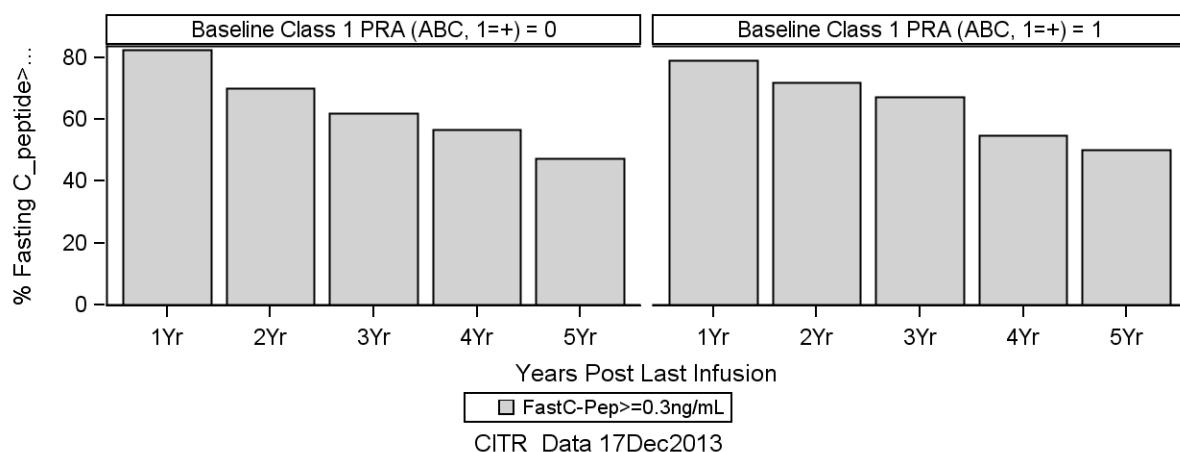
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.0572	0.3172	0.4355	1.6788	3.33	0.0009
yrspli	-0.2333	0.0635	-0.3577	-0.1089	-3.68	0.0002
baseaapos	0.1617	0.4579	-0.7358	1.0591	0.35	0.7240

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>Baseline Class 1 PRA (ABC, 1=+)</i>		<i>FastC-Pep>=0.3ng/mL</i>				
0	<0.3		54	83	92	93
	≥0.3		253	192	149	121
1	<0.3		13	16	17	19
	≥0.3		49	41	35	23
<i>Total</i>		<i>FastC-Pep>=0.3ng/mL</i>				
	<0.3		67	99	109	112
	≥0.3		302	233	184	144
						110

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.6014	0.1495	1.3085 1.8944	10.72	<.0001
yrspli	-0.2804	0.0339	-0.3468 -0.2139	-8.27	<.0001
baseabc1_	-0.0399	0.3811	-0.7869 0.7071	-0.10	0.9166
yrspli*baseabc1_	-0.0044	0.0873	-0.1755 0.1667	-0.05	0.9600

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.6042	0.1456	1.3188 1.8896	11.02	<.0001
yrspli	-0.2811	0.0313	-0.3424 -0.2197	-8.98	<.0001
baseabc1_	-0.0566	0.2828	-0.6108 0.4976	-0.20	0.8414

Testing at 4-5 yr

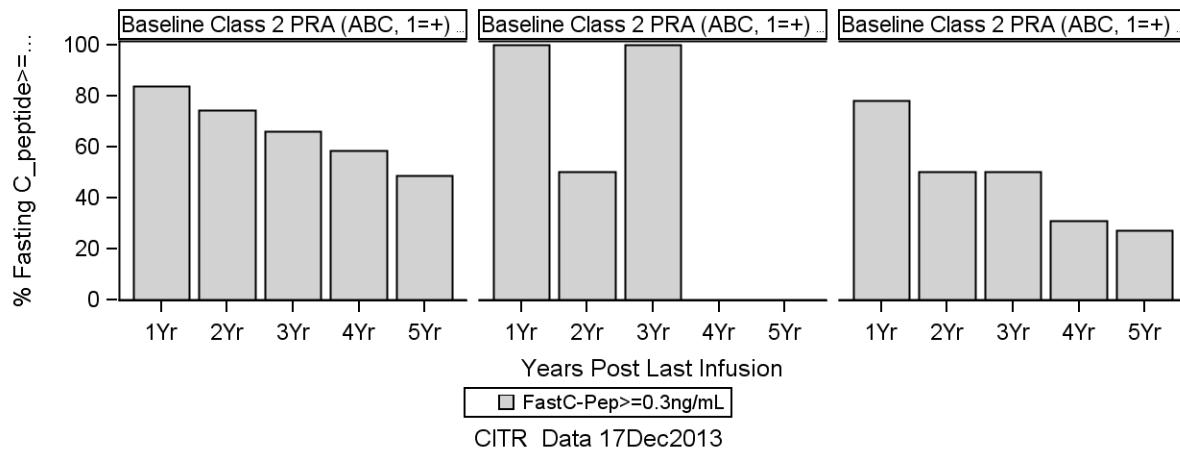
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1085	0.3617	0.3995	1.8174	3.06	0.0022
yrspli	-0.2093	0.0747	-0.3556	-0.0630	-2.80	0.0051
baseabc1_	-0.4555	0.9383	-2.2946	1.3835	-0.49	0.6273
yrspli*baseabc1_	0.0938	0.1965	-0.2913	0.4790	0.48	0.6330

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.0402	0.3385	0.3767	1.7038	3.07	0.0021
yrspli	-0.1941	0.0692	-0.3298	-0.0585	-2.80	0.0050
baseabc1_	-0.0350	0.3262	-0.6744	0.6045	-0.11	0.9147

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Baseline Class 2 PRA (ABC, 1=+)	FastC-Pep>=0.3ng/mL					
0	<0.3	33	46	54	57	61
0	>=0.3	170	134	105	80	58
0.5	<0.3	.	1	.	.	.
0.5	>=0.3	2	1	1	.	.

		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
1	<0.3		5	9	8	9
	≥0.3		18	9	8	4
<i>Total</i>		<i>FastC-Pep</i> ≥ 0.3 ng/mL				
		<0.3	38	56	62	66
		≥0.3	190	144	114	84
						61

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.8287	0.1995	1.4376 2.2197	9.17	<.0001
yrspli	-0.3137	0.0468	-0.4054 -0.2220	-6.71	<.0001
baseabc2_	-0.4942	0.5338	-1.5404 0.5519	-0.93	0.3545
yrspli*baseabc2_	-0.0970	0.1470	-0.3851 0.1911	-0.66	0.5093

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.8682	0.1974	1.4812 2.2551	9.46	<.0001
yrspli	-0.3232	0.0445	-0.4104 -0.2360	-7.27	<.0001
baseabc2_	-0.7387	0.3959	-1.5147 0.0374	-1.87	0.0621

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.0951	0.4378	0.2369 1.9532	2.50	0.0124
yrspli	-0.1859	0.0896	-0.3615 -0.0102	-2.07	0.0381
baseabc2_	-1.8561	0.7495	-3.3252 -0.3871	-2.48	0.0133
yrspli*baseabc2_	0.1734	0.0923	-0.0075 0.3543	1.88	0.0603

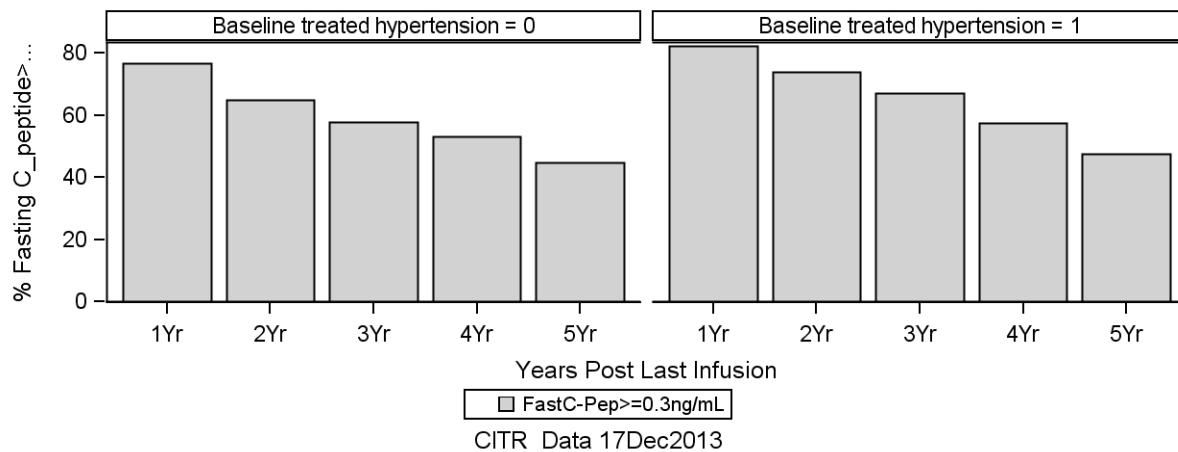
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
			Lower	Upper		
Intercept	1.0433	0.4107	0.2384	1.8482	2.54	0.0111
yrspli	-0.1745	0.0832	-0.3376	-0.0114	-2.10	0.0360
baseabc2_	-1.1190	0.6247	-2.3434	0.1053	-1.79	0.0732

Fasting C peptide \geq 0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>Baseline treated hypertension</i>	<i>FastC-Pep</i> >= 0.3 ng/mL					
	<0.3	65	87	92	93	102
<i>1</i>	>=0.3	213	161	126	105	83
	<0.3	35	47	53	55	56
<i>Total</i>	<i>FastC-Pep</i> >= 0.3 ng/mL					
	<0.3	100	134	145	148	158
	>=0.3	376	295	234	179	134

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates
Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
<i>Intercept</i>	1.3073	0.1490	1.0153	1.5993	8.77	<.0001
<i>yrspli</i>	-0.2604	0.0342	-0.3274	-0.1934	-7.62	<.0001
<i>baseHPTtx_</i>	0.4204	0.2496	-0.0688	0.9096	1.68	0.0921
<i>yrspli*baseHPTtx_</i>	-0.0151	0.0570	-0.1269	0.0967	-0.26	0.7914

The GENMOD Procedure

Analysis Of GEE Parameter Estimates
Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
<i>Intercept</i>	1.3264	0.1381	1.0558	1.5970	9.61	<.0001
<i>yrspli</i>	-0.2659	0.0273	-0.3195	-0.2123	-9.73	<.0001
<i>baseHPTtx_</i>	0.3637	0.1859	-0.0007	0.7282	1.96	0.0504

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates
Empirical Standard Error Estimates

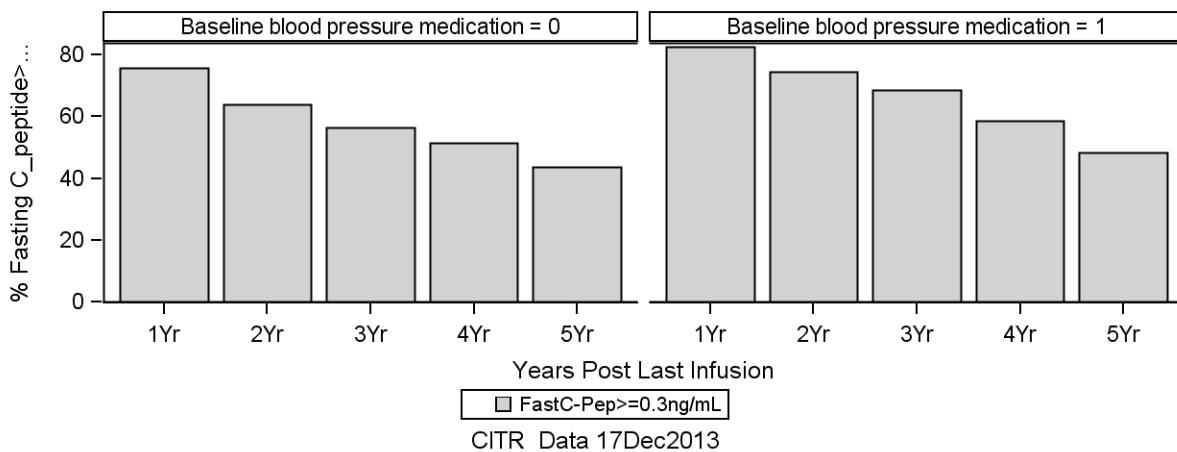
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
<i>Intercept</i>	1.1368	0.3941	0.3644	1.9092	2.88	0.0039
<i>yrspli</i>	-0.2515	0.0824	-0.4130	-0.0901	-3.05	0.0023
<i>baseHPTtx_</i>	-0.1091	0.6369	-1.3575	1.1393	-0.17	0.8640
<i>yrspli*baseHPTtx_</i>	0.0688	0.1337	-0.1931	0.3308	0.51	0.6067

The GENMOD Procedure

Analysis Of GEE Parameter Estimates
Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
<i>Intercept</i>	1.0241	0.3216	0.3937	1.6544	3.18	0.0015
<i>yrspli</i>	-0.2263	0.0649	-0.3536	-0.0991	-3.49	0.0005
<i>baseHPTtx_</i>	0.1979	0.2188	-0.2310	0.6267	0.90	0.3658

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>Baseline blood pressure medication</i>	<i>FastC-Pep>=0.3ng/mL</i>					
0	<0.3	66	88	95	95	103
	≥0.3	207	155	123	101	80
1	<0.3	37	49	53	56	58
	≥0.3	175	143	115	79	54
<i>Total</i>	<i>FastC-Pep>=0.3ng/mL</i>					
	<0.3	103	137	148	151	161
	≥0.3	382	298	238	180	134

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.2621	0.1494	0.9694 1.5548	8.45	<.0001
yrspli	-0.2587	0.0339	-0.3251 -0.1924	-7.64	<.0001
basebpmed_	0.4889	0.2457	0.0074 0.9704	1.99	0.0466
yrspli*basebpmed_	-0.0110	0.0565	-0.1218 0.0997	-0.20	0.8452

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.2761	0.1383	1.0050	1.5473	9.23	<.0001
yrspli	-0.2629	0.0271	-0.3159	-0.2098	-9.70	<.0001
basebpmed_	0.4473	0.1838	0.0872	0.8075	2.43	0.0149

Testing at 4-5 yr

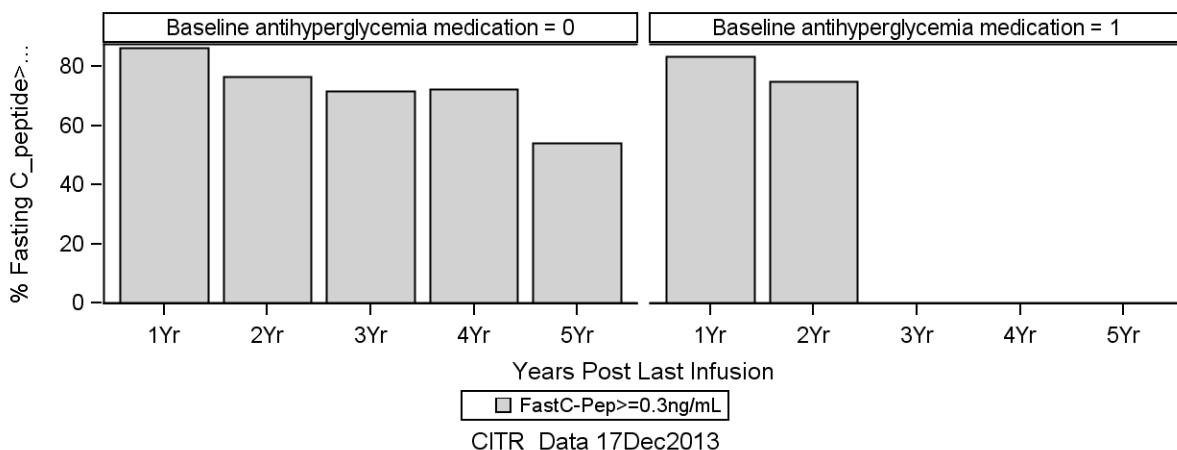
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.0035	0.3865	0.2459	1.7611	2.60	0.0094
yrspli	-0.2332	0.0807	-0.3913	-0.0751	-2.89	0.0038
basebpmed_	0.1860	0.6369	-1.0622	1.4342	0.29	0.7702
yrspli*basebpmed_	0.0218	0.1338	-0.2404	0.2840	0.16	0.8704

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.9672	0.3194	0.3411	1.5932	3.03	0.0025
yrspli	-0.2251	0.0644	-0.3513	-0.0988	-3.50	0.0005
basebpmed_	0.2833	0.2164	-0.1407	0.7074	1.31	0.1904

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>Baseline antihyperglycemia medication</i>		<i>FastC-Pep>=0.3ng/mL</i>				
0	<0.3		19	28	27	21
	≥0.3		120	91	68	55
1	<0.3		1	1	.	.
	≥0.3		5	3	.	.
<i>Total</i>		<i>FastC-Pep>=0.3ng/mL</i>				
	<0.3		20	29	27	21
	≥0.3		125	94	68	55

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Parameter	Standard		95% Confidence		Z	Pr > |Z|
	Estimate	Error	Limits			
Intercept	2.0507	0.2642	1.5329	2.5685	7.76	<.0001
yrspli	-0.3022	0.0678	-0.4351	-0.1692	-4.46	<.0001
baseantihypgly_	-0.2864	1.1428	-2.5263	1.9535	-0.25	0.8021
yrspli*baseantihypgl	0.1474	0.1392	-0.1254	0.4201	1.06	0.2896

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Parameter	Standard		95% Confidence		Z	Pr > |Z|
	Estimate	Error	Limits			
Intercept	2.0493	0.2636	1.5327	2.5659	7.77	<.0001
yrspli	-0.3018	0.0676	-0.4344	-0.1692	-4.46	<.0001
baseantihypgly_	-0.0609	1.1084	-2.2333	2.1114	-0.05	0.9562

Testing at 4-5 yr

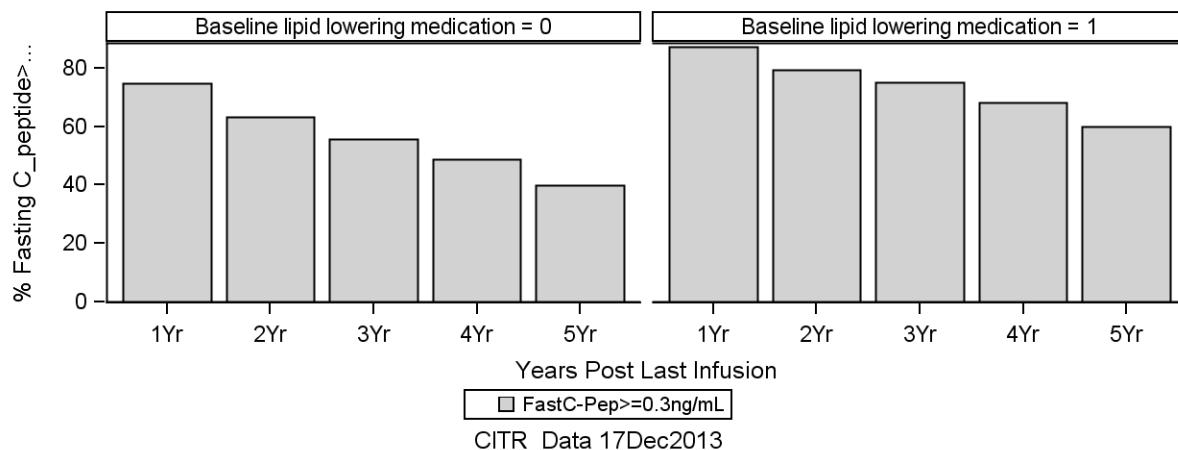
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	3.1749	0.9011	1.4088	4.9410	3.52	0.0004
yrspli	-0.5530	0.1894	-0.9242	-0.1819	-2.92	0.0035
baseantihypgly_	0.0000	0.0000	0.0000	0.0000	.	.
yrspli*baseantihypgl/	0.0000	0.0000	0.0000	0.0000	.	.

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	3.1749	0.9011	1.4088	4.9410	3.52	0.0004
yrspli	-0.5530	0.1894	-0.9242	-0.1819	-2.92	0.0035
baseantihypgly_	0.0000	0.0000	0.0000	0.0000	.	.

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Baseline lipid lowering medication	FastC-Pep>=0.3ng/mL					
0	<0.3		79	103	114	116
	≥0.3		232	177	143	110
1	<0.3		22	32	32	33
	≥0.3		149	121	95	70

		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Total						
	FastC-Pep>=0.3ng/mL					
	<0.3	101	135	146	149	159
	>=0.3	381	298	238	180	134

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
			Lower	Upper		
Intercept	1.2477	0.1396	0.9740	1.5214	8.93	<.0001
yrspli	-0.2714	0.0318	-0.3337	-0.2091	-8.54	<.0001
baselipmed_	0.7797	0.2729	0.2448	1.3146	2.86	0.0043
yrspli*baselipmed_	0.0033	0.0636	-0.1214	0.1280	0.05	0.9582

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
			Lower	Upper		
Intercept	1.2449	0.1319	0.9863	1.5034	9.44	<.0001
yrspli	-0.2705	0.0275	-0.3245	-0.2165	-9.82	<.0001
baselipmed_	0.7927	0.2053	0.3902	1.1951	3.86	0.0001

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
			Lower	Upper		
Intercept	0.8987	0.3739	0.1658	1.6315	2.40	0.0162
yrspli	-0.2358	0.0788	-0.3902	-0.0813	-2.99	0.0028
baselipmed_	0.7531	0.7056	-0.6300	2.1361	1.07	0.2859
yrspli*baselipmed_	0.0108	0.1474	-0.2780	0.2996	0.07	0.9414

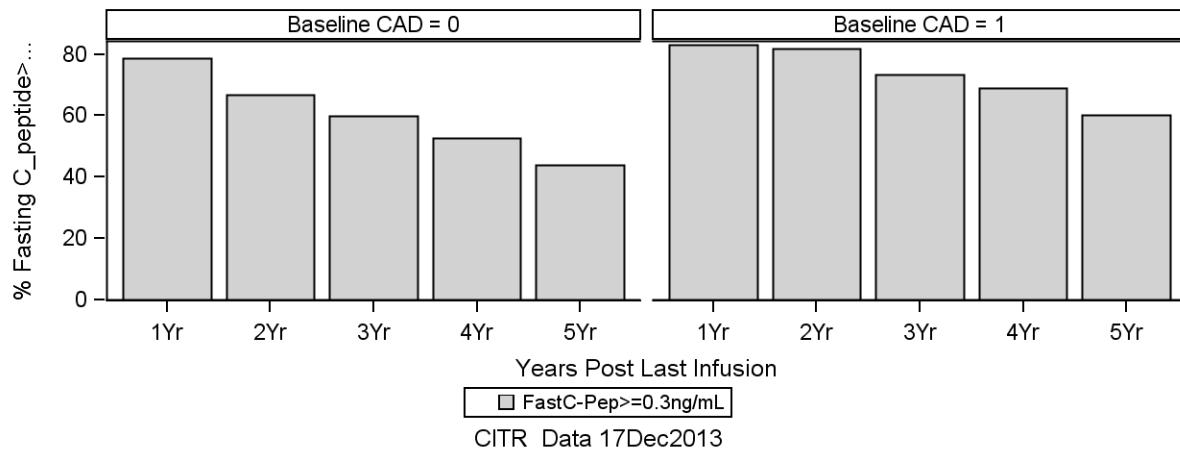
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.8862	0.3234	0.2522	1.5201	2.74	0.0061
yrspli	-0.2330	0.0666	-0.3635	-0.1024	-3.50	0.0005
baselipmed_	0.8019	0.2380	0.3353	1.2684	3.37	0.0008

Fasting C_peptide>=0.3 ng/mL



CITR Data 17Dec2013

Baseline CAD	FastC-Pep>=0.3ng/mL	Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
0	<0.3	93	128	137	141	152
0	≥0.3	344	257	203	157	119
1	<0.3	9	9	11	9	8
1	≥0.3	44	40	30	20	12
Total	FastC-Pep>=0.3ng/mL					
	<0.3	102	137	148	150	160
	≥0.3	388	297	233	177	131

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.4425	0.1228	1.2017	1.6833	11.74	<.0001
yrspli	-0.2729	0.0282	-0.3281	-0.2177	-9.69	<.0001
basecad_	0.3998	0.4397	-0.4621	1.2617	0.91	0.3633
yrspli*basecad_	0.0175	0.0992	-0.1770	0.2119	0.18	0.8602

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.4382	0.1205	1.2020	1.6743	11.93	<.0001
yrspli	-0.2717	0.0270	-0.3247	-0.2187	-10.05	<.0001
basecad_	0.4646	0.3218	-0.1662	1.0954	1.44	0.1489

Testing at 4-5 yr

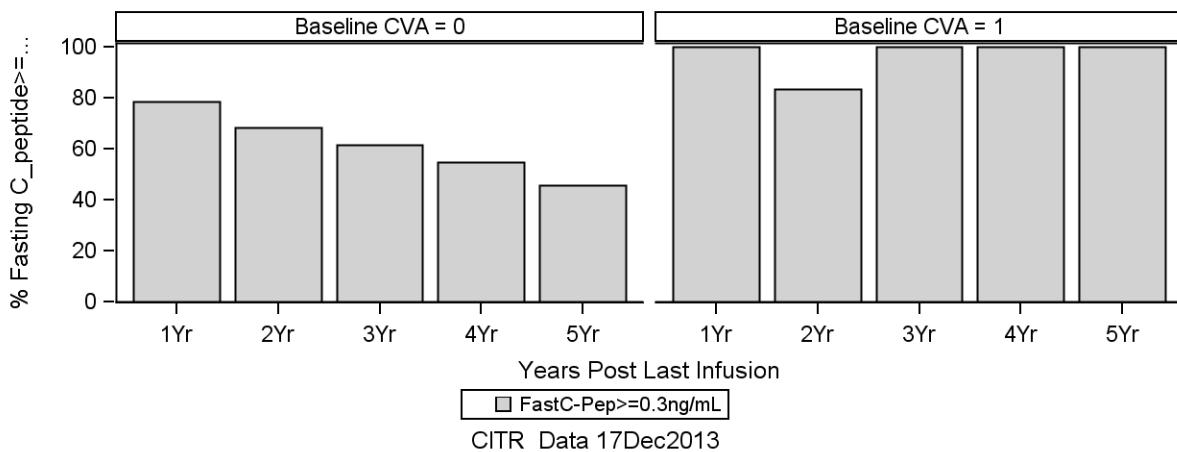
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.0259	0.3254	0.3882	1.6636	3.15	0.0016
yrspli	-0.2281	0.0683	-0.3619	-0.0943	-3.34	0.0008
basecad_	0.7452	1.0944	-1.3998	2.8901	0.68	0.4959
yrspli*basecad_	-0.0151	0.2261	-0.4582	0.4281	-0.07	0.9469

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.0312	0.3133	0.4171	1.6452	3.29	0.0010
yrspli	-0.2293	0.0654	-0.3574	-0.1011	-3.51	0.0005
basecad_	0.6780	0.4022	-0.1104	1.4663	1.69	0.0919

Fasting C_peptide>=0.3 ng/mL



	Baseline CVA	<i>FastC-Pep</i> ≥ 0.3 ng/mL	Years Post Last Infusion					
			1	2	3	4	5	
			<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	
0	<0.3		101	133	142	145	155	
			370	285	227	175	130	
1	≥ 0.3		.	1	.	.	.	
			8	5	3	2	1	
<i>Total</i>		<i>FastC-Pep</i> ≥ 0.3 ng/mL						
		<0.3	101	134	142	145	155	
		≥ 0.3	378	290	230	177	131	

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.4475	0.1197	1.2129	1.6821	12.09	<.0001
yrspli	-0.2608	0.0270	-0.3136	-0.2079	-9.67	<.0001
basecva_	1.8209	0.9188	0.0201	3.6216	1.98	0.0475
yrspli*basecva_	-0.1074	0.1350	-0.3720	0.1571	-0.80	0.4260

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.4483	0.1196	1.2139	1.6826	12.11	<.0001
<i>yrspli</i>	-0.2610	0.0269	-0.3137	-0.2082	-9.70	<.0001
<i>basecva_</i>	1.5648	1.0863	-0.5643	3.6940	1.44	0.1497

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.6438	.	.	.	.	.
<i>yrspli</i>	-0.3639	.	.	.	.	.
<i>basecva_</i>	19.7217	.	.	.	.	.
<i>yrspli*basecva_</i>	0.3639	.	.	.	.	.

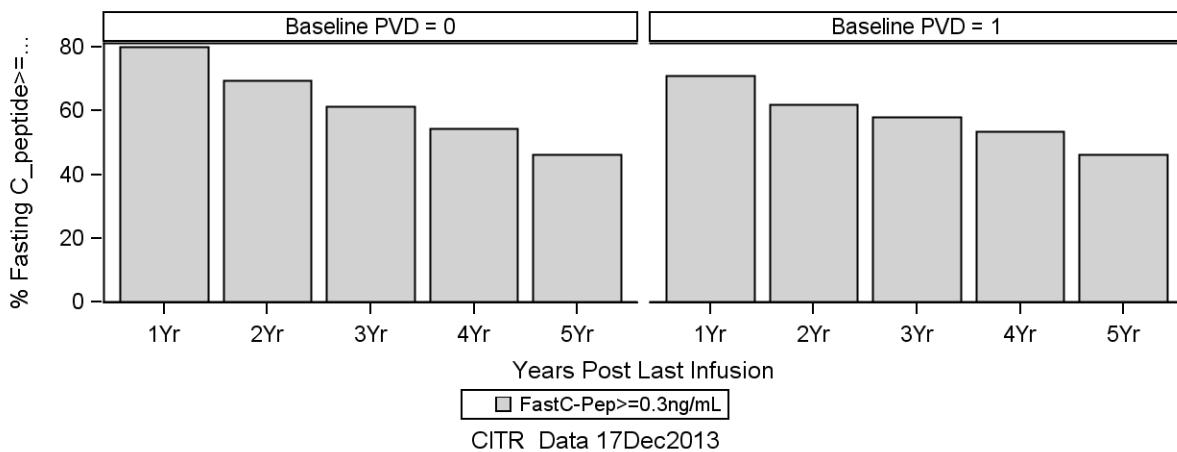
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.1276	.	.	.	.	.
<i>yrspli</i>	-0.2335	.	.	.	.	.
<i>basecva_</i>	23.2172	.	.	.	.	.

Fasting C_peptide>=0.3 ng/mL



Baseline PVD	<i>FastC-Pep</i> ≥ 0.3 ng/mL	Years Post Last Infusion				
		1	2	3	4	5
		<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>
0	<0.3		86	116	128	132
	≥ 0.3		342	262	203	157
1	<0.3		7	8	8	7
	≥ 0.3		17	13	11	8
Total	<i>FastC-Pep</i> ≥ 0.3 ng/mL					
	<0.3		93	124	136	139
	≥ 0.3		359	275	214	165
						125

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.5218	0.1270	1.2729	1.7706	11.99	<.0001
yrspli	-0.2785	0.0290	-0.3353	-0.2218	-9.61	<.0001
basepvd_	-0.6392	0.4656	-1.5517	0.2733	-1.37	0.1698
yrspli*basepvd_	0.2011	0.0637	0.0764	0.3259	3.16	0.0016

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.4808	0.1229	1.2398	1.7217	12.05	<.0001
yrspli	-0.2674	0.0278	-0.3219	-0.2129	-9.62	<.0001
basepvd_	0.1768	0.4328	-0.6714	1.0250	0.41	0.6829

Testing at 4-5 yr

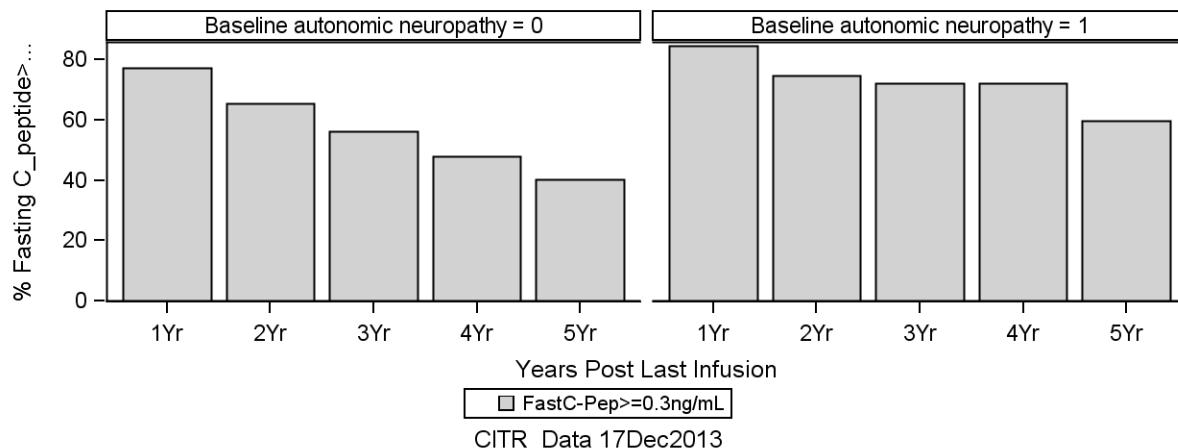
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.0003	0.3275	0.3585	1.6421	3.05	0.0023
yrspli	-0.2052	0.0686	-0.3396	-0.0708	-2.99	0.0028
basepvd_	-0.7169	0.6256	-1.9429	0.5092	-1.15	0.2518
yrspli*basepvd_	0.1677	0.0735	0.0236	0.3118	2.28	0.0225

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.9652	0.3137	0.3502	1.5801	3.08	0.0021
yrspli	-0.1973	0.0653	-0.3254	-0.0693	-3.02	0.0025
basepvd_	0.0306	0.5283	-1.0049	1.0660	0.06	0.9539

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion					
		1	2	3	4	5	
		n	n	n	n	n	
<i>Baseline autonomic neuropathy</i>	<i>FastC-Pep>=0.3ng/mL</i>						
0	<0.3		83	112	124	127	131
	≥0.3		280	212	159	117	88
1	<0.3		16	23	22	19	25
	≥0.3		88	68	57	49	37
<i>Total</i>	<i>FastC-Pep>=0.3ng/mL</i>						
	<0.3		99	135	146	146	156
	≥0.3		368	280	216	166	125

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.3624	0.1326	1.1026 1.6223	10.28	<.0001
yrspli	-0.2847	0.0312	-0.3459 -0.2235	-9.11	<.0001
baseautneuro_	0.3753	0.3032	-0.2189 0.9695	1.24	0.2158
yrspli*baseautneuro_	0.0672	0.0633	-0.0568 0.1913	1.06	0.2882

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.3220	0.1246	1.0778 1.5661	10.61	<.0001
yrspli	-0.2726	0.0277	-0.3268 -0.2184	-9.86	<.0001
baseautneuro_	0.6559	0.2462	0.1733 1.1385	2.66	0.0077

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.5394	0.3378	-0.1226	1.2013	1.60	0.1103
yrspli	-0.1553	0.0705	-0.2936	-0.0171	-2.20	0.0276
baseautneuro_	2.2506	0.9192	0.4490	4.0523	2.45	0.0143
yrspli*baseautneuro_	-0.2999	0.1891	-0.6705	0.0708	-1.59	0.1129

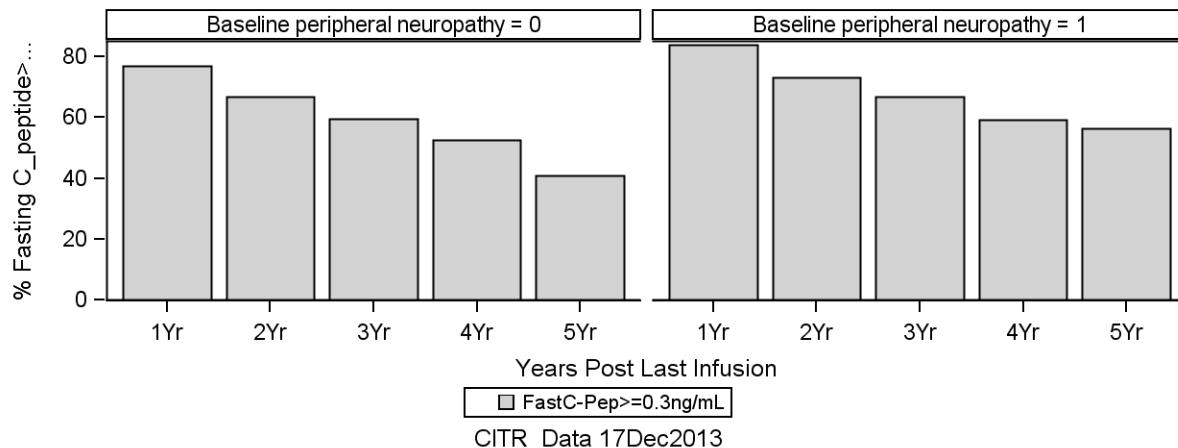
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.8090	0.3201	0.1816	1.4364	2.53	0.0115
yrspli	-0.2164	0.0664	-0.3466	-0.0862	-3.26	0.0011
baseautneuro_	0.8823	0.2732	0.3468	1.4177	3.23	0.0012

Fasting C_peptide>=0.3 ng/mL



Baseline peripheral neuropathy	FastC-Pep>=0.3ng/mL	Years Post Last Infusion				
		1	2	3	4	5
n	n	n	n	n	n	n
0	<0.3	71	91	98	98	109
	≥0.3	238	183	144	108	75
1	<0.3	29	43	46	48	46
	≥0.3	151	117	92	70	59

	FastC-Pep>=0.3ng/mL	Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Total						
<0.3		100	134	144	146	155
=>0.3		389	300	236	178	134

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.4098	0.1491	1.1175 1.7021	9.45	<.0001
yrspli	-0.2810	0.0344	-0.3484 -0.2137	-8.18	<.0001
baseperneuro_	0.2643	0.2470	-0.2198 0.7485	1.07	0.2846
yrspli*baseperneuro_	0.0435	0.0557	-0.0657 0.1526	0.78	0.4351

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.3582	0.1335	1.0966 1.6199	10.17	<.0001
yrspli	-0.2663	0.0273	-0.3198 -0.2128	-9.76	<.0001
baseperneuro_	0.4343	0.1966	0.0489 0.8197	2.21	0.0272

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.4237	0.4241	0.5925 2.2550	3.36	0.0008
yrspli	-0.3293	0.0901	-0.5059 -0.1527	-3.65	0.0003
baseperneuro_	-0.9776	0.5798	-2.1140 0.1588	-1.69	0.0918
yrspli*baseperneuro_	0.3121	0.1196	0.0777 0.5465	2.61	0.0091

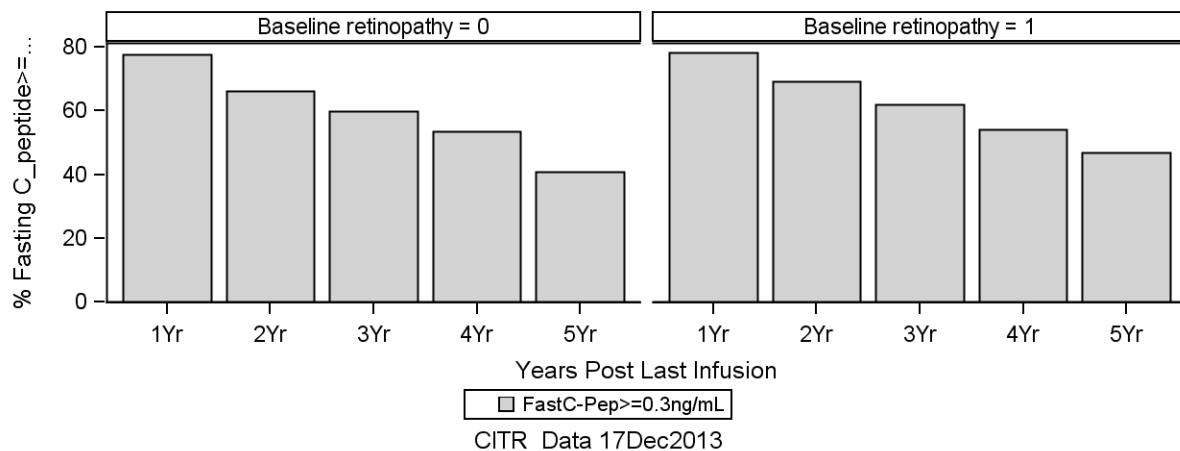
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.9262	0.3190	0.3010	1.5513	2.90	0.0037
yrspli	-0.2173	0.0648	-0.3443	-0.0902	-3.35	0.0008
baseperneuro	0.4230	0.2270	-0.0220	0.8679	1.86	0.0625

Fasting C_peptide>=0.3 ng/mL



CITR Data 17Dec2013

Baseline retinopathy	FastC-Pep>=0.3ng/mL	Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
0	<0.3	39	52	54	53	61
0	>=0.3	135	102	80	61	42
1	<0.3	65	84	92	97	99
1	>=0.3	233	187	150	114	87
Total	FastC-Pep>=0.3ng/mL					
	<0.3	104	136	146	150	160
	>=0.3	368	289	230	175	129

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.4074	0.1970	1.0213	1.7935	7.14	<.0001
yrspli	-0.2696	0.0453	-0.3583	-0.1809	-5.96	<.0001
baseretinopath_	0.0140	0.2468	-0.4697	0.4976	0.06	0.9549
yrspli*baseretinopat	0.0202	0.0563	-0.0902	0.1305	0.36	0.7201

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.3625	0.1623	1.0444	1.6807	8.39	<.0001
yrspli	-0.2567	0.0269	-0.3095	-0.2040	-9.54	<.0001
baseretinopath_	0.0858	0.1829	-0.2727	0.4444	0.47	0.6389

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.5277	0.6666	0.2213	2.8342	2.29	0.0219
yrspli	-0.3427	0.1435	-0.6239	-0.0614	-2.39	0.0170
baseretinopath_	-0.6847	0.7373	-2.1298	0.7603	-0.93	0.3530
yrspli*baseretinopat	0.1723	0.1570	-0.1354	0.4799	1.10	0.2724

The GENMOD Procedure

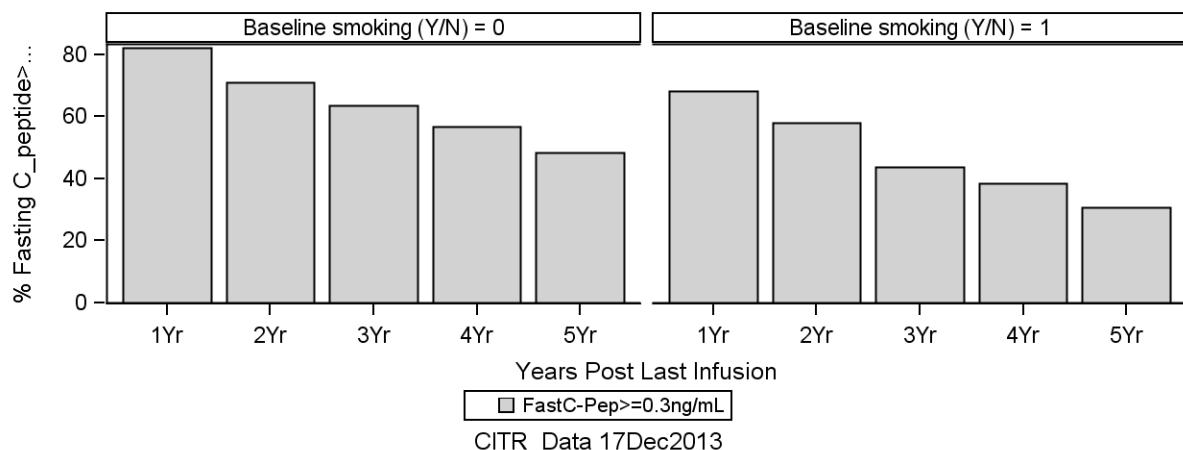
Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.0328	0.3415	0.3635	1.7022	3.02	0.0025
yrspli	-0.2316	0.0654	-0.3597	-0.1034	-3.54	0.0004
baseretinopath_	0.0828	0.2203	-0.3490	0.5147	0.38	0.7070

Fasting C_peptide>=0.3 ng/mL

Testing at 1-5 yr

Testing at 4-5 yr

Fasting C_peptide \geq 0.3 ng/mL



	Baseline smoking (Y/N)	FastC-Pep \geq 0.3ng/mL	Years Post Last Infusion					
			1	2	3	4	5	
	n	n	n	n	n			
0	<0.3		74	105	115	119	127	
		>=0.3	338	257	201	156	118	
1	<0.3		7	8	9	8	9	
		>=0.3	15	11	7	5	4	
<i>Total</i>		FastC-Pep \geq 0.3ng/mL						
		<0.3	81	113	124	127	136	
		>=0.3	353	268	208	161	122	

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.6522	0.1345	1.3885	1.9159	12.28	<.0001
yrspli	-0.2869	0.0305	-0.3466	-0.2272	-9.42	<.0001
basesmoke_	-0.6089	0.5276	-1.6431	0.4252	-1.15	0.2485
yrspli*basesmoke_	0.0614	0.1166	-0.1671	0.2899	0.53	0.5984

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.6388	0.1318	1.3805	1.8971	12.43	<.0001
yrspli	-0.2835	0.0294	-0.3411	-0.2259	-9.64	<.0001
basesmoke_	-0.4165	0.4046	-1.2094	0.3765	-1.03	0.3033

Testing at 4-5 yr

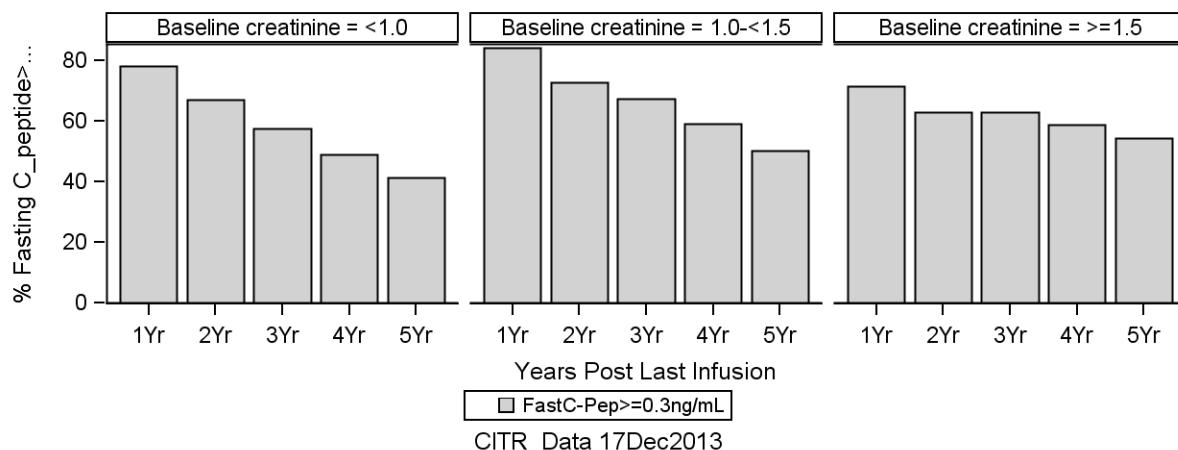
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1421	0.3447	0.4665	1.8176	3.31	0.0009
yrspli	-0.2178	0.0722	-0.3594	-0.0762	-3.02	0.0026
basesmoke_	0.0280	1.6274	-3.1616	3.2176	0.02	0.9863
yrspli*basesmoke_	-0.1456	0.3432	-0.8183	0.5271	-0.42	0.6714

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1708	0.3380	0.5083	1.8334	3.46	0.0005
yrspli	-0.2243	0.0706	-0.3627	-0.0858	-3.17	0.0015
basesmoke_	-0.6169	0.5403	-1.6758	0.4420	-1.14	0.2535

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion					
		1	2	3	4	5	
		n	n	n	n	n	
<i>Baseline creatinine</i> <i>FastC-Pep>=0.3ng/mL</i>							
<1.0	<0.3		78	99	104	108	113
	≥0.3		280	202	140	103	79
1.0<1.5	<0.3		24	36	36	36	38
	≥0.3		127	96	74	52	38
≥1.5	<0.3		12	13	13	12	11
	≥0.3		30	22	22	17	13
<i>Total</i>	<i>FastC-Pep>=0.3ng/mL</i>						
	<0.3		114	148	153	156	162
	≥0.3		437	320	236	172	130

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.5807	0.2830	1.0259 2.1354	5.58	<.0001	
yrspli	-0.3895	0.0633	-0.5135 -0.2655	-6.16	<.0001	
basecreat_c	-0.0669	0.1787	-0.4172 0.2833	-0.37	0.7080	
yrspli*basecreat_c	0.0868	0.0371	0.0141 0.1595	2.34	0.0193	

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.0557	0.2166	0.6312 1.4802	4.87	<.0001	
yrspli	-0.2660	0.0275	-0.3198 -0.2122	-9.69	<.0001	
basecreat_c	0.3189	0.1421	0.0405 0.5973	2.24	0.0248	

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
<i>Intercept</i>	0.6103	0.6566	-0.6766	1.8972	0.93	0.3526
<i>yrspli</i>	-0.2244	0.1332	-0.4854	0.0366	-1.69	0.0920
<i>basecreat_c</i>	0.1974	0.3831	-0.5534	0.9482	0.52	0.6064
<i>yrspli*basecreat_c</i>	0.0185	0.0752	-0.1288	0.1658	0.25	0.8056

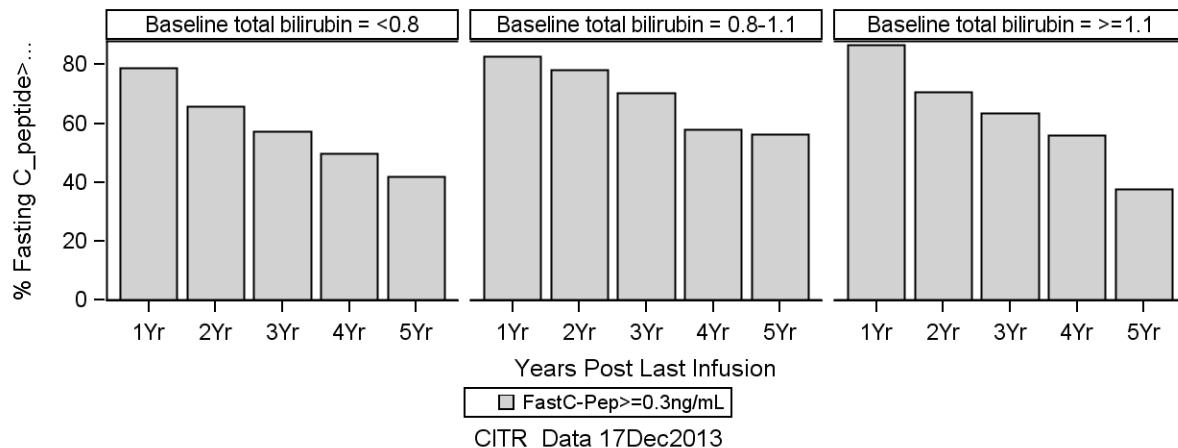
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
<i>Intercept</i>	0.4930	0.3816	-0.2550	1.2410	1.29	0.1964
<i>yrspli</i>	-0.1983	0.0625	-0.3207	-0.0758	-3.17	0.0015
<i>basecreat_c</i>	0.2804	0.1696	-0.0519	0.6128	1.65	0.0981

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Baseline total bilirubin	<0.8					
	≥ 0.3	78	108	115	116	119
0.8-1.1	<0.3	289	207	154	114	86
	≥ 0.3	14	14	14	16	14

		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
>=1.1	<0.3		6	10	11	11
	>=0.3		39	24	19	14
Total	<i>FastC-Pep</i> >=0.3ng/mL					
	<0.3		98	132	140	143
	>=0.3	395	281	206	150	113

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.0702	0.2967	0.4888 1.6517	3.61	0.0003
yrspli	-0.2526	0.0698	-0.3893 -0.1158	-3.62	0.0003
basebili_c	0.3404	0.2165	-0.0839 0.7647	1.57	0.1159
yrspli*basebili_c	-0.0264	0.0507	-0.1258 0.0731	-0.52	0.6031

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.2026	0.2296	0.7526 1.6526	5.24	<.0001
yrspli	-0.2865	0.0284	-0.3422 -0.2309	-10.09	<.0001
basebili_c	0.2349	0.1513	-0.0617 0.5315	1.55	0.1206

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	-0.4843	0.8166	-2.0848 1.1163	-0.59	0.5532
yrspli	0.0787	0.1719	-0.2581 0.4156	0.46	0.6470
basebili_c	0.9933	0.6424	-0.2658 2.2525	1.55	0.1221
yrspli*basebili_c	-0.2054	0.1368	-0.4734 0.0627	-1.50	0.1333

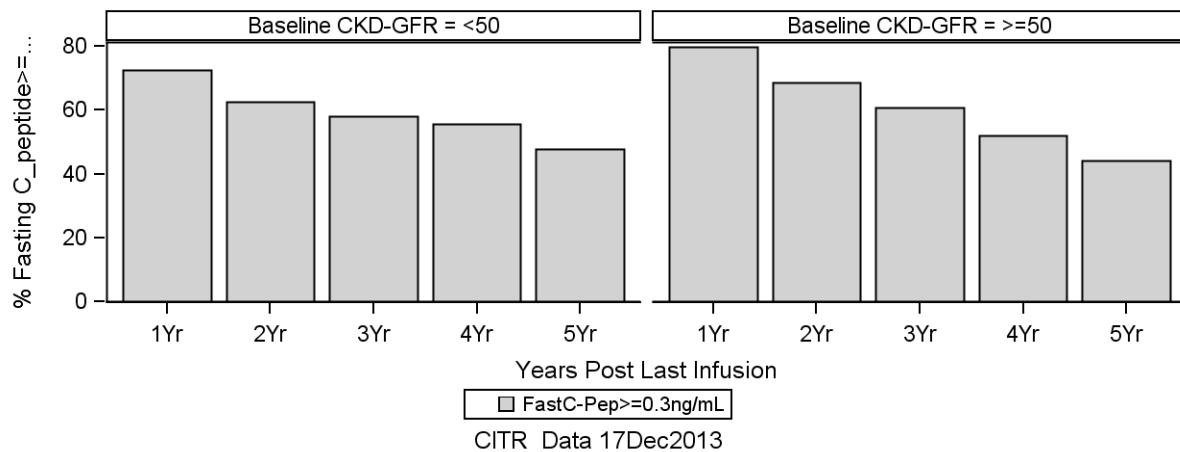
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.7160	0.3934	-0.0550	1.4870	1.82	0.0687
yrspli	-0.1902	0.0662	-0.3199	-0.0605	-2.87	0.0040
basebili_c	0.0755	0.1775	-0.2723	0.4233	0.43	0.6704

Fasting C_peptide \geq 0.3 ng/mL



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		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Baseline CKD-GFR	FastC-Pep \geq 0.3ng/mL					
<50	<0.3		11	12	13	12
	\geq 0.3		29	20	18	15
>=50	<0.3	101	136	140	144	151
	\geq 0.3	394	296	217	156	119
Total	FastC-Pep \geq 0.3ng/mL					
	<0.3	112	148	153	156	162
	\geq 0.3	423	316	235	171	129

Testing at 1-5 yr

The GENMOD Procedure

CITR Data 17Dec2013

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	0.5872	0.7263	-0.8363	2.0108	0.81	0.4188
<i>yrspli</i>	0.0359	0.1167	-0.1929	0.2646	0.31	0.7586
<i>base_ckdgfr_c</i>	0.4600	0.3775	-0.2798	1.1999	1.22	0.2230
<i>yrspli*base_ckdgfr_c</i>	-0.1567	0.0634	-0.2810	-0.0325	-2.47	0.0134

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.7300	0.6537	0.4488	3.0112	2.65	0.0081
<i>yrspli</i>	-0.2651	0.0270	-0.3180	-0.2122	-9.83	<.0001
<i>base_ckdgfr_c</i>	-0.1336	0.3283	-0.7771	0.5100	-0.41	0.6841

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	-0.1472	0.8719	-1.8561	1.5618	-0.17	0.8660
<i>yrspli</i>	0.1268	0.0853	-0.0403	0.2939	1.49	0.1370
<i>base_ckdgfr_c</i>	0.5364	0.5163	-0.4756	1.5483	1.04	0.2989
<i>yrspli*base_ckdgfr_c</i>	-0.1683	0.0720	-0.3095	-0.0272	-2.34	0.0194

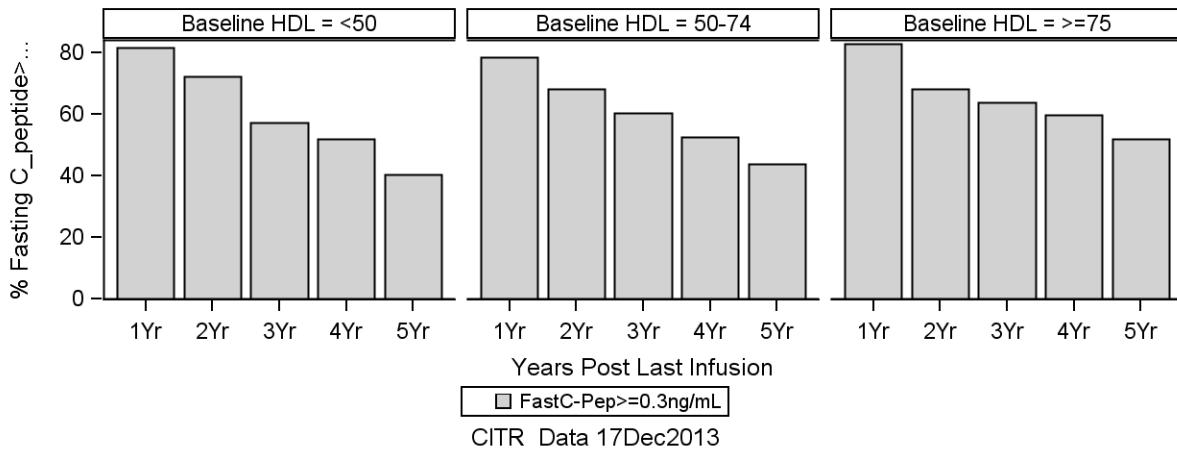
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.2895	0.8293	-0.3358	2.9149	1.56	0.1199
<i>yrspli</i>	-0.1977	0.0622	-0.3197	-0.0758	-3.18	0.0015
<i>base_ckdgfr_c</i>	-0.2090	0.4018	-0.9964	0.5784	-0.52	0.6029

Fasting C_peptide>=0.3 ng/mL



Baseline HDL	FastC-Pep>=0.3ng/mL	Years Post Last Infusion				
		1	2	3	4	5
	n	n	n	n	n	
<50	<0.3	16	20	27	25	28
	≥0.3	71	52	36	27	19
50-74	<0.3	57	73	77	81	85
	≥0.3	207	157	118	90	66
≥75	<0.3	19	32	31	31	35
	≥0.3	92	69	55	46	38
<i>Total</i>		FastC-Pep>=0.3ng/mL				
		92	125	135	137	148
		370	278	209	163	123

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.7084	0.3919	0.9402 2.4765	4.36	<.0001
yrspli	-0.3702	0.0926	-0.5516 -0.1887	-4.00	<.0001
base_HDL_c	-0.0909	0.1763	-0.4364 0.2546	-0.52	0.6061
yrspli*base_HDL_c	0.0453	0.0410	-0.0350 0.1256	1.11	0.2687

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.3809	0.3104	0.7724	1.9893	4.45	<.0001
yrspli	-0.2762	0.0284	-0.3318	-0.2206	-9.74	<.0001
base_HDL_c	0.0686	0.1424	-0.2106	0.3478	0.48	0.6302

Testing at 4-5 yr

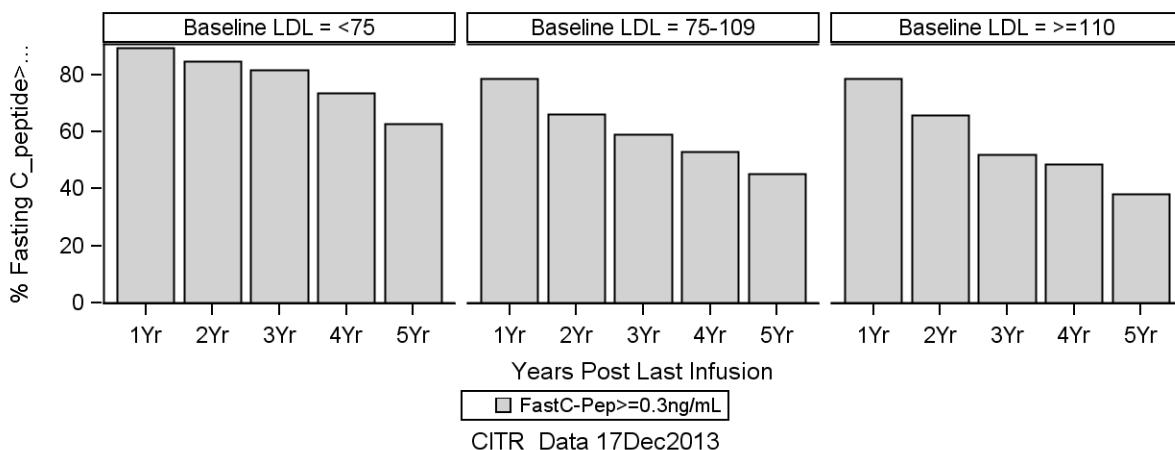
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.2187	1.0605	-0.8599	3.2973	1.15	0.2505
yrspli	-0.3397	0.2219	-0.7746	0.0953	-1.53	0.1259
base_HDL_c	-0.0537	0.4625	-0.9602	0.8528	-0.12	0.9076
yrspli*base_HDL_c	0.0519	0.0958	-0.1358	0.2396	0.54	0.5877

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.7329	0.4805	-0.2089	1.6747	1.53	0.1272
yrspli	-0.2310	0.0685	-0.3653	-0.0966	-3.37	0.0008
base_HDL_c	0.1788	0.1717	-0.1577	0.5153	1.04	0.2977

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>Baseline LDL</i> <i>FastC-Pep</i> >= 0.3 ng/mL						
<75	<0.3		11	13	12	13
	>=0.3		92	71	53	36
75-109	<0.3		49	69	73	77
	>=0.3		179	134	105	87
>=110	<0.3		23	33	40	38
	>=0.3		84	63	43	36
<i>Total</i>		<i>FastC-Pep</i> >= 0.3 ng/mL				
		<0.3		83	115	125
		>=0.3		355	268	201
				159	120	

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	2.2529	0.4089	1.4514 3.0545	5.51	<.0001	
yrspli	-0.1510	0.0981	-0.3433 0.0413	-1.54	0.1239	
base_LDL_c	-0.3204	0.1809	-0.6750 0.0342	-1.77	0.0766	
yrspli*base_LDL_c	-0.0641	0.0453	-0.1529 0.0247	-1.41	0.1574	

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	2.7616	0.3275	2.1198 3.4034	8.43	<.0001	
yrspli	-0.2879	0.0307	-0.3481 -0.2278	-9.38	<.0001	
base_LDL_c	-0.5479	0.1348	-0.8122 -0.2836	-4.06	<.0001	

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	2.0869	1.1357	-0.1390	4.3129	1.84	0.0661
yrspli	-0.2140	0.2390	-0.6825	0.2544	-0.90	0.3705
base_LDL_c	-0.4247	0.5058	-1.4161	0.5666	-0.84	0.4011
yrspli*base_LDL_c	-0.0141	0.1065	-0.2229	0.1947	-0.13	0.8948

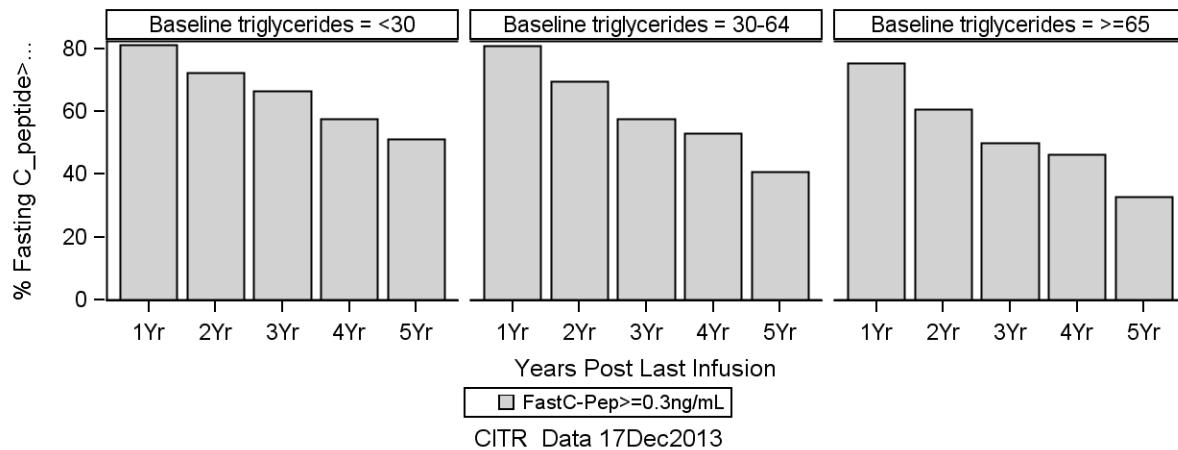
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	2.2209	0.5134	1.2147	3.2272	4.33	<.0001
yrspli	-0.2440	0.0732	-0.3875	-0.1005	-3.33	0.0009
base_LDL_c	-0.4876	0.1783	-0.8370	-0.1382	-2.73	0.0062

Fasting C_peptide>=0.3 ng/mL



Baseline triglycerides	FastC-Pep ≥ 0.3 ng/mL	Years Post Last Infusion				
		1	2	3	4	5
n	n	n	n	n	n	n
<30	<0.3	51	67	72	78	81
	≥ 0.3	219	173	143	106	85
30-64	<0.3	22	31	33	33	38
	≥ 0.3	93	71	45	37	26

		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
>=65	<0.3	26	35	38	36	39
	>=0.3	79	54	38	31	19
Total	<i>FastC-Pep</i> >= 0.3 ng/mL					
	<0.3	99	133	143	147	158
	>=0.3	391	298	226	174	130

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.7677	0.2786	1.2216 2.3138	6.34	<.0001	
yrspli	-0.2142	0.0634	-0.3384 -0.0900	-3.38	0.0007	
base_trigl_c	-0.1422	0.1423	-0.4211 0.1366	-1.00	0.3175	
yrspli*base_trigl_c	-0.0415	0.0337	-0.1076 0.0245	-1.23	0.2179	

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	2.0159	0.2354	1.5546 2.4772	8.56	<.0001	
yrspli	-0.2835	0.0281	-0.3386 -0.2284	-10.08	<.0001	
base_trigl_c	-0.2803	0.1112	-0.4983 -0.0623	-2.52	0.0117	

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.1187	0.7271	-0.3064 2.5437	1.54	0.1239	
yrspli	-0.1417	0.1529	-0.4414 0.1581	-0.93	0.3542	
base_trigl_c	0.0338	0.3682	-0.6878 0.7554	0.09	0.9269	
yrspli*base_trigl_c	-0.0662	0.0771	-0.2172 0.0848	-0.86	0.3905	

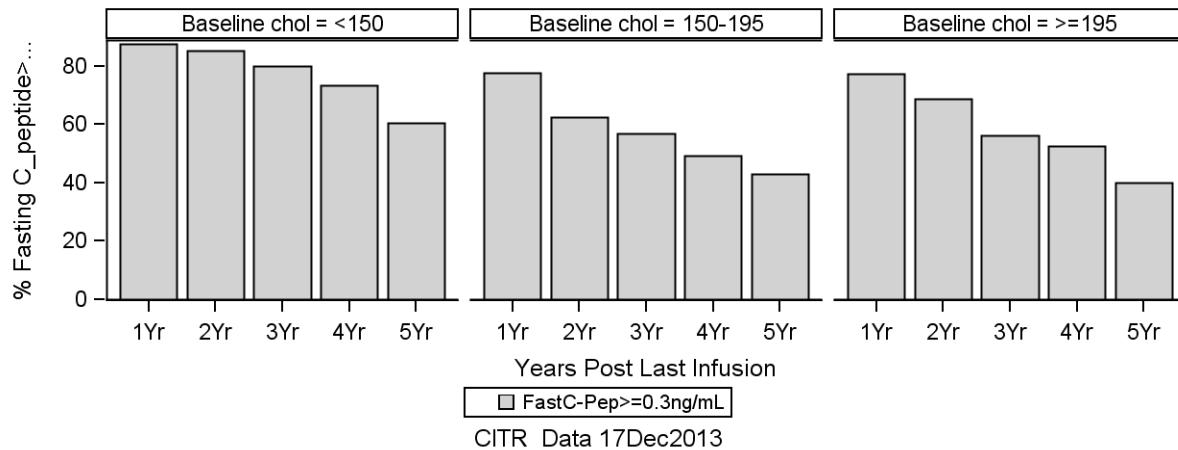
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.5944	0.3933	0.8236	2.3652	4.05	<.0001
yrspli	-0.2489	0.0677	-0.3815	-0.1162	-3.68	0.0002
base_trigl_c	-0.2583	0.1349	-0.5228	0.0062	-1.91	0.0556

Fasting C_peptide>=0.3 ng/mL



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Baseline chol	FastC-Pep>=0.3ng/mL	Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<150	<0.3	14	14	15	15	19
<150	=0.3	98	81	60	41	29
150-195	<0.3	55	83	85	92	94
150-195	=0.3	191	137	111	89	71
>=195	<0.3	30	36	43	40	45
>=195	=0.3	102	79	55	44	30
Total	FastC-Pep>=0.3ng/mL					
	<0.3	99	133	143	147	158
	=0.3	391	297	226	174	130

Testing at 1-5 yr

The GENMOD Procedure

CITR Data 17Dec2013

Analysis Of GEE Parameter Estimates
Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	2.1671	0.3804	1.4215	2.9128	5.70	<.0001
yrspli	-0.2069	0.0950	-0.3932	-0.0207	-2.18	0.0295
base_chol_c	-0.3111	0.1688	-0.6419	0.0197	-1.84	0.0653
yrspli*base_chol_c	-0.0356	0.0432	-0.1203	0.0491	-0.82	0.4103

The GENMOD Procedure

Analysis Of GEE Parameter Estimates
Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	2.4434	0.2880	1.8789	3.0079	8.48	<.0001
yrspli	-0.2828	0.0280	-0.3377	-0.2279	-10.10	<.0001
base_chol_c	-0.4357	0.1210	-0.6729	-0.1985	-3.60	0.0003

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates
Empirical Standard Error Estimates

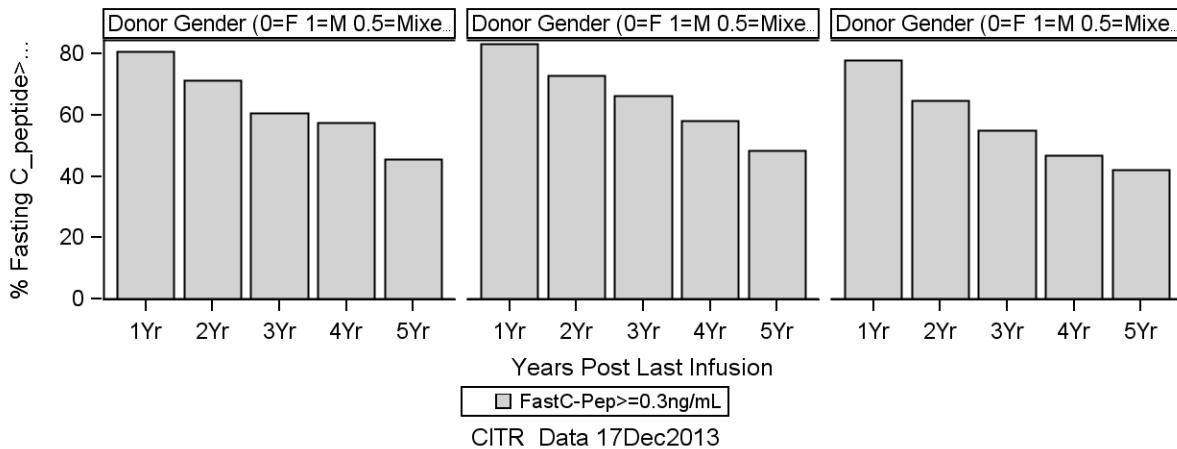
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	2.0838	1.1440	-0.1584	4.3259	1.82	0.0685
yrspli	-0.2860	0.2458	-0.7677	0.1958	-1.16	0.2447
base_chol_c	-0.4398	0.5117	-1.4427	0.5631	-0.86	0.3901
yrspli*base_chol_c	0.0184	0.1098	-0.1968	0.2336	0.17	0.8670

The GENMOD Procedure

Analysis Of GEE Parameter Estimates
Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.9130	0.4668	0.9981	2.8278	4.10	<.0001
yrspli	-0.2475	0.0678	-0.3804	-0.1146	-3.65	0.0003
base_chol_c	-0.3583	0.1635	-0.6786	-0.0379	-2.19	0.0284

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion									
		1	2	3	4	5					
		n	n	n	n	n					
<i>Donor Gender (0=F 1=M 0.5=Mixed)</i>											
<i>Female</i>		<0.3		20	23	28	26	30			
		≥0.3		84	57	43	35	25			
<i>Mixed</i>		<0.3		40	56	60	61	65			
		≥0.3		198	151	117	84	61			
<i>Male</i>		<0.3		48	62	59	60	59			
		≥0.3		170	113	72	53	43			
<i>Total</i>		<i>FastC-Pep>=0.3ng/mL</i>									
		<0.3					108	141	147	147	154
		≥0.3					452	321	232	172	129

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
<i>Intercept</i>	1.8312	0.2399	1.3611 2.3014	7.63	<.0001
<i>yrspli</i>	-0.3084	0.0574	-0.4210 -0.1959	-5.37	<.0001
<i>dgender_</i>	-0.4324	0.3272	-1.0736 0.2088	-1.32	0.1863
<i>yrspli*dgender_</i>	0.0686	0.0784	-0.0851 0.2223	0.87	0.3819

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.6697	0.1863	1.3046	2.0348	8.96	<.0001
yrspli	-0.2672	0.0276	-0.3213	-0.2131	-9.68	<.0001
dgender_	-0.1729	0.2472	-0.6575	0.3117	-0.70	0.4843

Testing at 4-5 yr

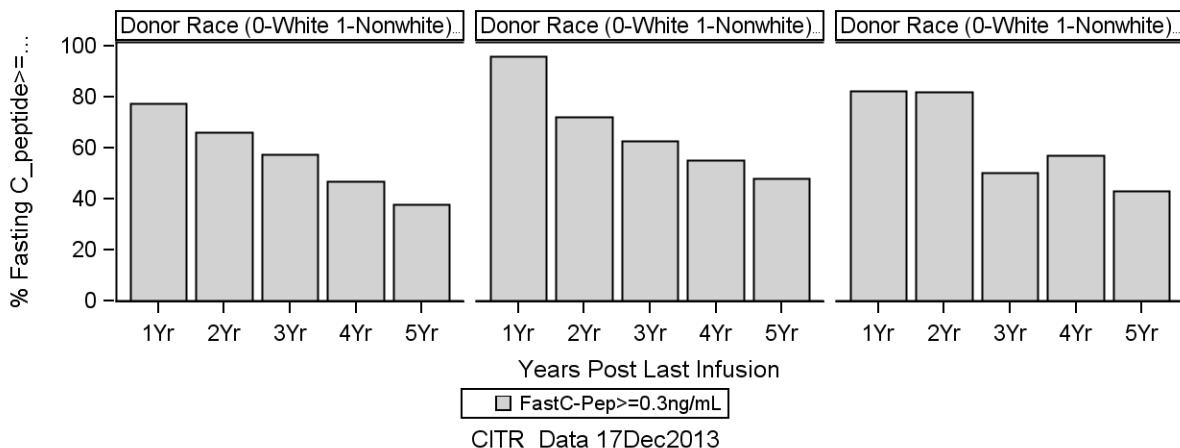
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	2.0200	0.6754	0.6962	3.3437	2.99	0.0028
yrspli	-0.3946	0.1420	-0.6728	-0.1163	-2.78	0.0054
dgender_	-1.7826	0.8225	-3.3946	-0.1706	-2.17	0.0302
yrspli*dgender_	0.3265	0.1685	-0.0037	0.6567	1.94	0.0527

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1691	0.3523	0.4785	1.8596	3.32	0.0009
yrspli	-0.2053	0.0642	-0.3311	-0.0794	-3.20	0.0014
dgender_	-0.3205	0.3024	-0.9132	0.2723	-1.06	0.2893

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>Donor Race (0-White 1-Nonwhite)</i>		<i>FastC-Pep>=0.3ng/mL</i>				
<i>White</i>	<0.3		68	84	88	95
	≥0.3		234	164	119	83
<i>0.5</i>	<0.3		2	12	12	13
	≥0.3		45	31	20	16
<i>Non-white</i>	<0.3		3	2	4	3
	≥0.3		14	9	4	4
<i>Total</i>		<i>FastC-Pep>=0.3ng/mL</i>				
	<0.3		73	98	104	111
	≥0.3		293	204	143	103
						118
						76

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
<i>Intercept</i>	1.4584	0.1531	1.1583 1.7584	9.53	<.0001
<i>yrspli</i>	-0.2946	0.0360	-0.3651 -0.2241	-8.19	<.0001
<i>drace_</i>	0.9585	0.5321	-0.0843 2.0013	1.80	0.0716
<i>yrspli*drace_</i>	-0.2500	0.1455	-0.5352 0.0352	-1.72	0.0858

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
<i>Intercept</i>	1.5426	0.1503	1.2480 1.8372	10.26	<.0001
<i>yrspli</i>	-0.3171	0.0336	-0.3829 -0.2513	-9.45	<.0001
<i>drace_</i>	0.1247	0.4179	-0.6943 0.9438	0.30	0.7654

Testing at 4-5 yr

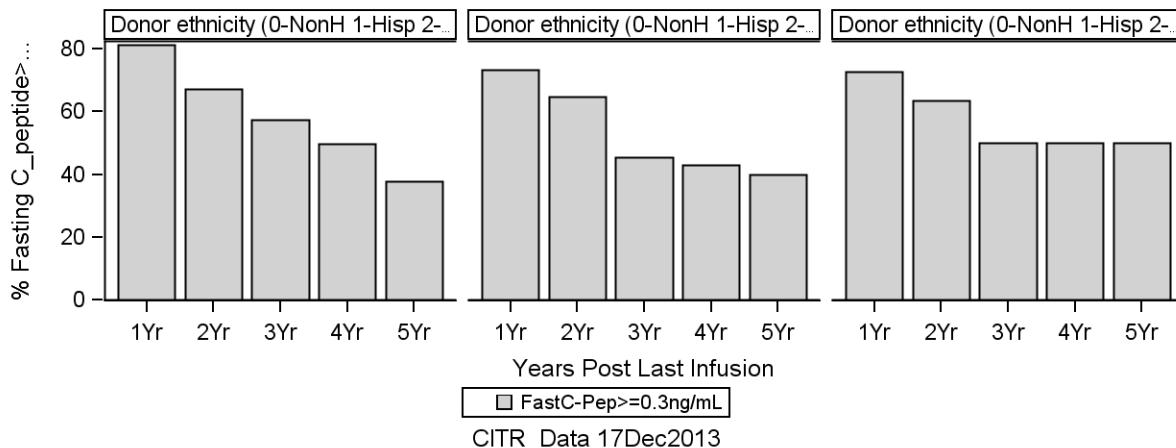
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	0.7646	0.4328	-0.0836 1.6127	1.77	0.0773	
yrspli	-0.2207	0.0917	-0.4005 -0.0410	-2.41	0.0161	
drace_	1.1261	1.7072	-2.2201 4.4722	0.66	0.5095	
yrspli*drace_	-0.1500	0.3594	-0.8543 0.5543	-0.42	0.6764	

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	0.8344	0.3935	0.0632 1.6057	2.12	0.0340	
yrspli	-0.2366	0.0824	-0.3981 -0.0750	-2.87	0.0041	
drace_	0.4560	0.5540	-0.6299 1.5418	0.82	0.4105	

Fasting C_peptide>=0.3 ng/mL



Years Post Last Infusion						
	1	2	3	4	5	
	n	n	n	n	n	
Donor ethnicity (0-NonH 1-Hisp 2-Mixed)						
Non-Hispanic	<0.3	55	78	85	86	96
	>=0.3	239	159	114	85	58
Mixed	<0.3	12	13	12	12	12
	>=0.3	33	24	10	9	8

		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>Hispanic</i>	<0.3		3	4	3	3
	≥0.3		8	7	3	3
<i>Total</i>	<i>FastC-Pep</i> >= 0.3 ng/mL					
	<0.3		70	95	100	101
	≥0.3		280	190	127	97
						69

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
<i>Intercept</i>	1.5902	0.1530	1.2903 1.8901	10.39	<.0001
<i>yrspli</i>	-0.3250	0.0367	-0.3969 -0.2531	-8.86	<.0001
<i>dethnic_</i>	-0.7955	0.5195	-1.8137 0.2227	-1.53	0.1257
<i>yrspli*dethnic_</i>	0.2534	0.1127	0.0326 0.4743	2.25	0.0245

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
<i>Intercept</i>	1.5076	0.1438	1.2258 1.7893	10.49	<.0001
<i>yrspli</i>	-0.3015	0.0334	-0.3669 -0.2362	-9.04	<.0001
<i>dethnic_</i>	0.0802	0.4821	-0.8647 1.0251	0.17	0.8679

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
<i>Intercept</i>	1.3280	0.4112	0.5222 2.1339	3.23	0.0012
<i>yrspli</i>	-0.3341	0.0862	-0.5031 -0.1651	-3.87	0.0001
<i>dethnic_</i>	-2.1495	0.8875	-3.8888 -0.4101	-2.42	0.0154
<i>yrspli*dethnic_</i>	0.4729	0.1315	0.2152 0.7306	3.60	0.0003

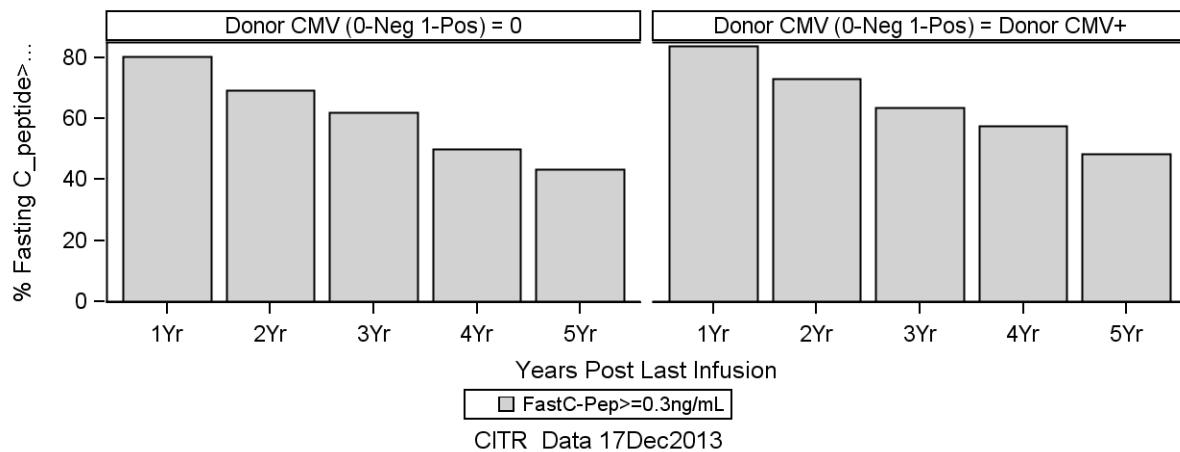
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1433	0.3676	0.4229	1.8637	3.11	0.0019
yrspli	-0.2924	0.0755	-0.4402	-0.1445	-3.87	0.0001
dethnic_	-0.0507	0.6407	-1.3065	1.2050	-0.08	0.9369

Fasting C_peptide>=0.3 ng/mL



CITR Data 17Dec2013

		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Donor CMV (0-Neg 1-Pos)	FastC-Pep>=0.3ng/mL					
0	<0.3	24	31	29	32	34
	>=0.3	98	69	47	32	26
Donor CMV+	<0.3	58	83	95	92	98
	>=0.3	297	224	164	124	91
Total	FastC-Pep>=0.3ng/mL					
	<0.3	82	114	124	124	132
	>=0.3	395	293	211	156	117

Testing at 1-5 yr

The GENMOD Procedure

CITR Data 17Dec2013

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.5754	0.2509	1.0836	2.0672	6.28	<.0001
<i>yrspli</i>	-0.2622	0.0598	-0.3794	-0.1450	-4.38	<.0001
<i>dcmv_</i>	0.1669	0.2911	-0.4037	0.7374	0.57	0.5665
<i>yrspli*dcmv_</i>	-0.0365	0.0692	-0.1721	0.0992	-0.53	0.5983

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.6800	0.2080	1.2724	2.0876	8.08	<.0001
<i>yrspli</i>	-0.2895	0.0301	-0.3485	-0.2304	-9.61	<.0001
<i>dcmv_</i>	0.0267	0.2173	-0.3992	0.4526	0.12	0.9023

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	0.6471	0.4902	-0.3137	1.6080	1.32	0.1868
<i>yrspli</i>	-0.1546	0.0945	-0.3398	0.0305	-1.64	0.1016
<i>dcmv_</i>	0.5907	0.6453	-0.6740	1.8554	0.92	0.3600
<i>yrspli*dcmv_</i>	-0.0802	0.1297	-0.3345	0.1741	-0.62	0.5365

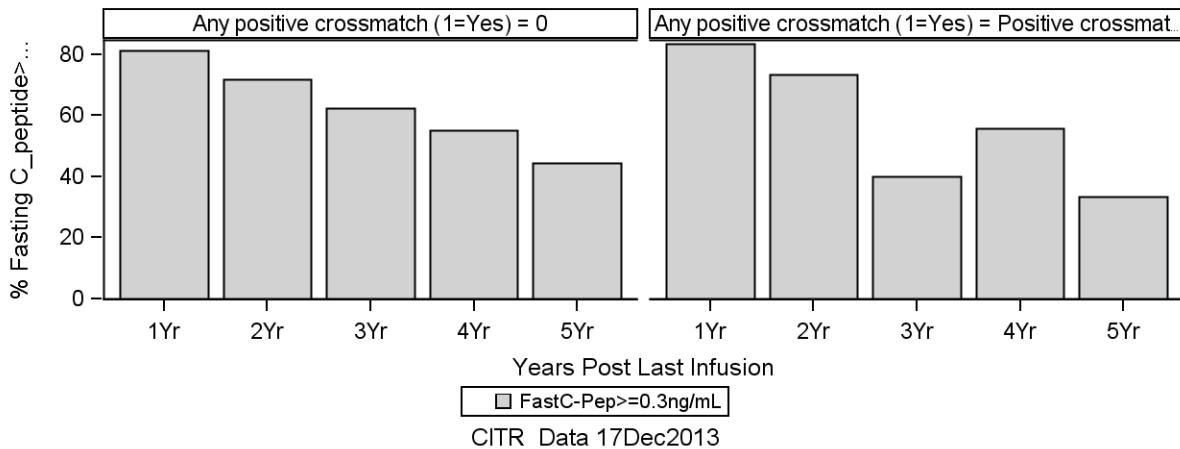
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	0.9212	0.4023	0.1326	1.7097	2.29	0.0220
<i>yrspli</i>	-0.2161	0.0714	-0.3559	-0.0762	-3.03	0.0025
<i>dcmv_</i>	0.2327	0.2770	-0.3103	0.7756	0.84	0.4009

Fasting C_peptide>=0.3 ng/mL



CITR Data 17Dec2013

		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>Any positive crossmatch (1=Yes)</i>						
0	<0.3	63	83	93	92	99
	>=0.3	269	210	153	113	79
<i>Positive crossmatch</i>						
	<0.3	3	4	6	4	4
	>=0.3	15	11	4	5	2
<i>Total</i>						
	<i>FastC-Pep>=0.3ng/mL</i>					
	<0.3	66	87	99	96	103
	>=0.3	284	221	157	118	81

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.5993	0.1495	1.3063 1.8923	10.70	<.0001
yrspli	-0.2757	0.0348	-0.3439 -0.2075	-7.93	<.0001
cadpos_	0.1909	0.7170	-1.2144 1.5962	0.27	0.7900
yrspli*cadpos_	-0.0728	0.1960	-0.4569 0.3114	-0.37	0.7104

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.6111	0.1494	1.3183	1.9038	10.79	<.0001
yrspli	-0.2787	0.0343	-0.3459	-0.2115	-8.13	<.0001
cadpos_	-0.0599	0.4882	-1.0168	0.8969	-0.12	0.9023

Testing at 4-5 yr

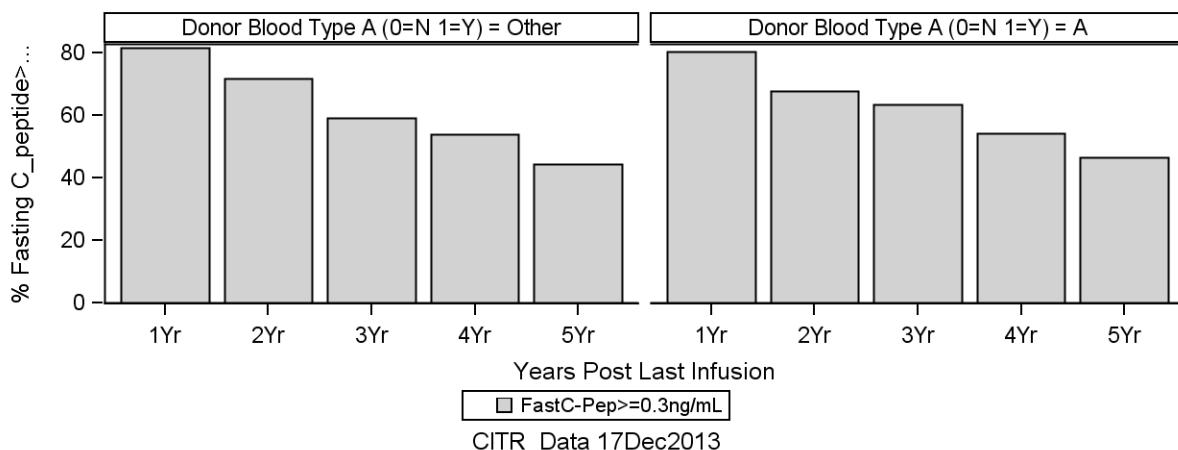
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.2095	0.3693	0.4857	1.9333	3.28	0.0011
yrspli	-0.2488	0.0765	-0.3986	-0.0989	-3.25	0.0011
cadpos_	1.8394	2.7985	-3.6456	7.3243	0.66	0.5110
yrspli*cadpos_	-0.4577	0.6245	-1.6817	0.7664	-0.73	0.4637

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.2779	0.3709	0.5509	2.0049	3.44	0.0006
yrspli	-0.2642	0.0768	-0.4147	-0.1136	-3.44	0.0006
cadpos_	-0.1412	0.6396	-1.3949	1.1124	-0.22	0.8253

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Donor Blood Type A (0=N 1=Y)	FastC-Pep>=0.3ng/mL					
Other	<0.3	50	63	72	67	69
	>=0.3	219	158	103	78	55
A	<0.3	58	78	75	80	85
	>=0.3	233	163	129	94	74
Total	FastC-Pep>=0.3ng/mL					
	<0.3	108	141	147	147	154
	>=0.3	452	321	232	172	129

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.6597	0.1720	1.3226 1.9968	9.65	<.0001
yrspli	-0.2949	0.0439	-0.3809 -0.2089	-6.72	<.0001
dbldtypa_	-0.1724	0.2301	-0.6233 0.2785	-0.75	0.4537
yrspli*dbldtypa_	0.0517	0.0562	-0.0585 0.1618	0.92	0.3579

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.5571	0.1405	1.2818 1.8325	11.08	<.0001
yrspli	-0.2663	0.0276	-0.3205 -0.2122	-9.64	<.0001
dbldtypa_	0.0177	0.1740	-0.3234 0.3587	0.10	0.9192

Testing at 4-5 yr

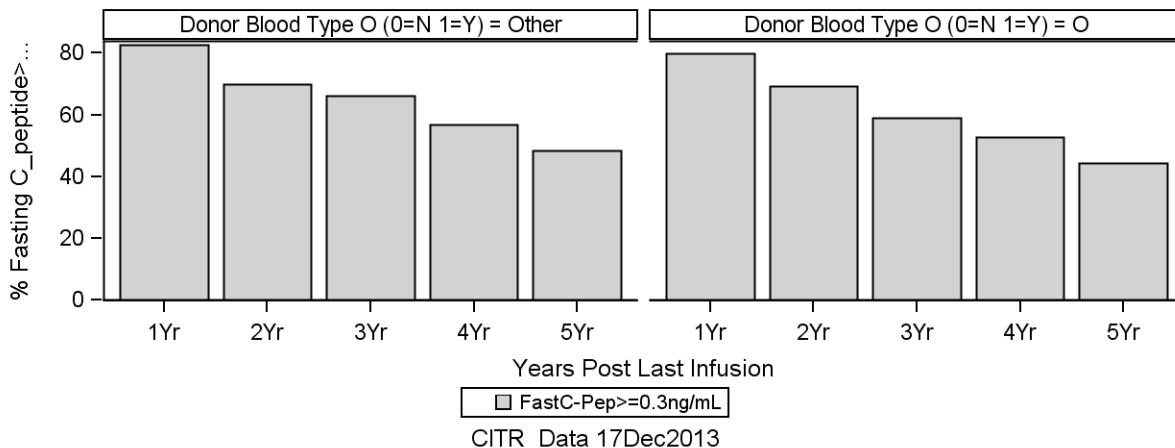
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1541	0.4971	0.1797	2.1284	2.32	0.0203
yrspli	-0.2474	0.1056	-0.4543	-0.0405	-2.34	0.0191
dbldtypa_	-0.3107	0.6273	-1.5401	0.9188	-0.50	0.6204
yrspli*dbldtypa_	0.0768	0.1316	-0.1812	0.3349	0.58	0.5594

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.9631	0.3267	0.3228	1.6033	2.95	0.0032
yrspli	-0.2044	0.0640	-0.3298	-0.0790	-3.19	0.0014
dbldtypa_	0.0317	0.2167	-0.3930	0.4564	0.15	0.8837

Fasting C_peptide>=0.3 ng/mL



Donor Blood Type O (0=N 1=Y)		FastC-Pep>=0.3ng/mL	Years Post Last Infusion				
			1	2	3	4	5
		n	n	n	n	n	n
Other	<0.3	32	44	42	45	49	
	≥0.3	152	102	82	59	46	
O	<0.3	76	97	105	102	105	
	≥0.3	300	219	150	113	83	

	Years Post Last Infusion				
	1	2	3	4	5
	n	n	n	n	n
Total	<i>FastC-Pep>=0.3ng/mL</i>				
<0.3		108	141	147	154
>=0.3		452	321	232	172
					129

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.6482	0.2042	1.2479 2.0485	8.07	<.0001
yrspli	-0.2406	0.0473	-0.3333 -0.1479	-5.09	<.0001
dbldtypo_	-0.1188	0.2465	-0.6019 0.3643	-0.48	0.6299
yrspli*dbldtypo_	-0.0385	0.0583	-0.1527 0.0757	-0.66	0.5092

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.7563	0.1824	1.3989 2.1137	9.63	<.0001
yrspli	-0.2667	0.0278	-0.3211 -0.2122	-9.60	<.0001
dbldtypo_	-0.2704	0.1928	-0.6482 0.1074	-1.40	0.1607

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.1806	0.4593	0.2804 2.0808	2.57	0.0102
yrspli	-0.2274	0.0923	-0.4083 -0.0466	-2.47	0.0137
dbldtypo_	-0.2974	0.6080	-1.4891 0.8944	-0.49	0.6248
yrspli*dbldtypo_	0.0343	0.1250	-0.2107 0.2793	0.27	0.7836

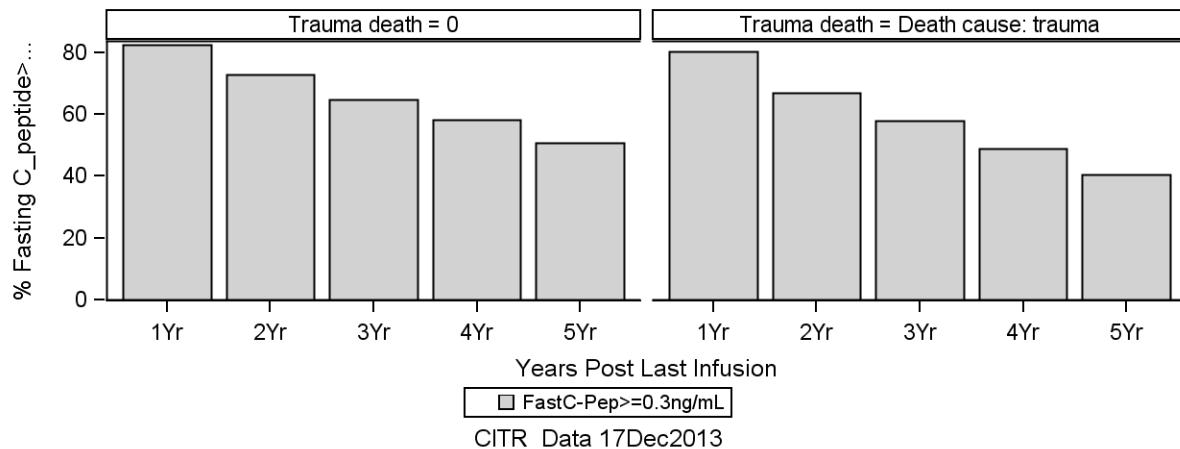
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.0793	0.3465	0.4001	1.7585	3.11	0.0018
yrspli	-0.2049	0.0641	-0.3304	-0.0793	-3.20	0.0014
dbldtypo_	-0.1438	0.2322	-0.5990	0.3114	-0.62	0.5357

Fasting C_peptide>=0.3 ng/mL



Trauma death	FastC-Pep>=0.3ng/mL	Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
0	<0.3	41	53	60	60	62
0	≥0.3	192	141	110	83	64
Death cause: trauma	<0.3	55	79	80	82	86
Death cause: trauma	≥0.3	222	159	110	78	58
Total	FastC-Pep>=0.3ng/mL					
	<0.3	96	132	140	142	148
	≥0.3	414	300	220	161	122

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.7272	0.1892	1.3564 2.0980	9.13	<.0001	
yrspli	-0.2794	0.0442	-0.3660 -0.1928	-6.33	<.0001	
dthcautrau	-0.2528	0.2434	-0.7299 0.2243	-1.04	0.2990	
yrspli*dthcautrau	-0.0029	0.0574	-0.1155 0.1096	-0.05	0.9596	

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.7338	0.1593	1.4215 2.0460	10.88	<.0001	
yrspli	-0.2810	0.0283	-0.3365 -0.2256	-9.93	<.0001	
dthcautrau	-0.2638	0.1822	-0.6209 0.0933	-1.45	0.1476	

Testing at 4-5 yr

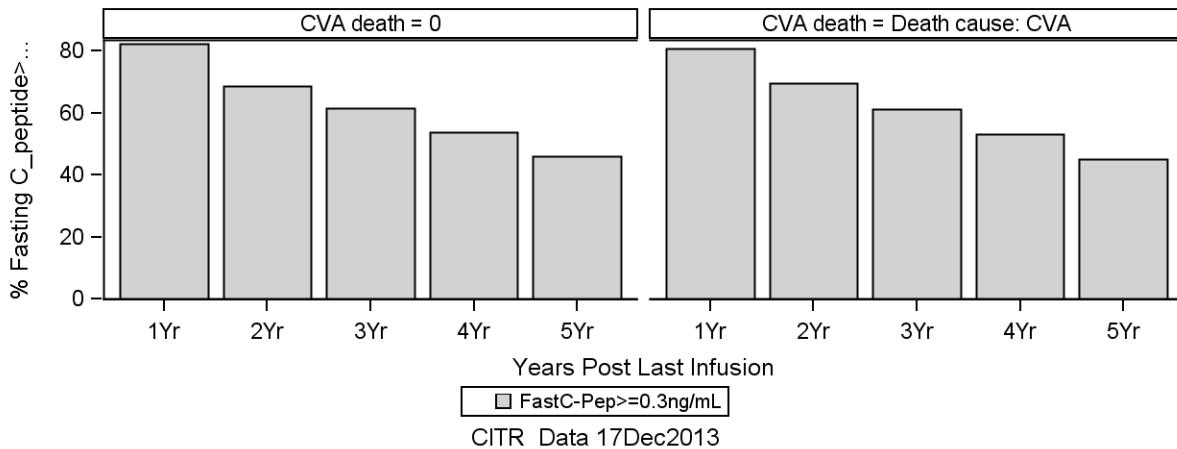
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.0509	0.5032	0.0646 2.0371	2.09	0.0368	
yrspli	-0.1788	0.1063	-0.3870 0.0295	-1.68	0.0925	
dthcautrau	-0.2346	0.6408	-1.4905 1.0214	-0.37	0.7143	
yrspli*dthcautrau	-0.0378	0.1344	-0.3012 0.2255	-0.28	0.7784	

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.1423	0.3382	0.4794 1.8052	3.38	0.0007	
yrspli	-0.1992	0.0661	-0.3288 -0.0696	-3.01	0.0026	
dthcautrau	-0.4031	0.2229	-0.8400 0.0337	-1.81	0.0705	

Fasting C_peptide>=0.3 ng/mL



CITR Data 17Dec2013

		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
CVA death	FastC-Pep>=0.3ng/mL					
0	<0.3	22	31	29	30	33
	>=0.3	102	68	46	35	28
Death cause: CVA	<0.3	74	101	111	112	115
	>=0.3	312	232	174	126	94
Total	FastC-Pep>=0.3ng/mL					
	<0.3	96	132	140	142	148
	>=0.3	414	300	220	161	122

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.6357	0.2457	1.1542 2.1172	6.66	<.0001
yrspli	-0.2476	0.0548	-0.3550 -0.1402	-4.52	<.0001
dthcaucva	-0.0694	0.2809	-0.6199 0.4811	-0.25	0.8048
yrspli*dthcaucva	-0.0403	0.0638	-0.1653 0.0846	-0.63	0.5271

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.7635	0.2129	1.3463	2.1807	8.28	<.0001
yrspli	-0.2788	0.0282	-0.3342	-0.2235	-9.88	<.0001
dthcaucva	-0.2307	0.2180	-0.6579	0.1966	-1.06	0.2900

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.2765	0.6290	0.0438	2.5093	2.03	0.0424
yrspli	-0.2736	0.1291	-0.5265	-0.0207	-2.12	0.0340
dthcaucva	-0.4579	0.7247	-1.8782	0.9624	-0.63	0.5275
yrspli*dthcaucva	0.0984	0.1496	-0.1948	0.3915	0.66	0.5107

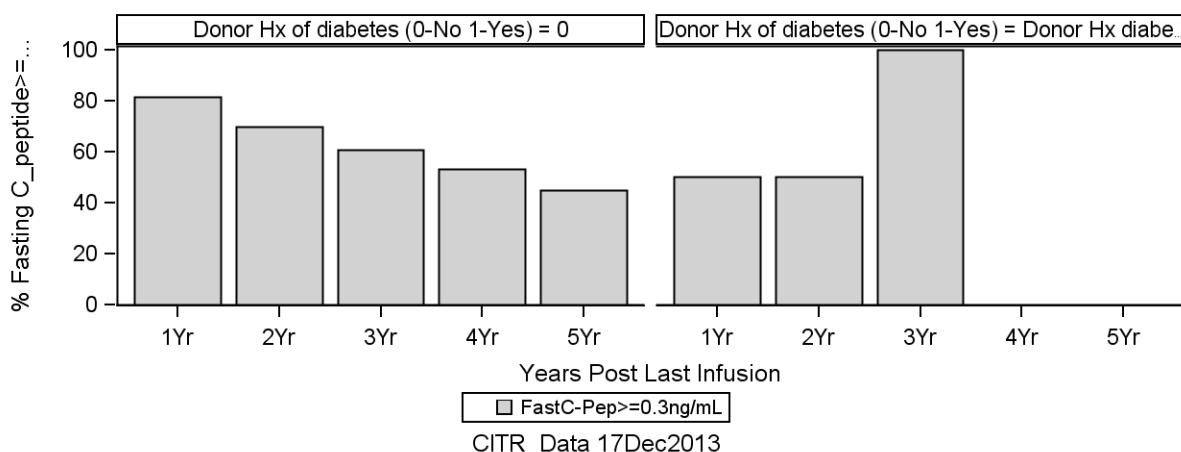
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.9349	0.3789	0.1922	1.6777	2.47	0.0136
yrspli	-0.1974	0.0655	-0.3257	-0.0690	-3.01	0.0026
dthcaucva	-0.0179	0.2697	-0.5465	0.5107	-0.07	0.9471

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Donor Hx of diabetes (0-No 1-Yes)	FastC-Pep>=0.3ng/mL					
0	<0.3		91	125	135	136
	>=0.3		400	290	210	155
Donor Hx diabetes	<0.3		1	1	.	.
	>=0.3		1	1	1	.
Total	FastC-Pep>=0.3ng/mL					
	<0.3		92	126	135	136
	>=0.3		401	291	211	155

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.6059	0.1223	1.3663 1.8455	13.14	<.0001
yrspli	-0.2844	0.0290	-0.3412 -0.2277	-9.82	<.0001
dhdia_b	-1.7315	1.4698	-4.6122 1.1492	-1.18	0.2388
yrspli*dhdia_b	0.3785	0.0472	0.2860 0.4709	8.02	<.0001

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.6044	0.1221	1.3651 1.8438	13.14	<.0001
yrspli	-0.2840	0.0289	-0.3407 -0.2273	-9.82	<.0001
dhdia_b	-1.0677	1.4789	-3.9662 1.8309	-0.72	0.4703

Testing at 4-5 yr

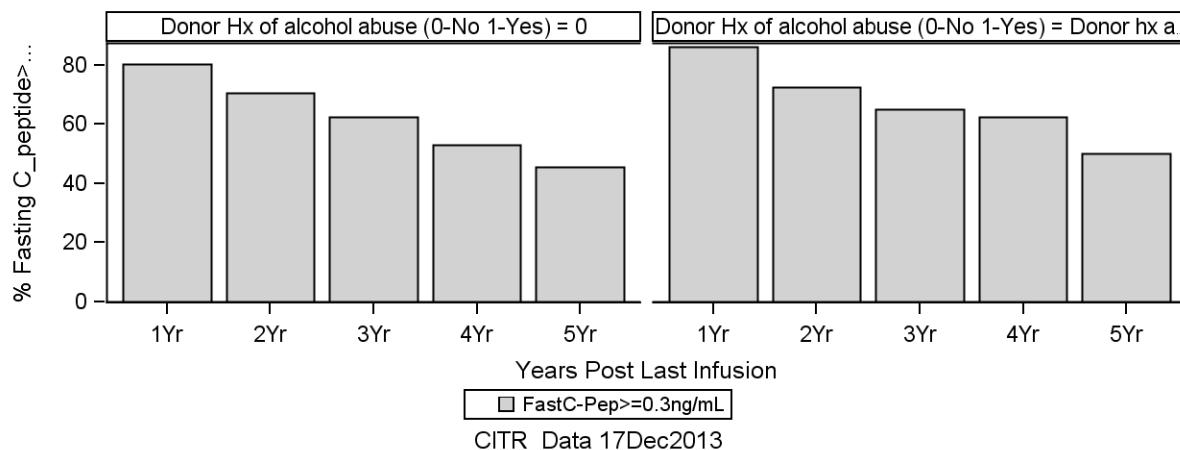
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	0.9683	0.3255	0.3304 1.6062	2.98	0.0029	
yrspli	-0.2079	0.0682	-0.3416 -0.0741	-3.05	0.0023	
dhdiaab_	0.0000	0.0000	0.0000 0.0000	.	.	
yrspli*dhdiaab_	0.0000	0.0000	0.0000 0.0000	.	.	

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	0.9683	0.3255	0.3304 1.6062	2.98	0.0029	
yrspli	-0.2079	0.0682	-0.3416 -0.0741	-3.05	0.0023	
dhdiaab_	0.0000	0.0000	0.0000 0.0000	.	.	

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Donor Hx of alcohol abuse (0-No 1-Yes)	FastC-Pep>=0.3ng/mL					
0	<0.3	61	77	85	89	93
	≥0.3	246	183	141	100	78
Donor hx alcohol	<0.3	16	30	34	32	36
	≥0.3	99	79	63	53	36

	Years Post Last Infusion				
	1	2	3	4	5
	n	n	n	n	n
Total	<i>FastC-Pep>=0.3ng/mL</i>				
<0.3	77	107	119	121	129
=>0.3	345	262	204	153	114

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.5797	0.1546	1.2767 1.8827	10.22	<.0001
yrspli	-0.2809	0.0362	-0.3518 -0.2100	-7.77	<.0001
dhxetoh_	0.2105	0.2972	-0.3720 0.7931	0.71	0.4787
yrspli*dhxetoh_	-0.0218	0.0666	-0.1524 0.1087	-0.33	0.7430

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.6024	0.1443	1.3196 1.8852	11.10	<.0001
yrspli	-0.2869	0.0304	-0.3465 -0.2274	-9.44	<.0001
dhxetoh_	0.1251	0.2228	-0.3116 0.5618	0.56	0.5745

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	0.8572	0.4001	0.0730 1.6413	2.14	0.0322
yrspli	-0.1828	0.0837	-0.3469 -0.0187	-2.18	0.0290
dhxetoh_	0.9015	0.8043	-0.6750 2.4780	1.12	0.2624
yrspli*dhxetoh_	-0.1307	0.1694	-0.4627 0.2013	-0.77	0.4403

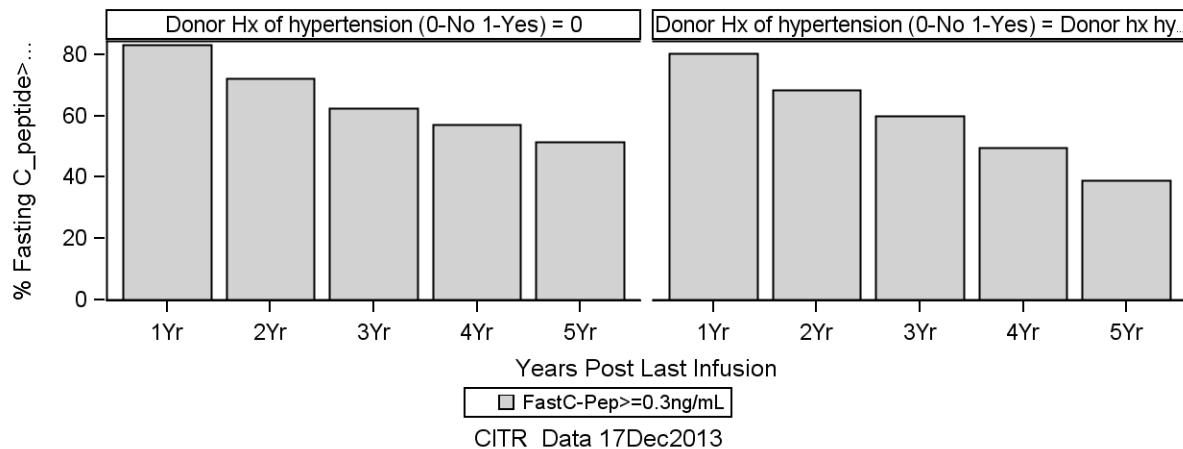
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.0308	0.3569	0.3312	1.7303	2.89	0.0039
yrspli	-0.2218	0.0733	-0.3654	-0.0782	-3.03	0.0025
dhxetoh_	0.3151	0.2527	-0.1802	0.8104	1.25	0.2124

Fasting C_peptide>=0.3 ng/mL



CITR Data 17Dec2013

		Years Post Last Infusion				
		1	2	3	4	5
		<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>
<i>Donor Hx of hypertension (0-No 1-Yes)</i>	<i>FastC-Pep>=0.3ng/mL</i>					
0	<0.3	39	51	54	51	51
	≥0.3	191	131	90	68	54
<i>Donor hx hypertension</i>	<i>FastC-Pep>=0.3ng/mL</i>					
	<0.3	49	71	76	81	87
	≥0.3	200	152	114	79	55
<i>Total</i>	<i>FastC-Pep>=0.3ng/mL</i>					
	<0.3	88	122	130	132	138
	≥0.3	391	283	204	147	109

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.6476	0.1829	1.2892 2.0061	9.01	<.0001	
yrspli	-0.2207	0.0427	-0.3044 -0.1369	-5.16	<.0001	
dhxhyper_	-0.0375	0.2518	-0.5310 0.4560	-0.15	0.8816	
yrspli*dhxhyper_	-0.1131	0.0596	-0.2300 0.0038	-1.90	0.0580	

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.9280	0.1800	1.5752 2.2808	10.71	<.0001	
yrspli	-0.2862	0.0307	-0.3464 -0.2260	-9.32	<.0001	
dhxhyper_	-0.4918	0.1928	-0.8697 -0.1139	-2.55	0.0107	

Testing at 4-5 yr

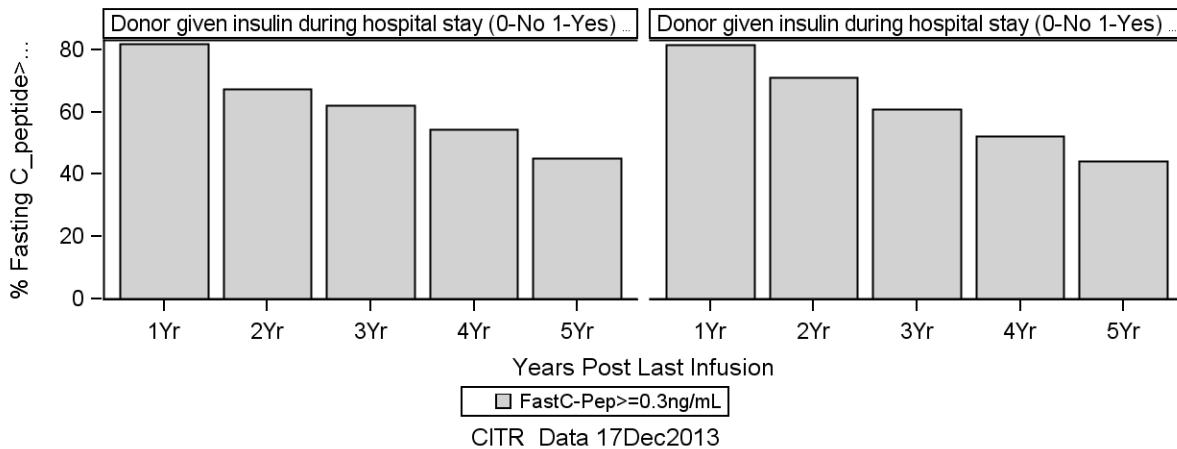
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	0.6994	0.4615	-0.2050 1.6039	1.52	0.1296	
yrspli	-0.0997	0.0950	-0.2858 0.0865	-1.05	0.2940	
dhxhyper_	0.5055	0.6688	-0.8054 1.8164	0.76	0.4497	
yrspli*dhxhyper_	-0.2078	0.1405	-0.4833 0.0676	-1.48	0.1392	

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.2363	0.3732	0.5048 1.9678	3.31	0.0009	
yrspli	-0.2193	0.0722	-0.3609 -0.0778	-3.04	0.0024	
dhxhyper_	-0.4207	0.2346	-0.8806 0.0391	-1.79	0.0729	

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Donor given insulin during hospital stay (0-No)	FastC-Pep >= 0.3 ng/mL					
0	<0.3	31	48	49	52	56
	>=0.3	139	98	80	62	46
Donor given insulin	<0.3	53	70	74	73	75
	>=0.3	231	170	114	80	59
Total	FastC-Pep >= 0.3 ng/mL					
	<0.3	84	118	123	125	131
	>=0.3	370	268	194	142	105

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.5829	0.1983	1.1943	1.9715	7.98	<.0001
yrspli	-0.2985	0.0460	-0.3888	-0.2083	-6.49	<.0001
dinsulin_	0.0333	0.2589	-0.4742	0.5407	0.13	0.8978
yrspli*dinsulin_	0.0218	0.0609	-0.0977	0.1412	0.36	0.7206

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.5353	0.1756	1.1912	1.8793	8.75	<.0001
yrspli	-0.2858	0.0302	-0.3450	-0.2266	-9.46	<.0001
dinsulin_	0.1151	0.1982	-0.2734	0.5036	0.58	0.5615

Testing at 4-5 yr

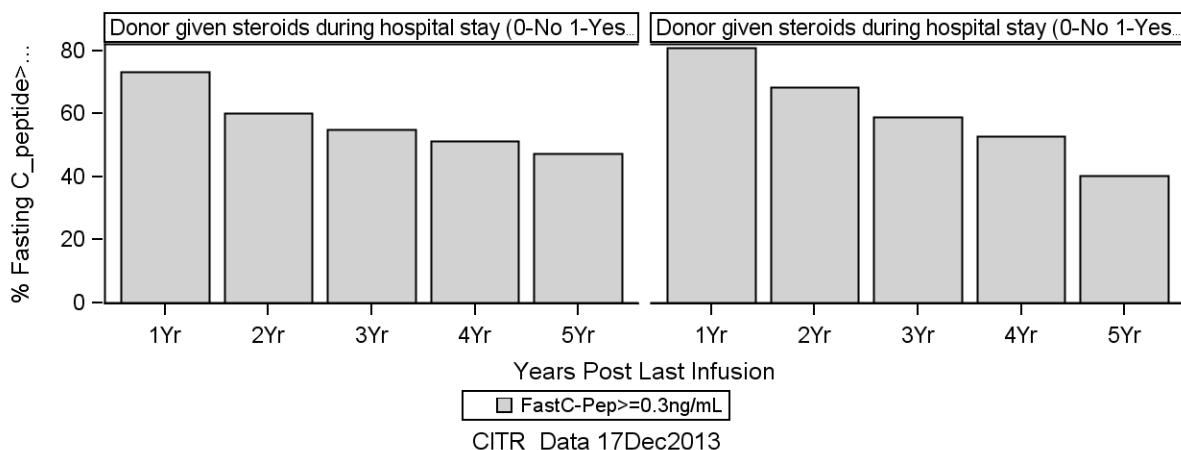
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.9336	0.3936	0.1622	1.7051	2.37	0.0177
yrspli	-0.1894	0.0771	-0.3405	-0.0383	-2.46	0.0140
dinsulin_	0.1886	0.6743	-1.1330	1.5102	0.28	0.7797
yrspli*dinsulin_	-0.0652	0.1410	-0.3416	0.2112	-0.46	0.6436

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.0995	0.3833	0.3483	1.8507	2.87	0.0041
yrspli	-0.2266	0.0748	-0.3732	-0.0800	-3.03	0.0025
dinsulin_	-0.1019	0.2389	-0.5702	0.3664	-0.43	0.6698

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Donor given steroids during hospital stay (0-No 1-Yes)	FastC-Pep>=0.3ng/mL					
0	<0.3	25	34	38	38	37
	≥0.3	68	51	46	40	33
Donor given steroid	<0.3	38	56	59	59	68
	≥0.3	160	120	84	66	46
Total	FastC-Pep>=0.3ng/mL					
	<0.3	63	90	97	97	105
	≥0.3	228	171	130	106	79

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.0053	0.2291	0.5562 1.4543	4.39	<.0001
yrspli	-0.2087	0.0503	-0.3072 -0.1101	-4.15	<.0001
dsteroid_	0.5965	0.2980	0.0125 1.1805	2.00	0.0453
yrspli*dsteroid_	-0.1019	0.0663	-0.2319 0.0281	-1.54	0.1244

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.2175	0.2210	0.7844 1.6507	5.51	<.0001
yrspli	-0.2715	0.0327	-0.3356 -0.2073	-8.29	<.0001
dsteroid_	0.2437	0.2461	-0.2386 0.7260	0.99	0.3221

Testing at 4-5 yr

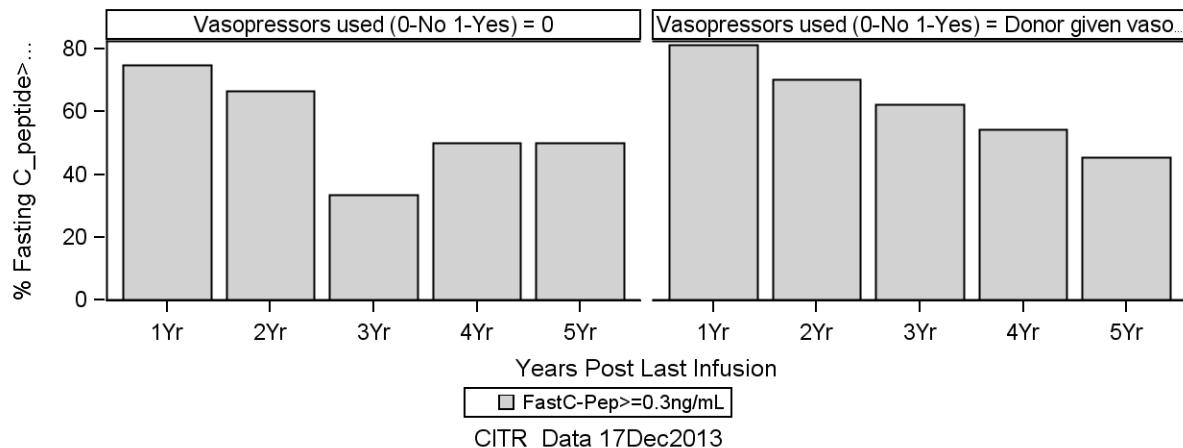
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	0.1237	0.4238	-0.7069 0.9544	0.29	0.7703	
yrspli	-0.0181	0.0808	-0.1766 0.1403	-0.22	0.8227	
dsteroid_	1.4923	0.6640	0.1908 2.7938	2.25	0.0246	
yrspli*dsteroid_	-0.3538	0.1344	-0.6173 -0.0904	-2.63	0.0085	

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.0981	0.4007	0.3128 1.8834	2.74	0.0061	
yrspli	-0.2367	0.0740	-0.3817 -0.0917	-3.20	0.0014	
dsteroid_	-0.0837	0.2813	-0.6350 0.4676	-0.30	0.7661	

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Vasopressors used (0-No 1-Yes)	FastC-Pep>=0.3ng/mL					
0	<0.3	1	1	2	1	1
	>=0.3	3	2	1	1	1
Donor given vasopressors	<0.3	82	115	126	131	140
	>=0.3	357	272	209	156	116

		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Total						
	FastC-Pep>=0.3ng/mL					
<0.3		83	116	128	132	141
>=0.3		360	274	210	157	117

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	0.8630	0.9961	-1.0893 2.8152	0.87	0.3863
yrspli	-0.0386	0.0289	-0.0952 0.0180	-1.34	0.1815
dvasos_	0.7539	1.0044	-1.2146 2.7225	0.75	0.4529
yrspli*dvasos_	-0.2535	0.0415	-0.3348 -0.1723	-6.12	<.0001

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.9017	0.7849	0.3633 3.4400	2.42	0.0154
yrspli	-0.2897	0.0296	-0.3476 -0.2318	-9.80	<.0001
dvasos_	-0.2940	0.7762	-1.8154 1.2275	-0.38	0.7049

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	0.0000	1.4142	-2.7718 2.7718	0.00	1.0000
yrspli	-0.0000	0.0000	-0.0000 -0.0000	.	.
dvasos_	1.0875	1.4537	-1.7617 3.9367	0.75	0.4544
yrspli*dvasos_	-0.2267	0.0707	-0.3652 -0.0882	-3.21	0.0013

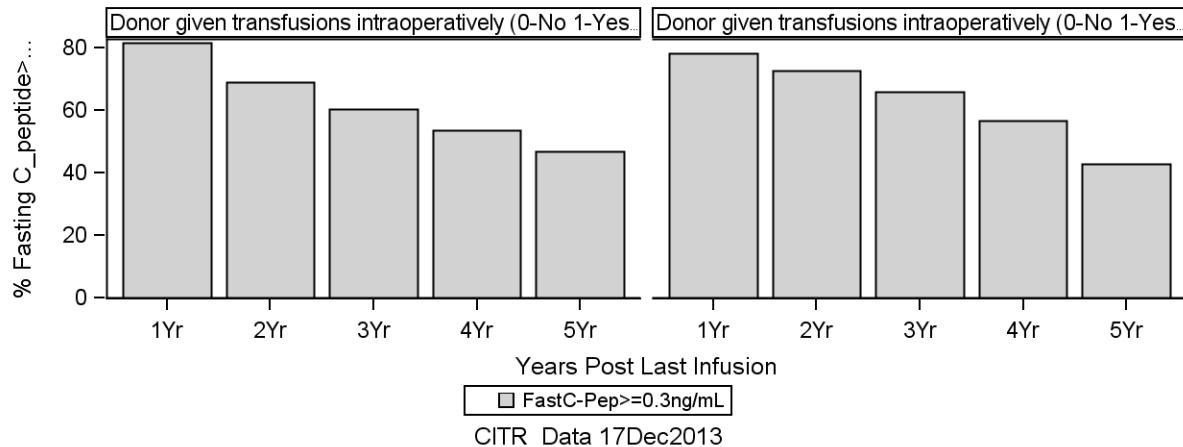
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

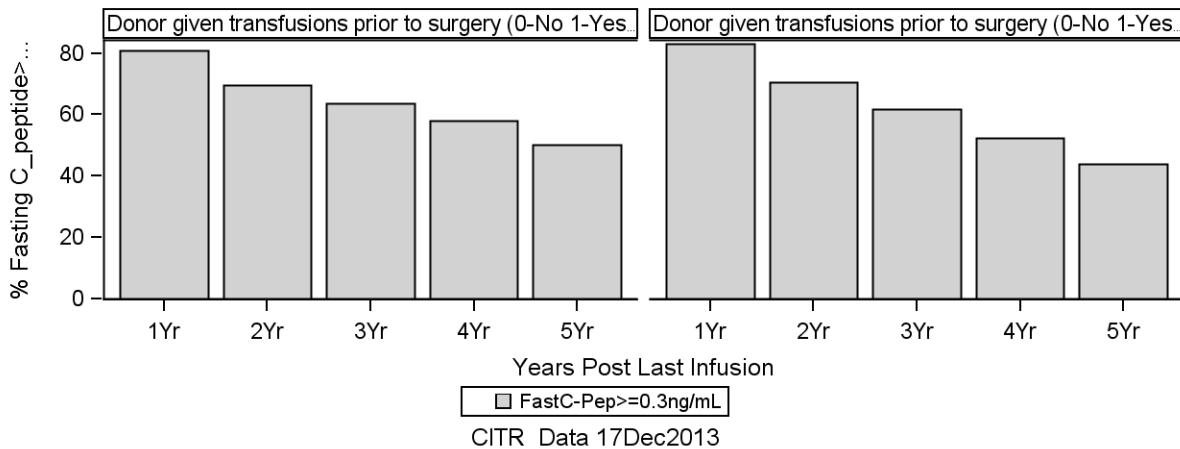
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.0135	1.4534	-1.8351	3.8621	0.70	0.4856
yrspli	-0.2252	0.0701	-0.3627	-0.0878	-3.21	0.0013
dvasos_	0.0673	1.4232	-2.7221	2.8568	0.05	0.9623

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion					
		1	2	3	4	5	
		n	n	n	n	n	
<i>Donor given transfusions intraoperatively (0-No 1-Yes)</i>							
0		<0.3	59	90	100	104	108
		≥0.3	260	198	152	120	95
<i>Donor intra-hospital transfusion</i>							
		<0.3	9	11	12	13	16
		≥0.3	32	29	23	17	12
<i>Total</i>		<i>FastC-Pep>=0.3ng/mL</i>					
		<0.3	68	101	112	117	124
		≥0.3	292	227	175	137	107

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>Donor given transfusions prior to surgery (0-No 1-Yes)</i>						
0	<0.3	39	51	55	53	55
	>=0.3	164	117	96	73	55
<i>Donor prior transfusion</i>						
	<0.3	34	55	62	68	73
	>=0.3	166	132	100	75	57
<i>Total</i>						
	<i>FastC-Pep>=0.3ng/mL</i>					
	<0.3	73	106	117	121	128
	>=0.3	330	249	196	148	112

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.5503	0.1914	1.1751 1.9255	8.10	<.0001
yrspli	-0.2362	0.0424	-0.3193 -0.1531	-5.57	<.0001
dpriortran_	0.1449	0.2696	-0.3834 0.6733	0.54	0.5908
yrspli*dpriortran_	-0.0884	0.0613	-0.2085 0.0317	-1.44	0.1489

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.7410	0.1795	1.3892	2.0928	9.70	<.0001
yrspli	-0.2834	0.0310	-0.3443	-0.2226	-9.13	<.0001
dpriortran_	-0.2049	0.2012	-0.5992	0.1894	-1.02	0.3085

Testing at 4-5 yr

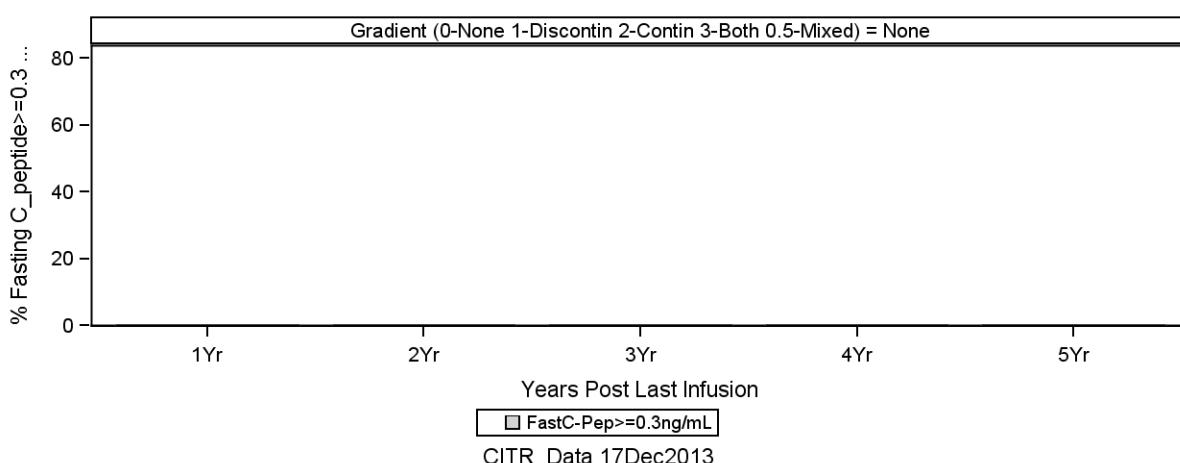
The GENMOD Procedure

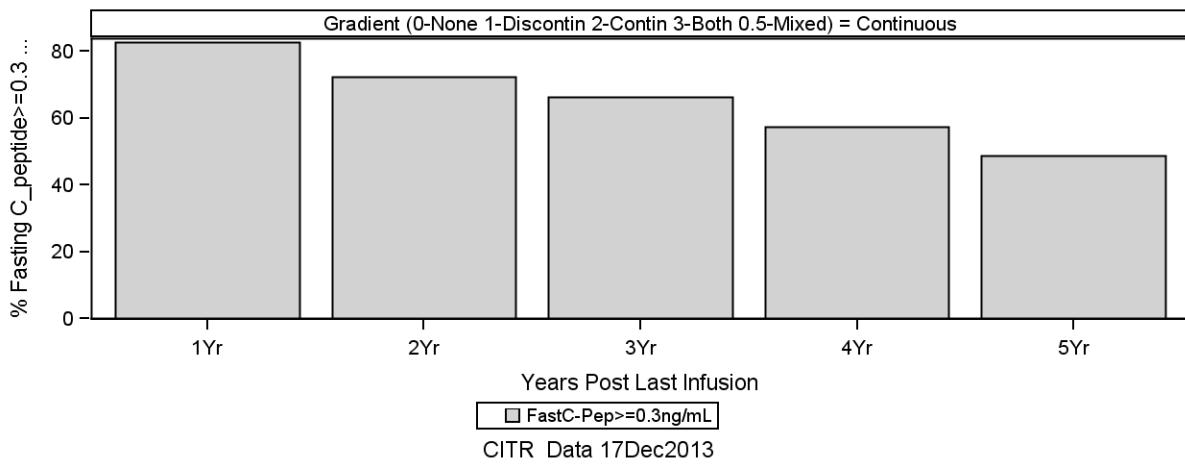
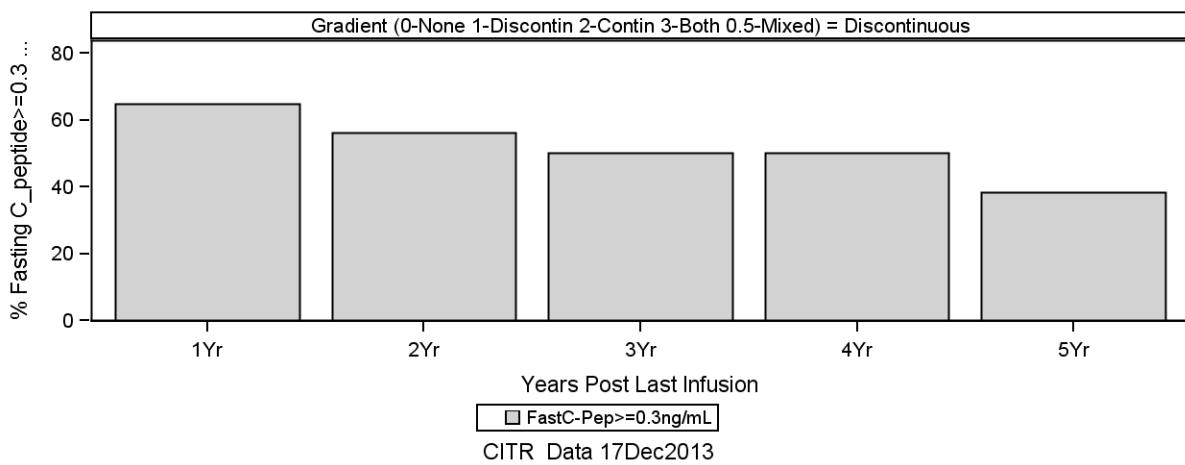
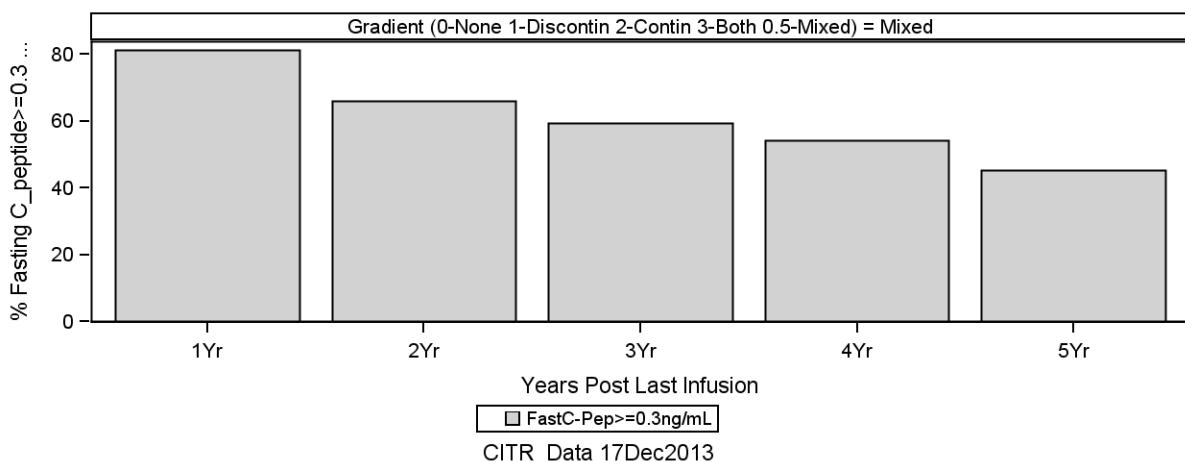
Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1467	0.6151	-0.0589	2.3523	1.86	0.0623
yrspli	-0.2034	0.1321	-0.4624	0.0556	-1.54	0.1237
dpriortran_	-0.2196	0.7173	-1.6254	1.1862	-0.31	0.7594
yrspli*dpriortran_	-0.0039	0.1513	-0.3004	0.2926	-0.03	0.9796

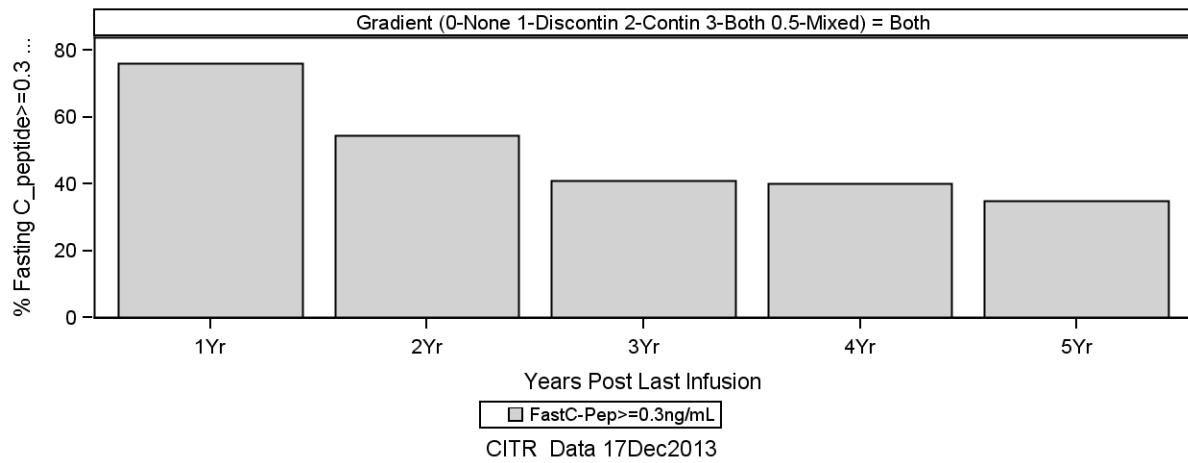
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1573	0.3648	0.4423	1.8723	3.17	0.0015
yrspli	-0.2058	0.0722	-0.3474	-0.0642	-2.85	0.0044
dpriortran_	-0.2370	0.2352	-0.6980	0.2241	-1.01	0.3138

Fasting C_peptide>=0.3 ng/mL







		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Gradient (0-None 1-Discontin 2-Contin 3-Both 0.5-Mixed)						
<i>None</i>	<0.3	1	1	1	1	1
<i>Mixed</i>	<0.3	8	14	15	16	17
	≥0.3	35	27	22	19	14
<i>Discontinuous</i>	<0.3	6	7	8	7	8
	≥0.3	11	9	8	7	5
<i>Continuous</i>	<0.3	59	81	86	91	96
	≥0.3	282	213	168	122	91
<i>Both</i>	<0.3	6	10	13	12	13
	≥0.3	19	12	9	8	7
<i>Total</i>	<i>FastC-Pep>=0.3ng/mL</i>					
	<0.3	80	113	123	127	135
	≥0.3	347	261	207	156	117

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
<i>Intercept</i>	1.2976	0.4439	0.4276 2.1676	2.92	0.0035
<i>yrspli</i>	-0.2290	0.0901	-0.4056 -0.0524	-2.54	0.0111
<i>gradtype_</i>	0.1613	0.2314	-0.2923 0.6148	0.70	0.4858
<i>yrspli*gradtype_</i>	-0.0312	0.0475	-0.1244 0.0619	-0.66	0.5110

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.5193	0.3746	0.7850	2.2536	4.06	<.0001
yrspli	-0.2862	0.0296	-0.3442	-0.2281	-9.66	<.0001
gradtype_	0.0409	0.1860	-0.3235	0.4054	0.22	0.8258

Testing at 4-5 yr

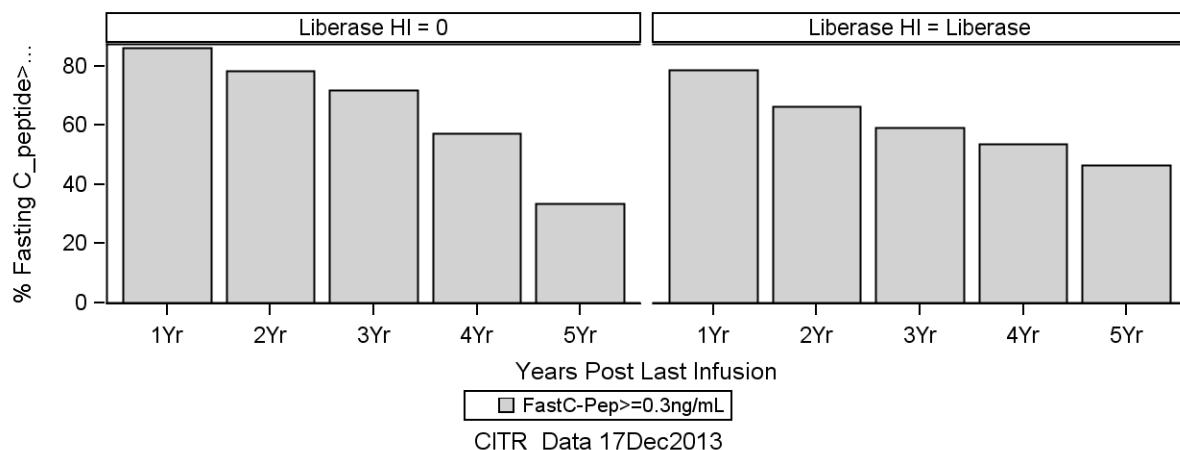
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.4064	0.9287	-0.4138	3.2267	1.51	0.1299
yrspli	-0.2869	0.1873	-0.6540	0.0801	-1.53	0.1255
gradtype_	-0.1868	0.4778	-1.1232	0.7495	-0.39	0.6957
yrspli*gradtype_	0.0403	0.0961	-0.1481	0.2287	0.42	0.6749

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.0763	0.4803	0.1349	2.0177	2.24	0.0250
yrspli	-0.2133	0.0703	-0.3510	-0.0756	-3.04	0.0024
gradtype_	-0.0062	0.1885	-0.3756	0.3632	-0.03	0.9739

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Liberase HI	FastC-Pep>=0.3ng/mL					
0	<0.3		17	19	17	15
	>=0.3		105	69	43	20
Liberase	<0.3		68	100	114	119
	>=0.3		250	197	165	138
Total	FastC-Pep>=0.3ng/mL					
	<0.3		85	119	131	134
	>=0.3		355	266	208	158
						118

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	2.0663	0.3346	1.4104 2.7222	6.17	<.0001
yrspli	-0.2321	0.0877	-0.4040 -0.0602	-2.65	0.0081
liberase_	-0.6966	0.3609	-1.4040 0.0108	-1.93	0.0536
yrspli*liberase_	-0.0481	0.0927	-0.2298 0.1336	-0.52	0.6042

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	2.2177	0.2252	1.7764 2.6590	9.85	<.0001
yrspli	-0.2745	0.0286	-0.3305 -0.2186	-9.62	<.0001
liberase_	-0.8686	0.2304	-1.3202 -0.4171	-3.77	0.0002

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	2.1185	1.6329	-1.0819	5.3189	1.30	0.1945
yrspli	-0.4577	0.3669	-1.1767	0.2613	-1.25	0.2122
liberase_	-1.2250	1.6643	-4.4869	2.0368	-0.74	0.4617
yrspli*liberase_	0.2731	0.3728	-0.4576	1.0038	0.73	0.4639

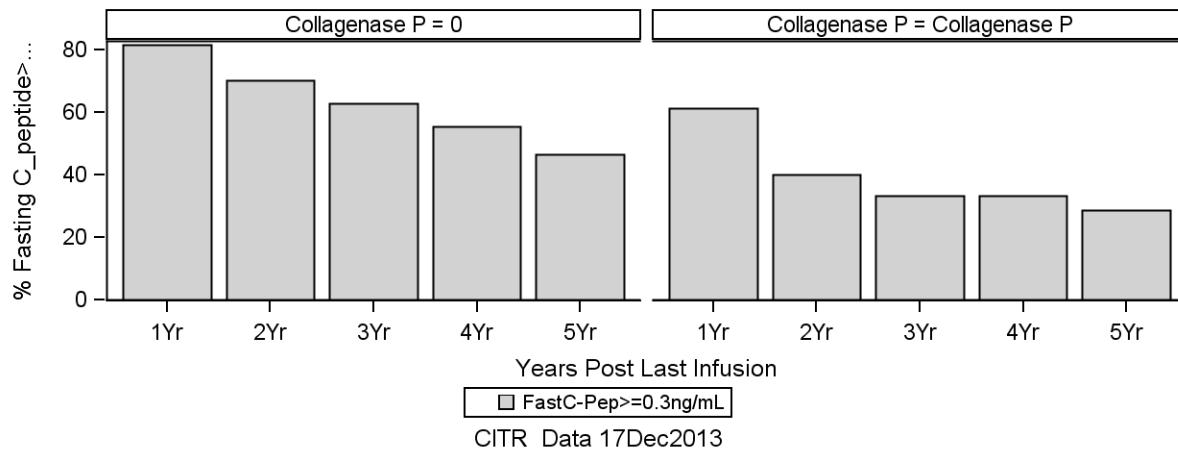
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.0367	0.4328	0.1884	1.8850	2.40	0.0166
yrspli	-0.2075	0.0680	-0.3409	-0.0742	-3.05	0.0023
liberase_	-0.0408	0.3378	-0.7029	0.6213	-0.12	0.9039

Fasting C_peptide>=0.3 ng/mL



Collagenase P	FastC-Pep>=0.3ng/mL	Years Post Last Infusion				
		1	2	3	4	5
n	n	n	n	n	n	n
0	<0.3	78	110	121	124	132
	>=0.3	344	260	203	153	114
Collagenase P	<0.3	7	9	10	10	10
	>=0.3	11	6	5	5	4

		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Total	FastC-Pep>=0.3ng/mL					
<0.3		85	119	131	134	142
=0.3		355	266	208	158	118

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.6177	0.1314	1.3602 1.8753	12.31	<.0001
yrspli	-0.2856	0.0301	-0.3446 -0.2266	-9.48	<.0001
collagenasep_	-1.1996	0.4702	-2.1212 -0.2780	-2.55	0.0107
yrspli*collagenasep_	0.0120	0.1294	-0.2416 0.2656	0.09	0.9262

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.6154	0.1298	1.3611 1.8697	12.45	<.0001
yrspli	-0.2850	0.0293	-0.3424 -0.2276	-9.73	<.0001
collagenasep_	-1.1807	0.4372	-2.0375 -0.3238	-2.70	0.0069

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.0876	0.3428	0.4156 1.7595	3.17	0.0015
yrspli	-0.2178	0.0720	-0.3588 -0.0767	-3.03	0.0025
collagenasep_	-1.6585	0.6591	-2.9503 -0.3668	-2.52	0.0119
yrspli*collagenasep_	0.1872	0.0777	0.0349 0.3396	2.41	0.0160

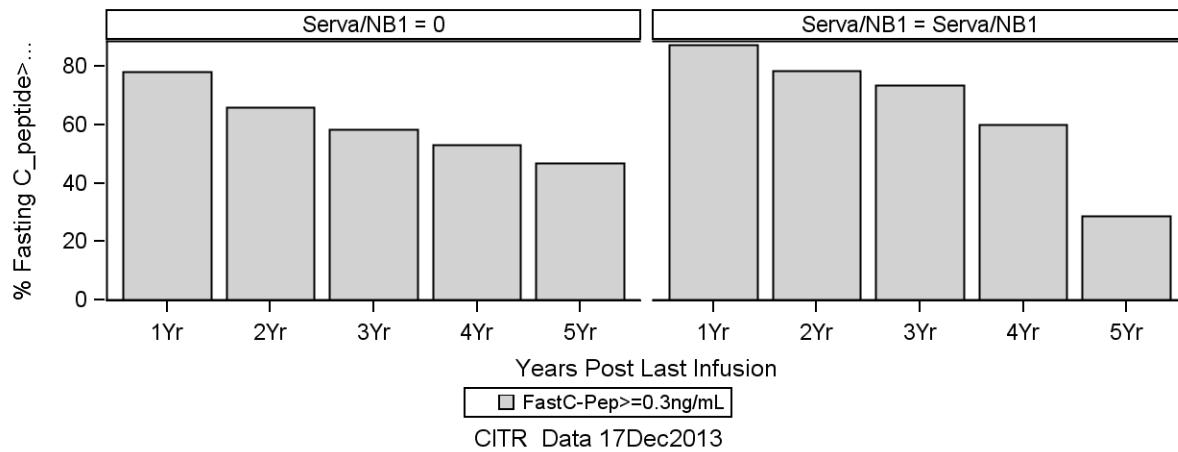
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.0502	0.3287	0.4060	1.6944	3.20	0.0014
yrspli	-0.2094	0.0686	-0.3439	-0.0750	-3.05	0.0023
collagenasep_	-0.8448	0.5597	-1.9417	0.2521	-1.51	0.1312

Fasting C_peptide>=0.3 ng/mL



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		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Serva/NB1	FastC-Pep>=0.3ng/mL					
0	<0.3	70	99	113	118	127
	≥0.3	251	193	158	134	112
Serva/NB1	<0.3	15	20	18	16	15
	≥0.3	104	73	50	24	6
Total	FastC-Pep>=0.3ng/mL					
	<0.3	85	119	131	134	142
	≥0.3	355	266	208	158	118

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.3726	0.1378	1.1024	1.6427	9.96	<.0001
<i>yrspli</i>	-0.2734	0.0301	-0.3324	-0.2144	-9.09	<.0001
<i>servanb1_</i>	0.7719	0.3431	0.0994	1.4444	2.25	0.0245
<i>yrspli*servanb1_</i>	-0.0379	0.0924	-0.2190	0.1431	-0.41	0.6814

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.3887	0.1355	1.1231	1.6543	10.25	<.0001
<i>yrspli</i>	-0.2778	0.0285	-0.3336	-0.2220	-9.76	<.0001
<i>servanb1_</i>	0.6464	0.2306	0.1945	1.0983	2.80	0.0051

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	0.8518	0.3222	0.2202	1.4834	2.64	0.0082
<i>yrspli</i>	-0.1794	0.0664	-0.3095	-0.0493	-2.70	0.0069
<i>servanb1_</i>	1.5092	1.6578	-1.7400	4.7583	0.91	0.3626
<i>yrspli*servanb1_</i>	-0.3095	0.3726	-1.0397	0.4208	-0.83	0.4062

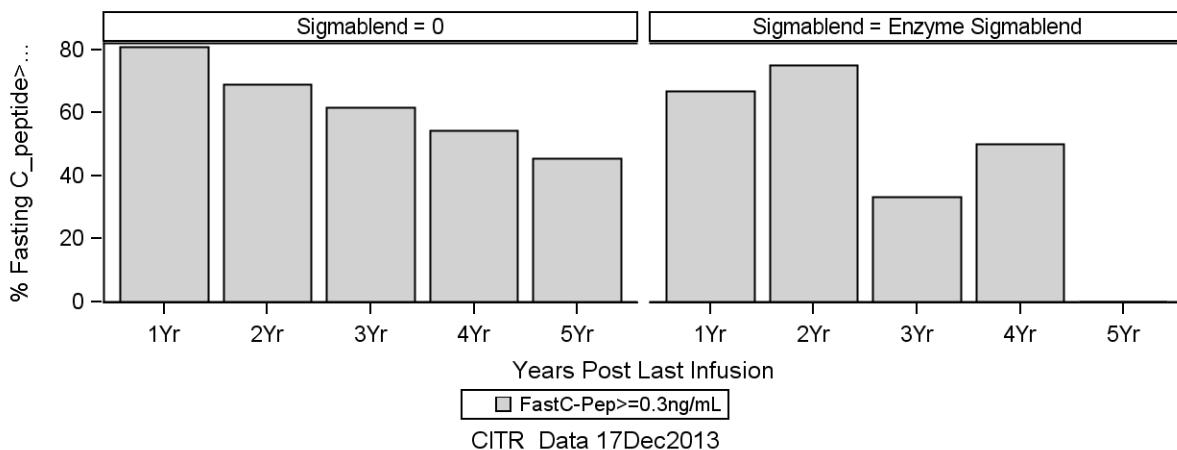
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	0.9703	0.3296	0.3243	1.6163	2.94	0.0032
<i>yrspli</i>	-0.2059	0.0681	-0.3393	-0.0724	-3.02	0.0025
<i>servanb1_</i>	0.1720	0.3223	-0.4598	0.8038	0.53	0.5936

Fasting C_peptide>=0.3 ng/mL



Sigmablend	FastC-Pep>=0.3ng/mL	Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
0	<0.3	84	118	129	133	141
0	>=0.3	353	263	207	157	118
Enzyme Sigmablend	<0.3	1	1	2	1	1
Enzyme Sigmablend	>=0.3	2	3	1	1	.
Total	FastC-Pep>=0.3ng/mL					
	<0.3	85	119	131	134	142
	>=0.3	355	266	208	158	118

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.5578	0.1263	1.3102 1.8055	12.33	<.0001
yrspli	-0.2821	0.0289	-0.3387 -0.2255	-9.77	<.0001
sigma_	-0.3428	1.3870	-3.0613 2.3758	-0.25	0.8048
yrspli*sigma_	0.0290	0.3001	-0.5591 0.6172	0.10	0.9229

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.5571	0.1261	1.3100	1.8042	12.35	<.0001
<i>yrspli</i>	-0.2819	0.0288	-0.3383	-0.2255	-9.80	<.0001
<i>sigma_</i>	-0.2603	0.8317	-1.8905	1.3699	-0.31	0.7543

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.5418	.	.	.	.	.
<i>yrspli</i>	-0.3440	.	.	.	.	.
<i>sigma_</i>	83.9188	.	.	.	.	.
<i>yrspli*sigma_</i>	-21.0212	.	.	.	.	.

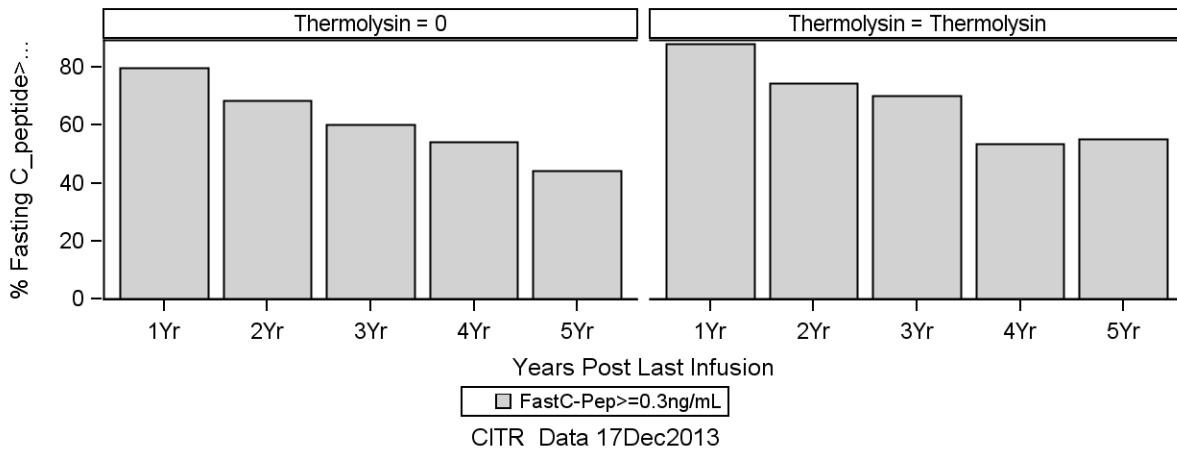
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.0043	0.3251	0.3670	1.6416	3.09	0.0020
<i>yrspli</i>	-0.2080	0.0680	-0.3414	-0.0747	-3.06	0.0022
<i>sigma_</i>	-0.1924	1.3864	-2.9098	2.5250	-0.14	0.8896

Fasting C_peptide>=0.3 ng/mL



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		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>Thermolysin</i> <i>FastC-Pep>=0.3ng/mL</i>						
0	<0.3		79	108	119	120
	≥0.3		311	234	180	142
<i>Thermolysin</i>	<0.3		6	11	12	14
	≥0.3		44	32	28	16
<i>Total</i>	<i>FastC-Pep>=0.3ng/mL</i>					
	<0.3		85	119	131	134
	≥0.3		355	266	208	158
						118

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.5047	0.1321	1.2458 1.7636	11.39	<.0001
yrspli	-0.2757	0.0302	-0.3349 -0.2166	-9.14	<.0001
themolysin_	0.4894	0.4309	-0.3552 1.3340	1.14	0.2561
yrspli*themolysin_	-0.0666	0.0997	-0.2621 0.1288	-0.67	0.5040

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.5288	0.1304	1.2732 1.7844	11.72	<.0001	
yrspli	-0.2822	0.0288	-0.3386 -0.2259	-9.82	<.0001	
themolysin_	0.2282	0.3069	-0.3733 0.8297	0.74	0.4571	

Testing at 4-5 yr

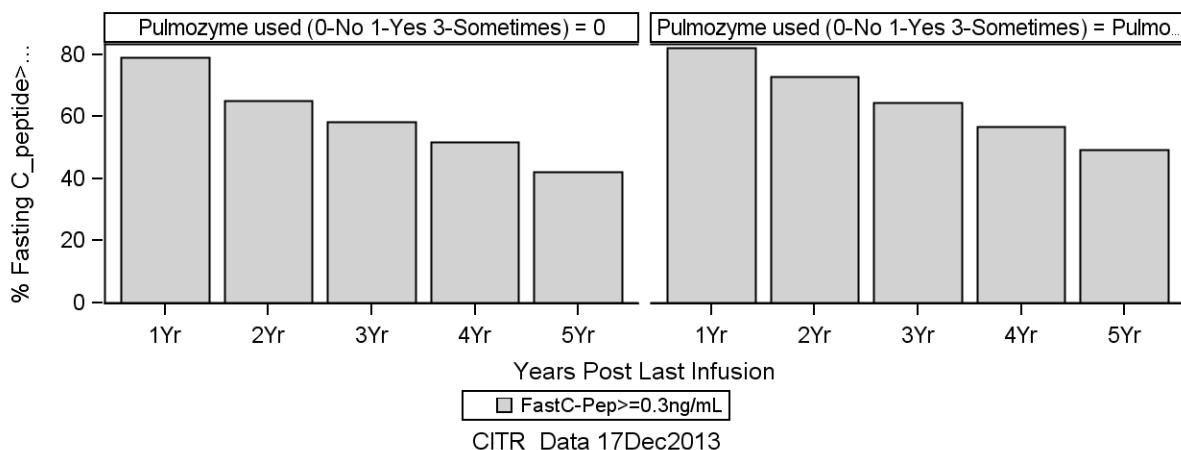
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.1743	0.3361	0.5155 1.8331	3.49	0.0005	
yrspli	-0.2498	0.0701	-0.3871 -0.1124	-3.56	0.0004	
themolysin_	-1.5615	1.1750	-3.8645 0.7415	-1.33	0.1839	
yrspli*themolysin_	0.3800	0.2498	-0.1097 0.8696	1.52	0.1283	

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	0.9892	0.3271	0.3482 1.6303	3.02	0.0025	
yrspli	-0.2083	0.0681	-0.3417 -0.0749	-3.06	0.0022	
themolysin_	0.1530	0.3683	-0.5689 0.8748	0.42	0.6779	

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>Pulmozyme used (0-No 1-Yes 3-Sometimes)</i>		<i>FastC-Pep>=0.3ng/mL</i>				
0	<0.3	41	62	69	72	80
	≥0.3	154	115	96	77	58
<i>Pulmozyme</i>		<i>FastC-Pep>=0.3ng/mL</i>				
	<0.3	44	57	62	62	62
	≥0.3	201	151	112	81	60
<i>Total</i>		<i>FastC-Pep>=0.3ng/mL</i>				
	<0.3	85	119	131	134	142
	≥0.3	355	266	208	158	118

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.4533	0.1784	1.1036 1.8029	8.15	<.0001
yrspli	-0.3141	0.0404	-0.3932 -0.2349	-7.77	<.0001
pulmozyme_	0.1776	0.2511	-0.3146 0.6698	0.71	0.4794
yrspli*pulmozyme_	0.0683	0.0575	-0.0445 0.1810	1.19	0.2352

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.3380	0.1564	1.0315 1.6444	8.56	<.0001
yrspli	-0.2813	0.0291	-0.3383 -0.2244	-9.68	<.0001
pulmozyme_	0.4326	0.1914	0.0575 0.8078	2.26	0.0238

Testing at 4-5 yr

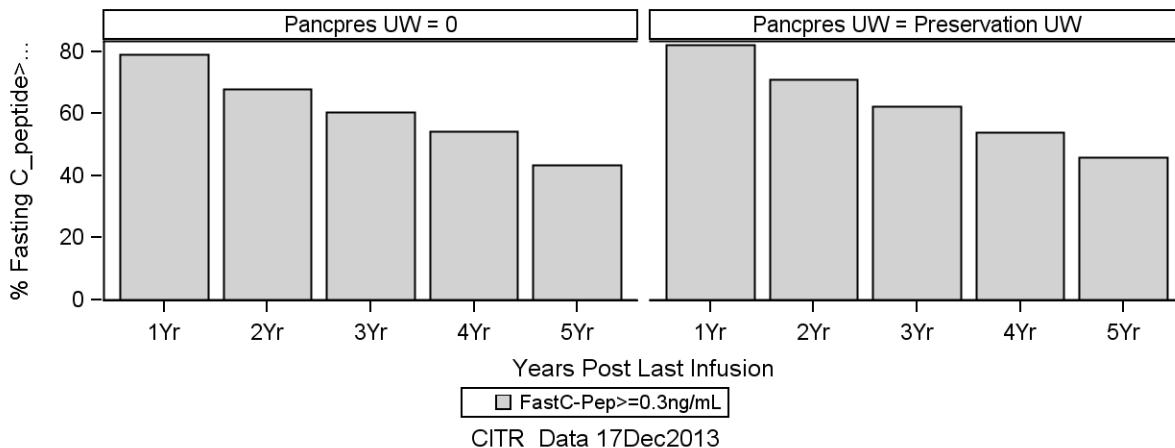
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1018	0.3941	0.3294	1.8742	2.80	0.0052
yrspli	-0.2555	0.0803	-0.4128	-0.0982	-3.18	0.0015
pulmozyme_	-0.2162	0.6605	-1.5107	1.0783	-0.33	0.7434
yrspli*pulmozyme_	0.1009	0.1388	-0.1712	0.3731	0.73	0.4673

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.8905	0.3446	0.2151	1.5659	2.58	0.0098
yrspli	-0.2081	0.0682	-0.3419	-0.0744	-3.05	0.0023
pulmozyme_	0.2340	0.2258	-0.2085	0.6766	1.04	0.3000

Fasting C_peptide>=0.3 ng/mL



Pancres UW	FastC-Pep>=0.3ng/mL	Years Post Last Infusion				
		1	2	3	4	5
n	n	n	n	n	n	n
0	<0.3	58	66	59	56	59
	>=0.3	218	139	90	66	45
Preservation UW	<0.3	56	83	96	100	106
	>=0.3	256	201	159	117	90

		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>Total</i>		<i>FastC-Pep>=0.3ng/mL</i>				
	<0.3		114	149	155	156
	≥ 0.3		474	340	249	183
						135

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
			Lower	Upper		
<i>Intercept</i>	1.4762	0.1702	1.1426	1.8098	8.67	<.0001
<i>yrspli</i>	-0.2172	0.0444	-0.3042	-0.1301	-4.89	<.0001
<i>pancpres_uw</i>	0.1600	0.2259	-0.2827	0.6027	0.71	0.4786
<i>yrspli*pancpres_uw</i>	-0.0875	0.0559	-0.1971	0.0220	-1.57	0.1174

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
			Lower	Upper		
<i>Intercept</i>	1.6658	0.1480	1.3758	1.9558	11.26	<.0001
<i>yrspli</i>	-0.2714	0.0270	-0.3244	-0.2184	-10.04	<.0001
<i>pancpres_uw</i>	-0.1555	0.1681	-0.4850	0.1741	-0.92	0.3552

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
			Lower	Upper		
<i>Intercept</i>	1.4938	0.6072	0.3037	2.6839	2.46	0.0139
<i>yrspli</i>	-0.3286	0.1307	-0.5848	-0.0724	-2.51	0.0119
<i>pancpres_uw</i>	-0.5942	0.6957	-1.9577	0.7692	-0.85	0.3930
<i>yrspli*pancpres_uw</i>	0.1429	0.1481	-0.1474	0.4333	0.96	0.3346

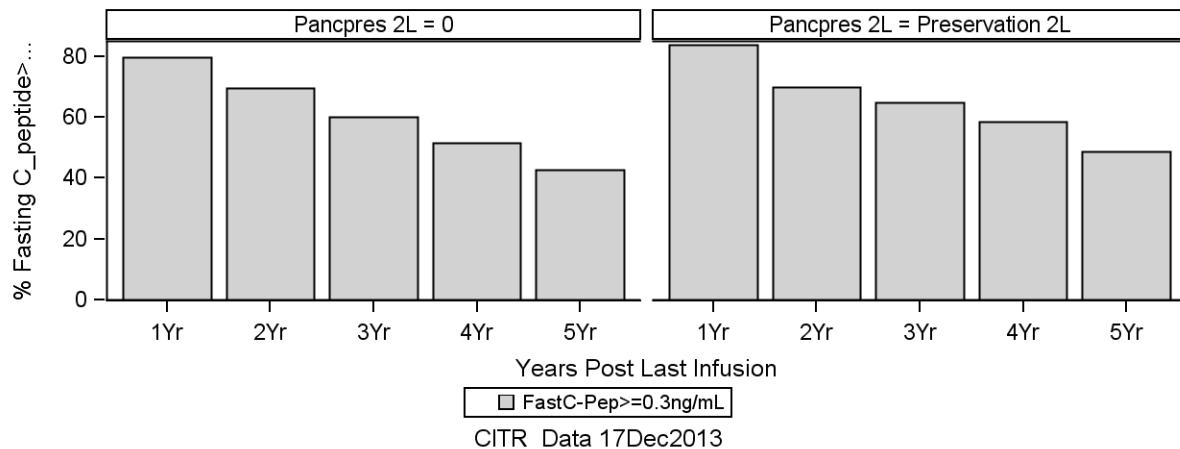
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.0796	0.3337	0.4256	1.7336	3.24	0.0012
yrspli	-0.2352	0.0643	-0.3612	-0.1092	-3.66	0.0003
pancpres_uw	0.0413	0.2162	-0.3824	0.4650	0.19	0.8485

Fasting C_peptide>=0.3 ng/mL



CITR Data 17Dec2013

		Years Post Last Infusion				
		1	2	3	4	5
Pancpres 2L	<i>FastC-Pep>=0.3ng/mL</i>					
0	<0.3	87	102	106	103	105
	≥0.3	336	231	159	109	78
Preservation 2L	<0.3	27	47	49	53	60
	≥0.3	138	109	90	74	57
Total	<i>FastC-Pep>=0.3ng/mL</i>					
	<0.3	114	149	155	156	165
	≥0.3	474	340	249	183	135

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.5171	0.1322	1.2580	1.7762	11.47	<.0001
<i>yrspli</i>	-0.2472	0.0332	-0.3123	-0.1820	-7.44	<.0001
<i>pancpres_2I</i>	0.1785	0.2488	-0.3092	0.6662	0.72	0.4732
<i>yrspli*pancpres_2I</i>	-0.0706	0.0571	-0.1825	0.0413	-1.24	0.2162

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.6035	0.1252	1.3582	1.8488	12.81	<.0001
<i>yrspli</i>	-0.2715	0.0270	-0.3245	-0.2185	-10.04	<.0001
<i>pancpres_2I</i>	-0.0906	0.1832	-0.4497	0.2685	-0.49	0.6211

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	0.8608	0.3307	0.2127	1.5089	2.60	0.0092
<i>yrspli</i>	-0.2010	0.0679	-0.3340	-0.0680	-2.96	0.0030
<i>pancpres_2I</i>	0.6577	0.6848	-0.6846	1.9999	0.96	0.3369
<i>yrspli*pancpres_2I</i>	-0.0918	0.1446	-0.3752	0.1916	-0.63	0.5256

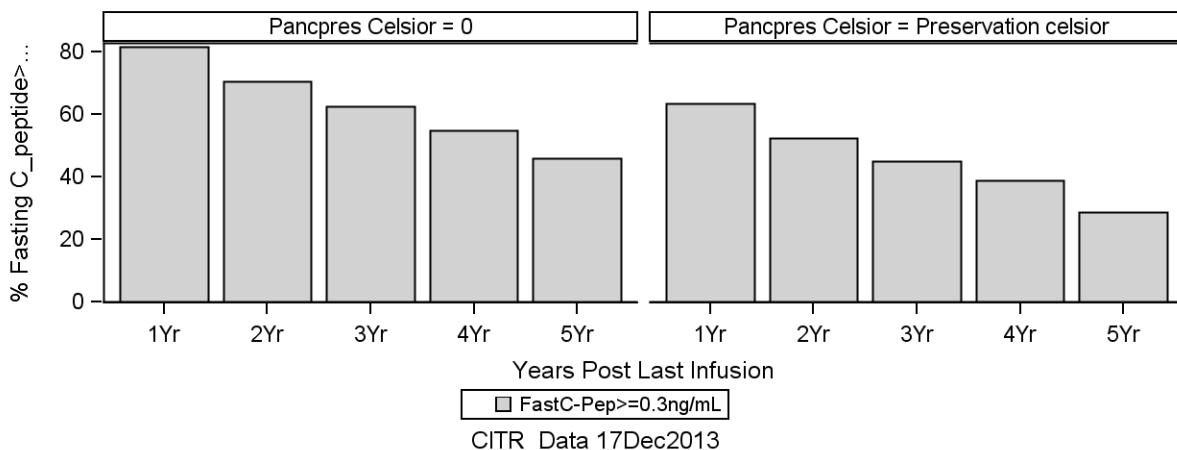
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.0190	0.3166	0.3984	1.6396	3.22	0.0013
<i>yrspli</i>	-0.2368	0.0645	-0.3633	-0.1104	-3.67	0.0002
<i>pancpres_2I</i>	0.2470	0.2146	-0.1736	0.6675	1.15	0.2498

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Pancpres Celsior	FastC-Pep>=0.3ng/mL					
0	<0.3		103	138	144	145
	>=0.3		455	328	240	176
Preservation celsior	<0.3		11	11	11	10
	>=0.3		19	12	9	7
Total	FastC-Pep>=0.3ng/mL					
	<0.3		114	149	155	156
	>=0.3		474	340	249	183
						135

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.6376	0.1171	1.4081	1.8670	13.99	<.0001
yrspli	-0.2807	0.0283	-0.3361	-0.2253	-9.93	<.0001
pancpres_cels	-1.0054	0.4170	-1.8227	-0.1882	-2.41	0.0159
yrspli*pancpres_cels	0.1143	0.0984	-0.0786	0.3071	1.16	0.2456

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.6145	0.1139	1.3913	1.8377	14.18	<.0001
yrspli	-0.2745	0.0271	-0.3277	-0.2214	-10.12	<.0001
pancpres_cels	-0.7212	0.3586	-1.4241	-0.0182	-2.01	0.0443

Testing at 4-5 yr

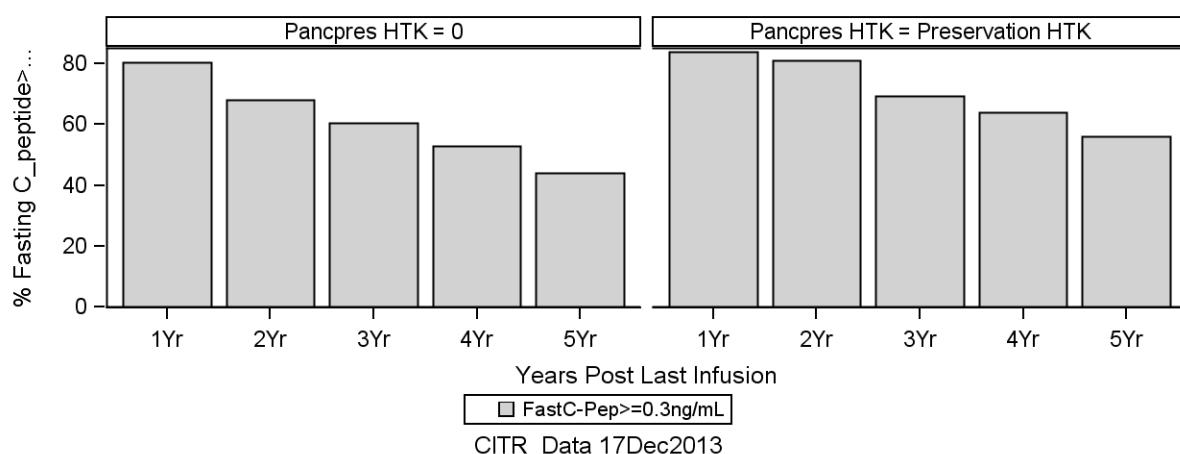
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1769	0.3208	0.5482	1.8056	3.67	0.0002
yrspli	-0.2444	0.0674	-0.3766	-0.1122	-3.62	0.0003
pancpres_cels	-1.3625	0.6169	-2.5716	-0.1534	-2.21	0.0272
yrspli*pancpres_cels	0.1778	0.0813	0.0185	0.3371	2.19	0.0287

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1443	0.3085	0.5396	1.7490	3.71	0.0002
yrspli	-0.2371	0.0646	-0.3637	-0.1106	-3.67	0.0002
pancpres_cels	-0.5964	0.4937	-1.5640	0.3713	-1.21	0.2271

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Pancpres HTK	FastC-Pep>=0.3ng/mL					
0	<0.3	102	137	138	143	154
	≥0.3	412	289	211	160	121
Preservation HTK	<0.3	12	12	17	13	11
	≥0.3	62	51	38	23	14
Total	FastC-Pep>=0.3ng/mL					
	<0.3	114	149	155	156	165
	≥0.3	474	340	249	183	135

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.5425	0.1191	1.3091 1.7759	12.96	<.0001
yrspli	-0.2819	0.0288	-0.3383 -0.2256	-9.81	<.0001
pancpres_htk	0.2196	0.3390	-0.4448 0.8841	0.65	0.5171
yrspli*pancpres_htk	0.1048	0.0789	-0.0498 0.2593	1.33	0.1841

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.5087	0.1147	1.2839 1.7335	13.15	<.0001
yrspli	-0.2726	0.0272	-0.3259 -0.2194	-10.03	<.0001
pancpres_htk	0.6375	0.2819	0.0850 1.1900	2.26	0.0237

Testing at 4-5 yr

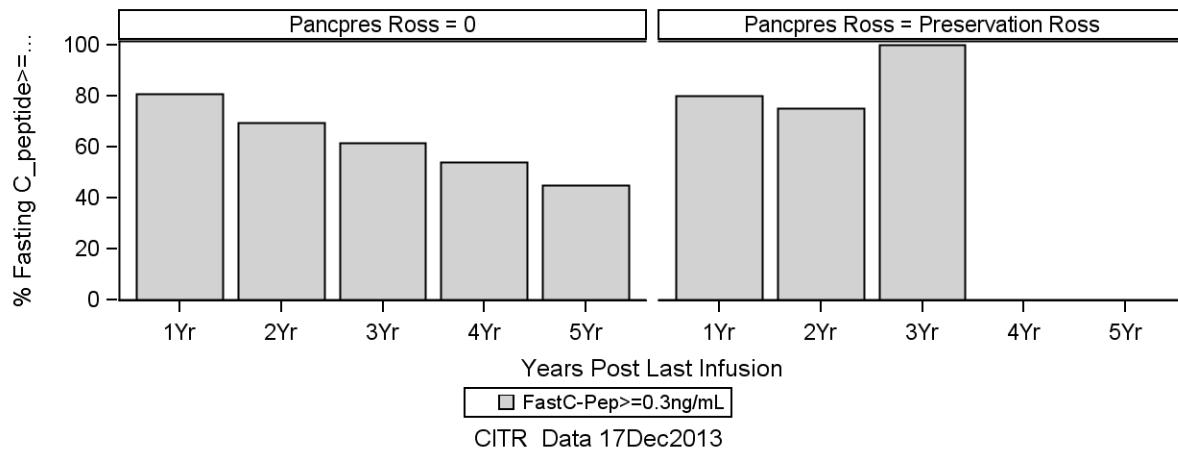
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1708	0.3252	0.5333	1.8082	3.60	0.0003
yrspli	-0.2631	0.0684	-0.3971	-0.1290	-3.85	0.0001
pancpres_htk	-0.9870	0.8664	-2.6852	0.7112	-1.14	0.2546
yrspli*pancpres_htk	0.3598	0.1855	-0.0038	0.7234	1.94	0.0525

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.0390	0.3096	0.4322	1.6457	3.36	0.0008
yrspli	-0.2335	0.0647	-0.3603	-0.1068	-3.61	0.0003
pancpres_htk	0.6176	0.3603	-0.0886	1.3239	1.71	0.0865

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Pancpres Ross	<0.3					
	>=0.3	113	148	155	156	165
Preservation Ross	<0.3	470	337	248	183	135
	>=0.3	1	1	.	.	.

		Years Post Last Infusion				
		1	2	3	4	5
Total	FastC-Pep>=0.3ng/mL	n	n	n	n	n
<0.3		114	149	155	156	165
>=0.3		474	340	249	183	135

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.5751	0.1125	1.3546 1.7956	14.00	<.0001
yrspli	-0.2726	0.0271	-0.3257 -0.2195	-10.07	<.0001
pancpres_ros	-0.2149	1.1258	-2.4214 1.9917	-0.19	0.8486
yrspli*pancpres_ros	0.2792	0.0604	0.1608 0.3975	4.62	<.0001

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.5743	0.1124	1.3540 1.7946	14.01	<.0001
yrspli	-0.2724	0.0270	-0.3254 -0.2194	-10.07	<.0001
pancpres_ros	0.2727	1.1360	-1.9539 2.4992	0.24	0.8103

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

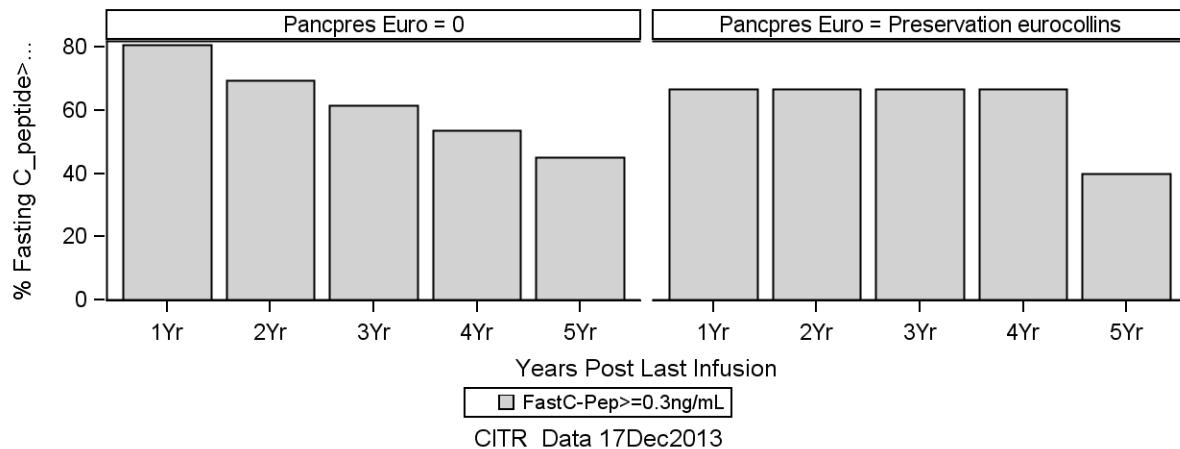
Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.1062	0.3060	0.5064 1.7061	3.61	0.0003
yrspli	-0.2353	0.0643	-0.3613 -0.1094	-3.66	0.0003
pancpres_ros	0.0000	0.0000	0.0000 0.0000	.	.
yrspli*pancpres_ros	0.0000	0.0000	0.0000 0.0000	.	.

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.1062	0.3060	0.5064 1.7061	3.61	0.0003	
yrspli	-0.2353	0.0643	-0.3613 -0.1094	-3.66	0.0003	
pancpres_ros	0.0000	0.0000	0.0000 0.0000	.	.	

Fasting C_peptide>=0.3 ng/mL



Pancpres Euro	FastC-Pep>=0.3ng/mL	Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
0	<0.3	112	147	153	154	162
0	>=0.3	470	336	245	179	133
Preservation eurocollins	<0.3	2	2	2	2	3
Preservation eurocollins	>=0.3	4	4	4	4	2
Total	FastC-Pep>=0.3ng/mL					
	<0.3	114	149	155	156	165
	>=0.3	474	340	249	183	135

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.5828	0.1127	1.3619	1.8037	14.04	<.0001
yrspli	-0.2743	0.0274	-0.3279	-0.2207	-10.03	<.0001
pancpres_euro	-0.5491	1.0986	-2.7023	1.6041	-0.50	0.6172
yrspli*pancpres_euro	0.1154	0.1577	-0.1936	0.4245	0.73	0.4641

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.5761	0.1120	1.3566	1.7956	14.07	<.0001
yrspli	-0.2725	0.0271	-0.3256	-0.2193	-10.05	<.0001
pancpres_euro	0.0417	0.7188	-1.3672	1.4506	0.06	0.9538

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.0535	0.3054	0.4549	1.6522	3.45	0.0006
yrspli	-0.2244	0.0641	-0.3500	-0.0989	-3.50	0.0005
pancpres_euro	3.0468	3.5324	-3.8765	9.9702	0.86	0.3884
yrspli*pancpres_euro	-0.6274	0.7573	-2.1116	0.8568	-0.83	0.4074

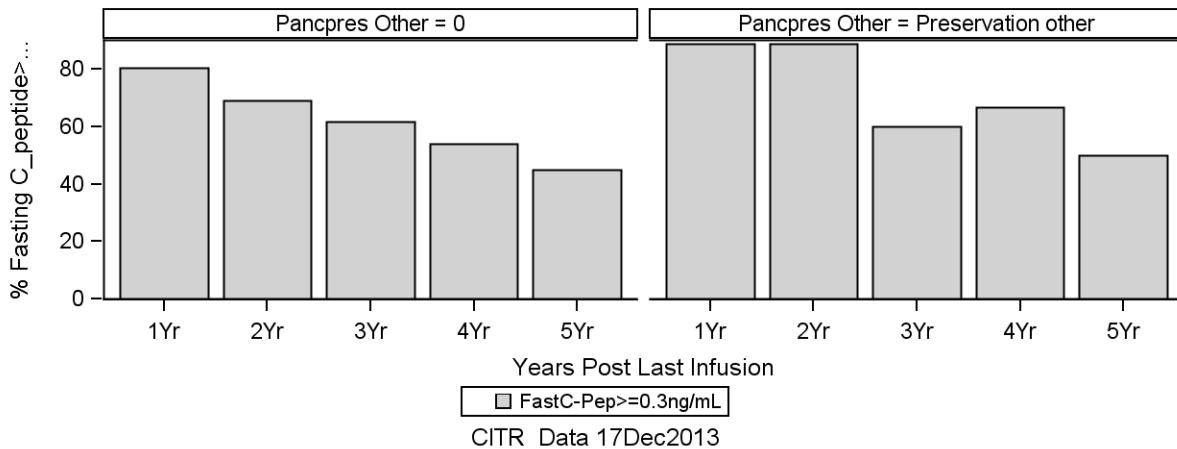
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1009	0.3065	0.5003	1.7016	3.59	0.0003
yrspli	-0.2351	0.0643	-0.3611	-0.1091	-3.66	0.0003
pancpres_euro	0.2321	0.7544	-1.2465	1.7107	0.31	0.7584

Fasting C_peptide>=0.3 ng/mL



CITR Data 17Dec2013

		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Pancpres Other	FastC-Pep>=0.3ng/mL					
0	<0.3	113	148	153	155	164
	>=0.3	466	332	246	181	134
Preservation other	<0.3	1	1	2	1	1
	>=0.3	8	8	3	2	1
Total	FastC-Pep>=0.3ng/mL					
	<0.3	114	149	155	156	165
	>=0.3	474	340	249	183	135

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.5662	0.1126	1.3455	1.7869	13.91	<.0001
yrspli	-0.2728	0.0271	-0.3260	-0.2196	-10.05	<.0001
pancpres_oth	0.6920	1.2212	-1.7015	3.0855	0.57	0.5710
yrspli*pancpres_oth	0.0763	0.2842	-0.4808	0.6334	0.27	0.7883

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.5637	0.1124	1.3434	1.7840	13.91	<.0001
yrspli	-0.2721	0.0271	-0.3251	-0.2190	-10.05	<.0001
pancpres_oth	1.0301	0.7210	-0.3831	2.4433	1.43	0.1531

Testing at 4-5 yr

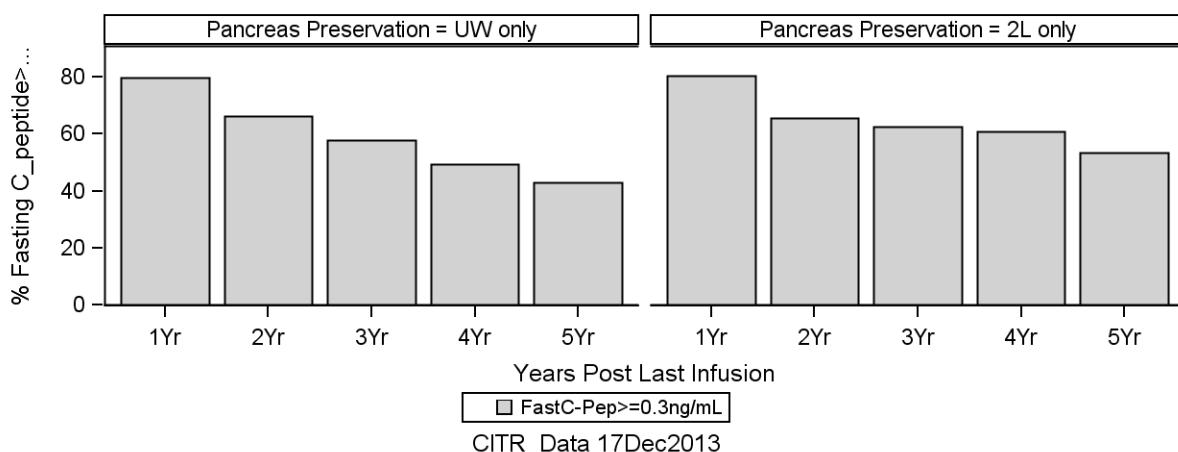
The GENMOD Procedure

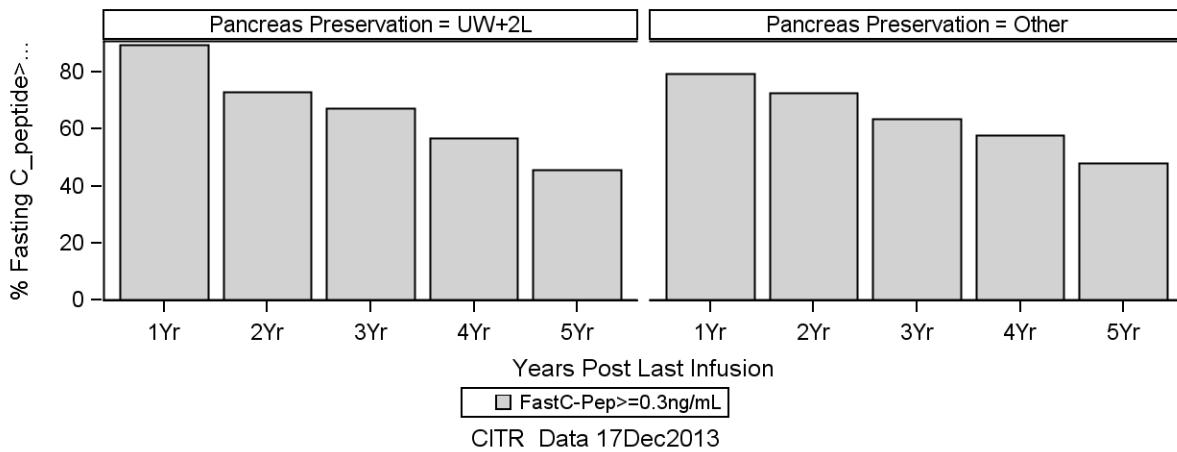
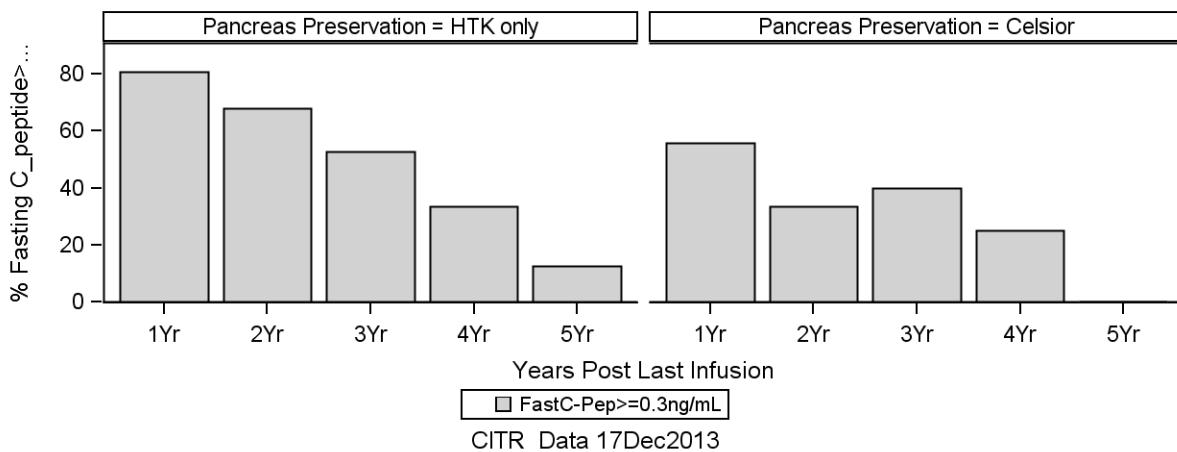
Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1028	0.3080	0.4992	1.7064	3.58	0.0003
yrspli	-0.2356	0.0647	-0.3624	-0.1088	-3.64	0.0003
pancpres_oth	-0.0253	1.3876	-2.7450	2.6944	-0.02	0.9854
yrspli*pancpres_oth	0.1395	0.1206	-0.0969	0.3760	1.16	0.2475

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.0995	0.3063	0.4991	1.6998	3.59	0.0003
yrspli	-0.2349	0.0643	-0.3609	-0.1089	-3.65	0.0003
pancpres_oth	0.5978	1.2153	-1.7842	2.9798	0.49	0.6228

Fasting C_peptide>=0.3 ng/mL

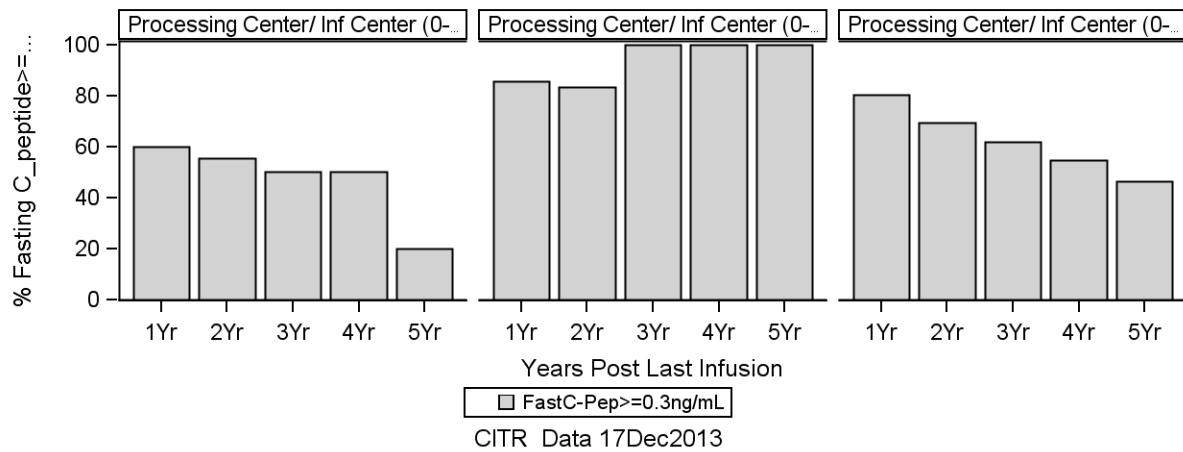




Pancreas Preservation	FastC-Pep>=0.3ng/mL	Years Post Last Infusion				
		1	2	3	4	5
<i>UW only</i>	<0.3	34	50	56	60	63
	>=0.3	134	98	77	58	47
<i>2L only</i>	<0.3	12	19	18	18	21
	>=0.3	49	36	30	28	24
<i>HTK only</i>	<0.3	7	8	9	8	7
	>=0.3	29	17	10	4	1
<i>Celsior</i>	<0.3	4	4	3	3	3
	>=0.3	5	2	2	1	-
<i>UW+2L</i>	<0.3	8	20	22	26	30
	>=0.3	68	54	45	34	25
<i>Other</i>	<0.3	48	48	47	41	41
	>=0.3	184	128	82	56	38

		Years Post Last Infusion					
		1	2	3	4	5	
		n	n	n	n	n	
<i>Total</i>		<i>FastC-Pep>=0.3ng/mL</i>					
	<0.3		113	149	155	156	165
	>=0.3		469	335	246	181	135

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion					
		1	2	3	4	5	
		n	n	n	n	n	
<i>Processing Center/ Inf Center (0-Unrelated 1-Related)</i>		<i>FastC-Pep>=0.3ng/mL</i>					
<i>Unrelated</i>		<0.3	4	4	3	3	4
		>=0.3	6	5	3	3	1
<i>Mixed</i>		<0.3	1	1	.	.	.
		>=0.3	6	5	4	2	1
<i>Processing/transplant centers related</i>		<0.3	89	124	137	139	147
		>=0.3	361	280	222	168	128
<i>Total</i>		<i>FastC-Pep>=0.3ng/mL</i>					
		<0.3	94	129	140	142	151
		>=0.3	373	290	229	173	130

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.4036	0.8561	-0.2743	3.0816	1.64	0.1011
<i>yrspli</i>	-0.1199	0.2019	-0.5156	0.2759	-0.59	0.5527
<i>pcenter_</i>	0.1039	0.8681	-1.5974	1.8053	0.12	0.9047
<i>yrspli*pcenter_</i>	-0.1467	0.2043	-0.5471	0.2538	-0.72	0.4729

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.9411	0.5095	0.9424	2.9398	3.81	0.0001
<i>yrspli</i>	-0.2631	0.0277	-0.3175	-0.2088	-9.48	<.0001
<i>pcenter_</i>	-0.4461	0.5066	-1.4391	0.5469	-0.88	0.3786

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	3.6886	3.2575	-2.6960	10.0732	1.13	0.2575
<i>yrspli</i>	-0.8473	0.6994	-2.2181	0.5236	-1.21	0.2258
<i>pcenter_</i>	-2.7105	3.2770	-9.1333	3.7124	-0.83	0.4082
<i>yrspli*pcenter_</i>	0.6529	0.7032	-0.7254	2.0313	0.93	0.3532

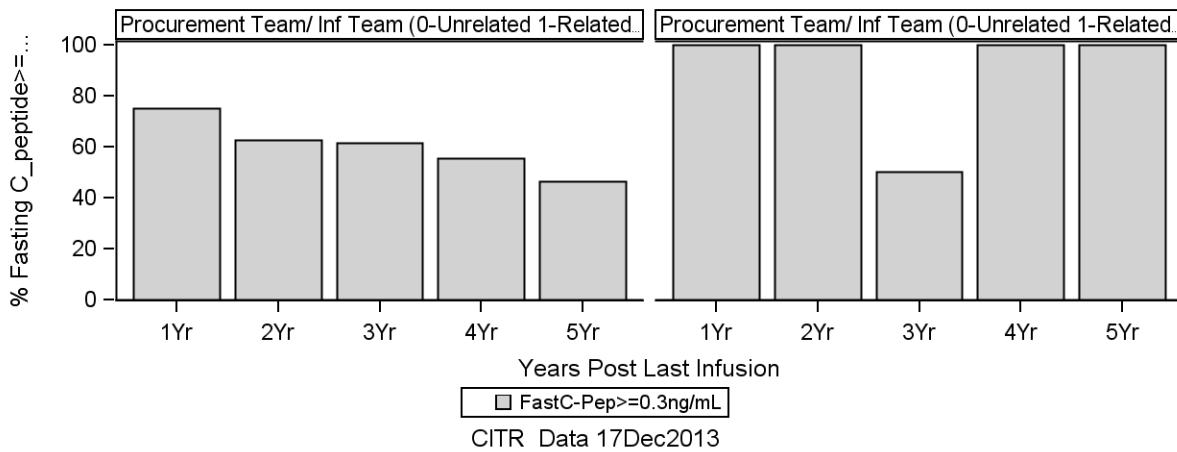
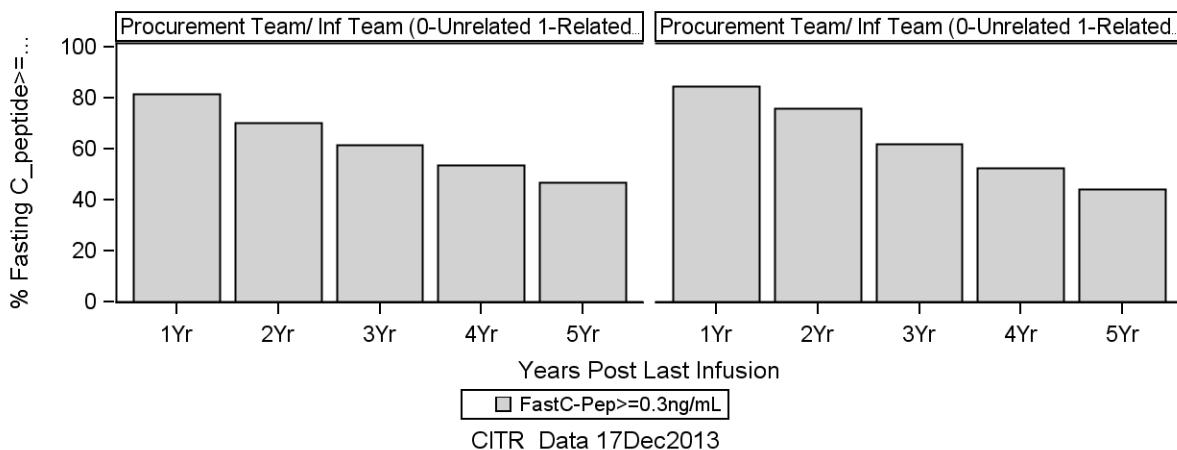
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	0.8750	0.7674	-0.6292	2.3791	1.14	0.2542
<i>yrspli</i>	-0.2071	0.0645	-0.3336	-0.0806	-3.21	0.0013
<i>pcenter_</i>	0.1604	0.7199	-1.2506	1.5715	0.22	0.8237

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>Procurement Team/ Inf Team (0-Unrelated 1-Related)</i>		<i>FastC-Pep\geq0.3ng/mL</i>				
<i>Unrelated</i>		<0.3	17	24	29	31
		\geq 0.3	75	57	46	36
<i>Mixed</i>		<0.3	21	29	39	40
		\geq 0.3	114	92	63	44
<i>Procurement/transplant centers related</i>		<0.3	56	76	70	70
		\geq 0.3	168	128	112	87
<i>Miss/unk</i>		<0.3	.	.	1	.
		\geq 0.3	2	2	1	2
<i>Total</i>		<i>FastC-Pep\geq0.3ng/mL</i>				
		<0.3	94	129	139	141
		\geq 0.3	359	279	222	169
						127

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.5332	0.1548	1.2299	1.8366	9.91	<.0001
<i>yrspli</i>	-0.3112	0.0421	-0.3938	-0.2286	-7.38	<.0001
<i>procure_</i>	-0.0987	0.1438	-0.3804	0.1831	-0.69	0.4925
<i>yrspli*procure_</i>	0.0780	0.0453	-0.0108	0.1668	1.72	0.0851

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.4185	0.1424	1.1395	1.6976	9.96	<.0001
<i>yrspli</i>	-0.2594	0.0277	-0.3137	-0.2051	-9.36	<.0001
<i>procure_</i>	0.0729	0.1224	-0.1670	0.3128	0.60	0.5516

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	0.8225	0.4371	-0.0342	1.6793	1.88	0.0599
<i>yrspli</i>	-0.1980	0.0926	-0.3794	-0.0165	-2.14	0.0325
<i>procure_</i>	0.2132	0.4427	-0.6545	1.0809	0.48	0.6301
<i>yrspli*procure_</i>	0.0042	0.0948	-0.1817	0.1900	0.04	0.9650

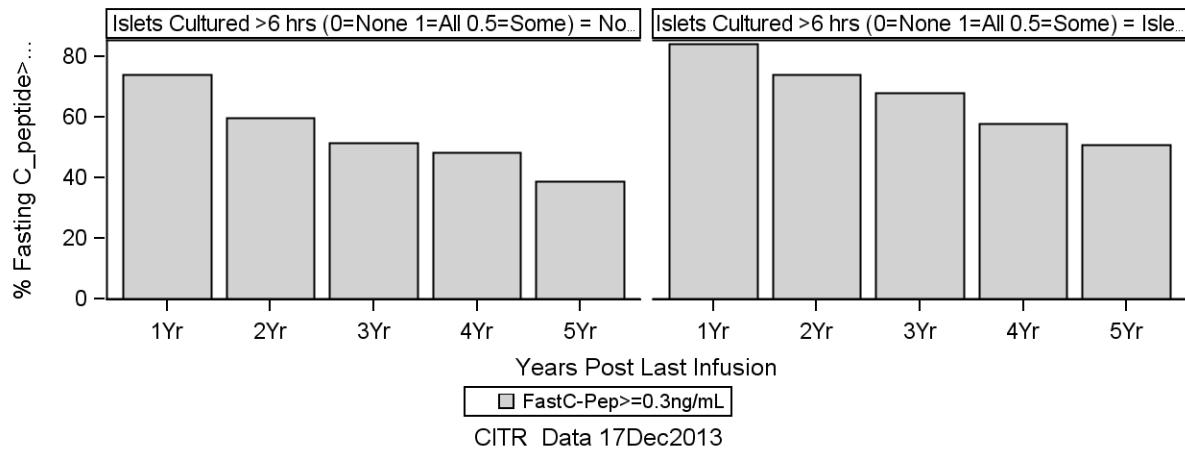
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	0.8117	0.3251	0.1745	1.4489	2.50	0.0125
<i>yrspli</i>	-0.1955	0.0644	-0.3217	-0.0693	-3.04	0.0024
<i>procure_</i>	0.2317	0.1479	-0.0582	0.5215	1.57	0.1173

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Islets Cultured >6 hrs (0=None 1=All 0.5=Some)	FastC-Pep>=0.3ng/mL					
None	<0.3	29	41	48	48	54
	>=0.3	82	61	51	45	34
Islets cultured >=6 hrs	<0.3	46	64	67	72	72
	>=0.3	244	183	141	98	74
Total	FastC-Pep>=0.3ng/mL					
	<0.3	75	105	115	120	126
	>=0.3	326	244	192	143	108

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1521	0.2262	0.7088	1.5954	5.09	<.0001
yrspli	-0.2809	0.0489	-0.3767	-0.1850	-5.74	<.0001
cultured_	0.6286	0.2797	0.0804	1.1768	2.25	0.0246
yrspli*cultured_	-0.0126	0.0628	-0.1356	0.1104	-0.20	0.8408

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1777	0.1971	0.7914	1.5639	5.98	<.0001
yrspli	-0.2886	0.0306	-0.3487	-0.2286	-9.42	<.0001
cultured_	0.5850	0.2139	0.1657	1.0042	2.73	0.0062

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1113	0.5998	-0.0643	2.2869	1.85	0.0639
yrspli	-0.2940	0.1270	-0.5429	-0.0450	-2.31	0.0206
cultured_	-0.2584	0.7319	-1.6929	1.1762	-0.35	0.7241
yrspli*cultured_	0.1601	0.1543	-0.1423	0.4626	1.04	0.2993

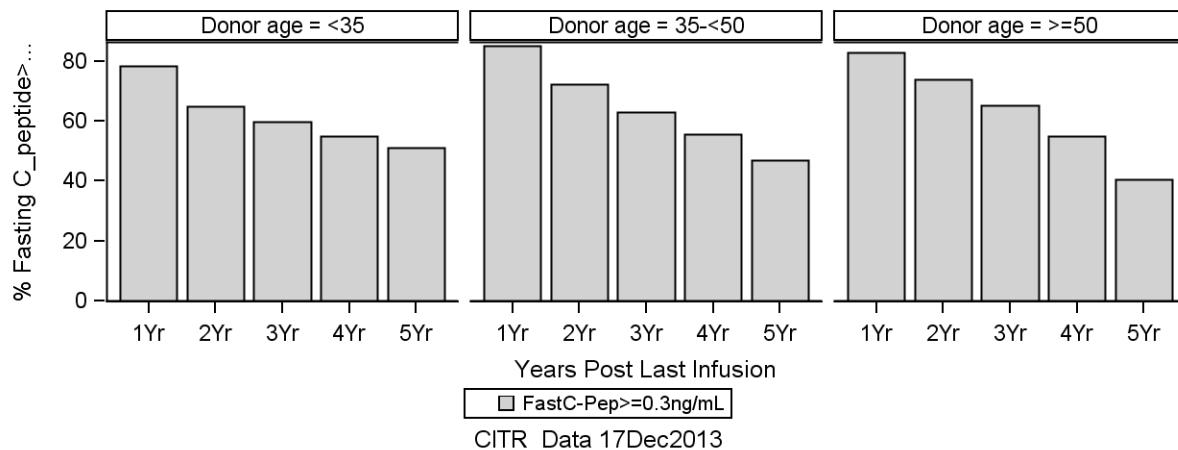
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.6670	0.3819	-0.0814	1.4155	1.75	0.0807
yrspli	-0.1939	0.0727	-0.3364	-0.0514	-2.67	0.0077
cultured_	0.4544	0.2488	-0.0333	0.9421	1.83	0.0679

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Donor age	FastC-Pep>=0.3ng/mL					
<35	<0.3	23	29	25	24	25
	≥0.3	83	53	37	29	26
35-50	<0.3	38	61	66	68	74
	≥0.3	215	158	112	85	65
≥50	<0.3	20	25	28	28	28
	≥0.3	96	70	52	34	19
Total	FastC-Pep>=0.3ng/mL					
	<0.3	81	115	119	120	127
	≥0.3	394	281	201	148	110

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.0688	0.3865	0.3114	1.8263	2.77	0.0057
yrspli	-0.1871	0.0877	-0.3591	-0.0152	-2.13	0.0329
donage_mean_c	0.3174	0.1958	-0.0664	0.7013	1.62	0.1050
yrspli*donage_mean_c	-0.0502	0.0461	-0.1405	0.0401	-1.09	0.2759

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.4952	0.3097	0.8882	2.1021	4.83	<.0001
yrspli	-0.2874	0.0305	-0.3471	-0.2276	-9.42	<.0001
donage_mean_c	0.0996	0.1357	-0.1664	0.3656	0.73	0.4631

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.2955	0.9994	-1.6633	2.2543	0.30	0.7675
yrspli	-0.0130	0.2053	-0.4155	0.3894	-0.06	0.9494
donage_mean_c	0.4149	0.5480	-0.6592	1.4890	0.76	0.4490
yrspli*donage_mean_c	-0.1071	0.1160	-0.3346	0.1203	-0.92	0.3559

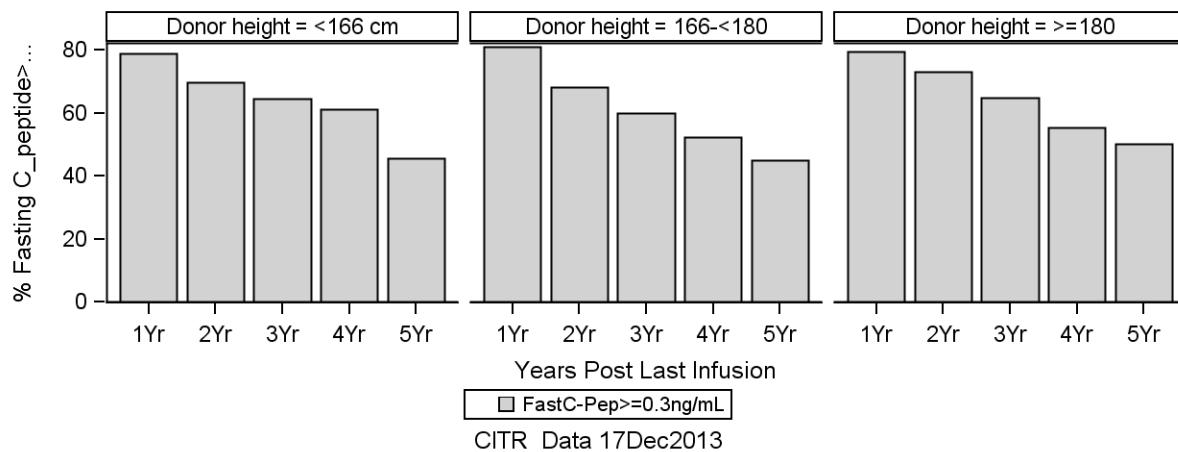
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.2490	0.5193	0.2312	2.2668	2.41	0.0162
yrspli	-0.2266	0.0747	-0.3730	-0.0802	-3.03	0.0024
donage_mean_c	-0.0621	0.1797	-0.4143	0.2901	-0.35	0.7297

Fasting C_peptide>=0.3 ng/mL



Donor height	FastC-Pep>=0.3ng/mL	Years Post Last Infusion				
		1	2	3	4	5
n	n	n	n	n	n	n
<166 cm	<0.3	17	21	22	21	24
<166 cm	>=0.3	63	48	40	33	20
166-180	<0.3	65	93	98	98	103
166-180	>=0.3	277	200	146	107	84

		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
>=180	<0.3	24	25	25	26	25
	>=0.3	93	68	46	32	25
Total	FastC-Pep>=0.3ng/mL					
	<0.3	106	139	145	145	152
	>=0.3	433	316	232	172	129

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.5375	0.4233	0.7079 2.3671	3.63	0.0003
yrspli	-0.3422	0.1033	-0.5447 -0.1398	-3.31	0.0009
caheight_mean_c	0.0022	0.1994	-0.3886 0.3929	0.01	0.9913
yrspli*caheight_mean	0.0385	0.0495	-0.0584 0.1354	0.78	0.4363

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.2380	0.3163	0.6180 1.8580	3.91	<.0001
yrspli	-0.2642	0.0276	-0.3184 -0.2100	-9.55	<.0001
caheight_mean_c	0.1506	0.1451	-0.1338 0.4349	1.04	0.2994

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	3.0071	1.1538	0.7458 5.2685	2.61	0.0092
yrspli	-0.6578	0.2459	-1.1397 -0.1758	-2.68	0.0075
caheight_mean_c	-0.9962	0.5198	-2.0150 0.0227	-1.92	0.0553
yrspli*caheight_mean	0.2242	0.1101	0.0085 0.4399	2.04	0.0416

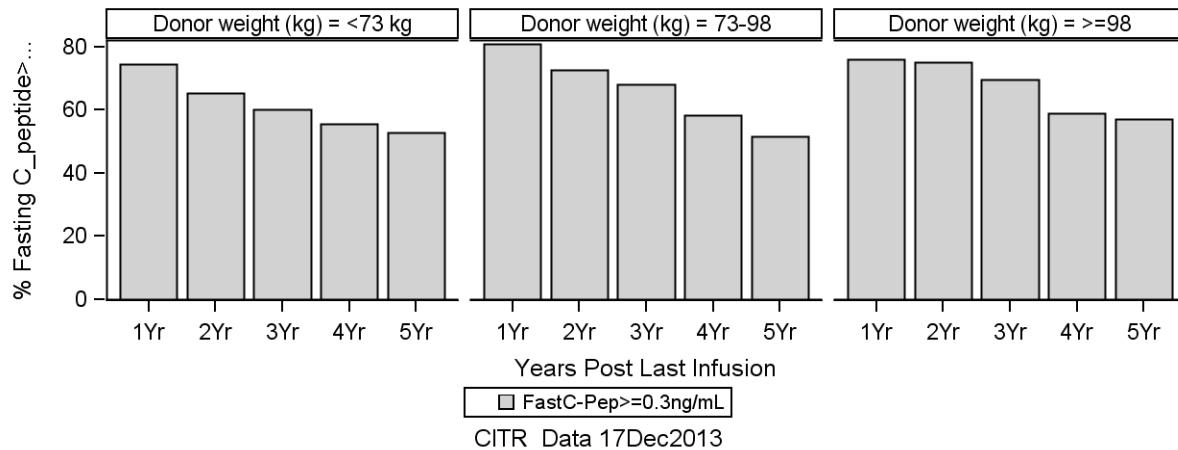
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.0021	0.4743	0.0725	1.9317	2.11	0.0346
yrspli	-0.2056	0.0645	-0.3319	-0.0793	-3.19	0.0014
caheight_mean_c	-0.0017	0.1814	-0.3573	0.3539	-0.01	0.9925

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Donor weight (kg)	FastC-Pep>=0.3ng/mL					
<73 kg	<0.3	15	18	20	20	18
	>=0.3	44	34	30	25	20
73-98	<0.3	32	42	44	47	49
	>=0.3	135	111	94	66	52
>=98	<0.3	7	7	7	7	6
	>=0.3	22	21	16	10	8
Total	FastC-Pep>=0.3ng/mL					
	<0.3	54	67	71	74	73
	>=0.3	201	166	140	101	80

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	0.9520	0.5299	-0.0866	1.9906	1.80	0.0724
<i>yrspli</i>	-0.1825	0.1153	-0.4085	0.0435	-1.58	0.1136
<i>caweight_mean_c</i>	0.2688	0.2817	-0.2834	0.8210	0.95	0.3400
<i>yrspli*caweight_mean</i>	-0.0237	0.0627	-0.1465	0.0992	-0.38	0.7059

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.1179	0.4509	0.2342	2.0017	2.48	0.0132
<i>yrspli</i>	-0.2258	0.0377	-0.2997	-0.1518	-5.98	<.0001
<i>caweight_mean_c</i>	0.1772	0.2236	-0.2611	0.6154	0.79	0.4282

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	-0.8089	1.0754	-2.9165	1.2988	-0.75	0.4519
<i>yrspli</i>	0.2413	0.2152	-0.1805	0.6631	1.12	0.2622
<i>caweight_mean_c</i>	0.8717	0.6109	-0.3256	2.0690	1.43	0.1536
<i>yrspli*caweight_mean</i>	-0.1969	0.1245	-0.4410	0.0472	-1.58	0.1139

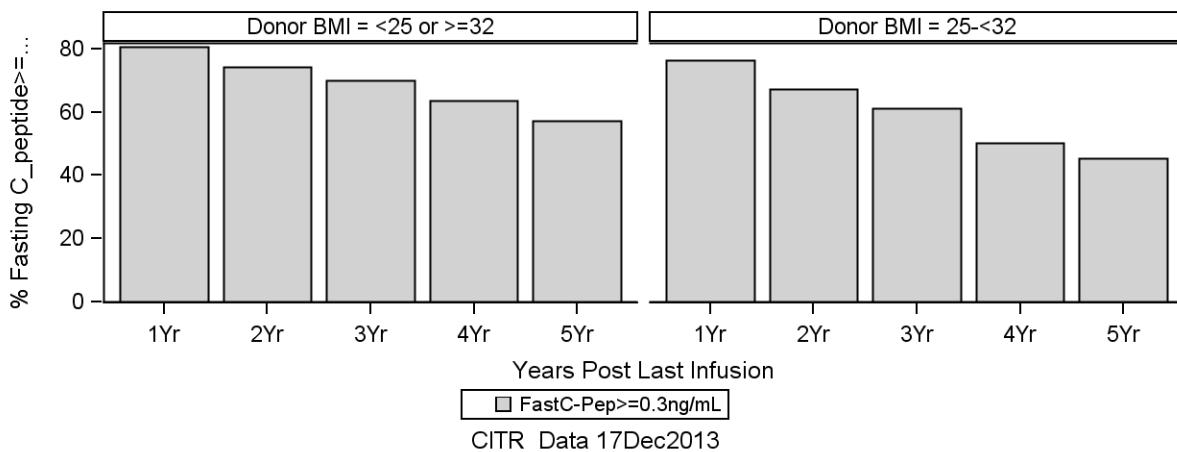
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	0.8066	0.6531	-0.4735	2.0868	1.23	0.2168
<i>yrspli</i>	-0.1214	0.0911	-0.3000	0.0572	-1.33	0.1829
<i>caweight_mean_c</i>	-0.0054	0.2606	-0.5162	0.5054	-0.02	0.9834

Fasting C_peptide>=0.3 ng/mL



Donor BMI		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>FastC-Pep</i> $\geq 0.3 \text{ ng/mL}$						
<25 or ≥ 32	<0.3	29	35	38	37	39
	≥ 0.3	120	101	88	64	52
25-<32	<0.3	25	32	33	37	34
	≥ 0.3	81	65	52	37	28
Total	<i>FastC-Pep</i> $\geq 0.3 \text{ ng/mL}$					
	<0.3	54	67	71	74	73
	≥ 0.3	201	166	140	101	80

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.5250	0.2205	1.0928 1.9572	6.92	<.0001
yrspli	-0.1956	0.0524	-0.2982 -0.0929	-3.74	0.0002
donbmi_mean_c	-0.1716	0.3329	-0.8242 0.4809	-0.52	0.6061
yrspli*donbmi_mean_c	-0.0729	0.0757	-0.2212 0.0755	-0.96	0.3358

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.6497	0.2032	1.2513 2.0480	8.12	<.0001	
yrspli	-0.2278	0.0381	-0.3025 -0.1531	-5.98	<.0001	
donbmi_mean_c	-0.4301	0.2524	-0.9248 0.0647	-1.70	0.0884	

Testing at 4-5 yr

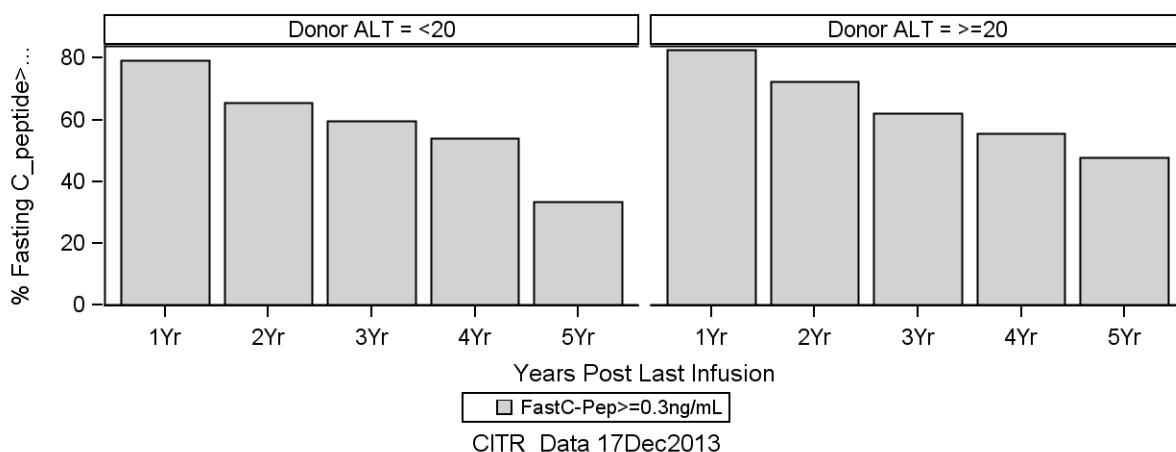
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.0039	0.5479	-0.0700 2.0778	1.83	0.0669	
yrspli	-0.1140	0.1134	-0.3362 0.1082	-1.01	0.3148	
donbmi_mean_c	-0.4521	0.9104	-2.2365 1.3323	-0.50	0.6195	
yrspli*donbmi_mean_c	-0.0240	0.1932	-0.4027 0.3547	-0.12	0.9013	

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.0503	0.4641	0.1408 1.9599	2.26	0.0236	
yrspli	-0.1243	0.0930	-0.3065 0.0579	-1.34	0.1811	
donbmi_mean_c	-0.5588	0.2985	-1.1438 0.0262	-1.87	0.0612	

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Donor ALT	FastC-Pep>=0.3ng/mL					
<20	<0.3		12	18	17	17
	>=0.3		46	34	25	20
>=20	<0.3		63	84	92	87
	>=0.3		300	220	150	108
Total	FastC-Pep>=0.3ng/mL					
	<0.3		75	102	109	104
	>=0.3		346	254	175	128
						91

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.6163	0.3577	0.9152 2.3174	4.52	<.0001
yrspli	-0.3590	0.0834	-0.5225 -0.1956	-4.31	<.0001
alt_mean_c	0.0399	0.3865	-0.7176 0.7974	0.10	0.9178
yrspli*alt_mean_c	0.1086	0.0905	-0.0687 0.2859	1.20	0.2300

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.2834	0.2613	0.7713 1.7955	4.91	<.0001
yrspli	-0.2680	0.0327	-0.3321 -0.2039	-8.19	<.0001
alt_mean_c	0.4467	0.2745	-0.0913 0.9847	1.63	0.1036

Testing at 4-5 yr

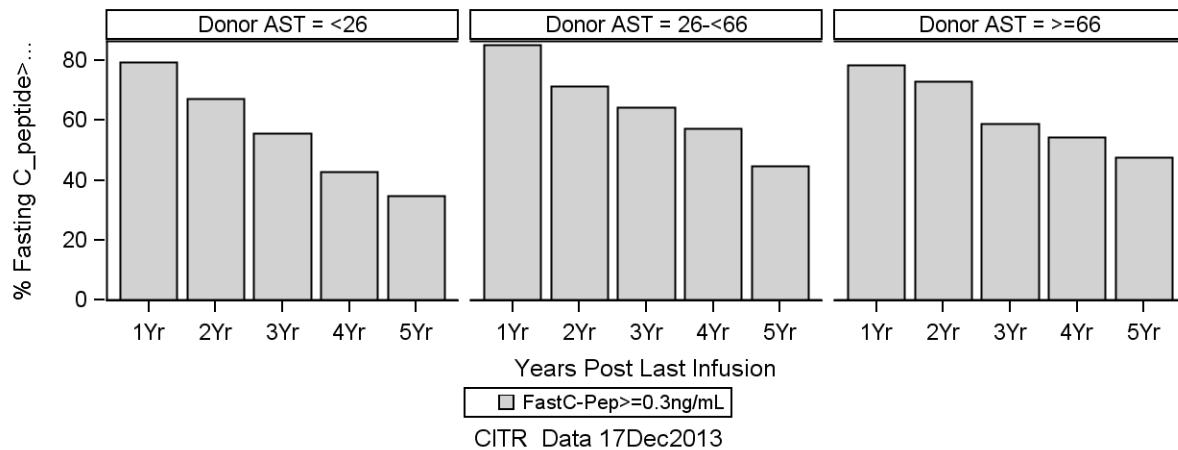
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	2.7550	1.1823	0.4376	5.0723	2.33	0.0198
yrspli	-0.6481	0.2559	-1.1497	-0.1465	-2.53	0.0113
alt_mean_c	-1.8735	1.2370	-4.2980	0.5510	-1.51	0.1299
yrspli*alt_mean_c	0.4840	0.2667	-0.0387	1.0067	1.81	0.0696

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.9661	0.4602	0.0642	1.8681	2.10	0.0358
yrspli	-0.2430	0.0760	-0.3920	-0.0940	-3.20	0.0014
alt_mean_c	0.2670	0.3352	-0.3901	0.9240	0.80	0.4258

Fasting C_peptide>=0.3 ng/mL



Donor AST	FastC-Pep>=0.3ng/mL	Years Post Last Infusion				
		1	2	3	4	5
n	n	n	n	n	n	n
<26	<0.3	13	16	16	16	15
	>=0.3	50	33	20	12	8
26-<66	<0.3	33	56	57	57	64
	>=0.3	190	140	102	76	52

		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
>=66	<0.3	27	29	35	31	32
	>=0.3	99	78	50	37	29
Total	FastC-Pep>=0.3ng/mL					
	<0.3	73	101	108	104	111
	>=0.3	339	251	172	125	89

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.7650	0.4855	0.8134 2.7166	3.64	0.0003	
yrspli	-0.3444	0.1122	-0.5642 -0.1246	-3.07	0.0021	
ast_mean_c	-0.0486	0.2149	-0.4697 0.3725	-0.23	0.8210	
yrspli*ast_mean_c	0.0324	0.0484	-0.0624 0.1273	0.67	0.5025	

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.4618	0.3562	0.7636 2.1600	4.10	<.0001	
yrspli	-0.2740	0.0329	-0.3384 -0.2096	-8.34	<.0001	
ast_mean_c	0.0933	0.1571	-0.2146 0.4012	0.59	0.5526	

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	0.5921	1.0560	-1.4776 2.6618	0.56	0.5750	
yrspli	-0.1771	0.2094	-0.5876 0.2334	-0.85	0.3977	
ast_mean_c	0.2666	0.4969	-0.7074 1.2405	0.54	0.5917	
yrspli*ast_mean_c	-0.0311	0.0997	-0.2266 0.1643	-0.31	0.7548	

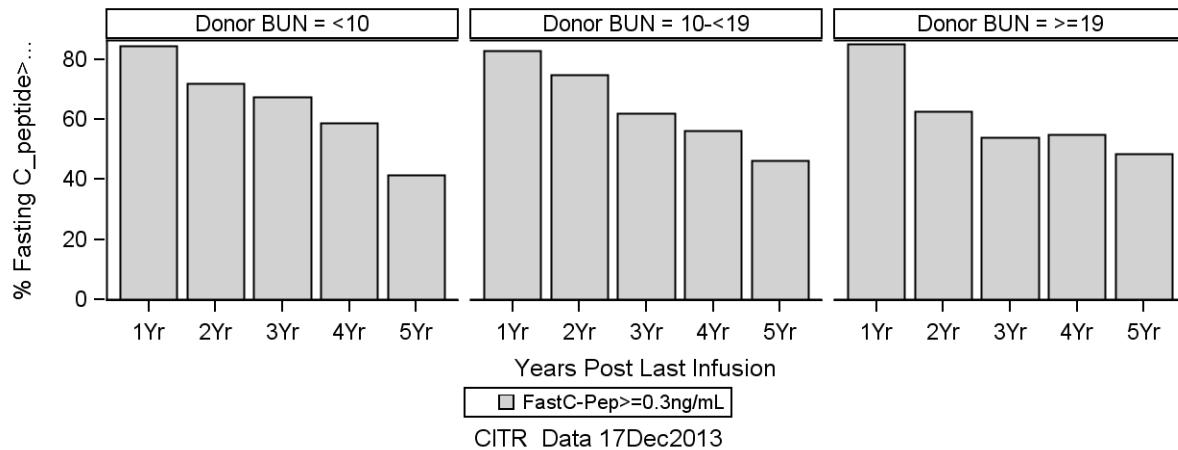
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.8966	0.5780	-0.2362	2.0294	1.55	0.1209
yrspli	-0.2458	0.0763	-0.3954	-0.0962	-3.22	0.0013
ast_mean_c	0.1281	0.2079	-0.2794	0.5356	0.62	0.5377

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>Donor BUN</i> FastC-Pep>=0.3ng/mL						
<10	<0.3	10	14	14	14	17
	=0.3	54	36	29	20	12
10-<19	<0.3	36	46	52	51	57
	=0.3	174	137	85	65	49
>=19	<0.3	12	24	23	18	18
	=0.3	68	40	27	22	17
Total	FastC-Pep>=0.3ng/mL					
	<0.3	58	84	89	83	92
	=0.3	296	213	141	107	78

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.9862	0.5089	0.9889	2.9836	3.90	<.0001
<i>yrspli</i>	-0.3129	0.1249	-0.5576	-0.0682	-2.51	0.0122
<i>bun_mean_c</i>	-0.1288	0.2292	-0.5780	0.3204	-0.56	0.5742
<i>yrspli*bun_mean_c</i>	0.0126	0.0568	-0.0987	0.1239	0.22	0.8246

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.8889	0.4030	1.0990	2.6789	4.69	<.0001
<i>yrspli</i>	-0.2871	0.0362	-0.3580	-0.2162	-7.94	<.0001
<i>bun_mean_c</i>	-0.0822	0.1812	-0.4374	0.2730	-0.45	0.6501

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	2.3077	1.4451	-0.5246	5.1401	1.60	0.1103
<i>yrspli</i>	-0.4844	0.3034	-1.0792	0.1103	-1.60	0.1104
<i>bun_mean_c</i>	-0.4556	0.6565	-1.7424	0.8311	-0.69	0.4877
<i>yrspli*bun_mean_c</i>	0.1008	0.1374	-0.1686	0.3701	0.73	0.4634

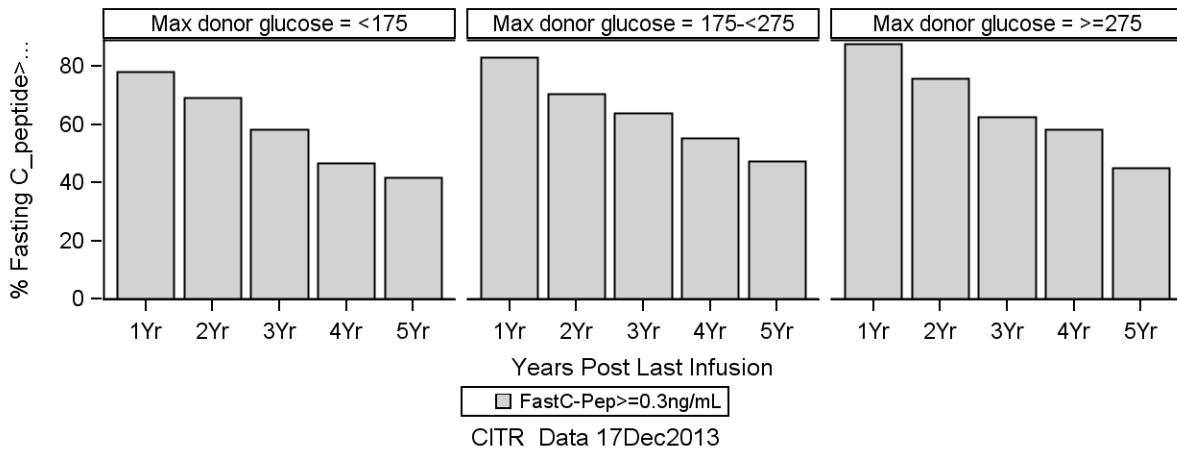
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.3968	0.6039	0.2131	2.5805	2.31	0.0207
<i>yrspli</i>	-0.2804	0.0833	-0.4436	-0.1172	-3.37	0.0008
<i>bun_mean_c</i>	-0.0058	0.2237	-0.4442	0.4326	-0.03	0.9793

Fasting C_peptide>=0.3 ng/mL



CITR Data 17Dec2013

Max donor glucose	FastC-Pep>=0.3ng/mL	Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<175	<0.3	22	26	30	33	32
	>=0.3	78	58	42	29	23
175-275	<0.3	45	66	63	63	65
	>=0.3	221	157	111	78	58
>=275	<0.3	11	19	27	26	32
	>=0.3	78	59	45	36	26
Total	FastC-Pep>=0.3ng/mL					
	<0.3	78	111	120	122	129
	>=0.3	377	274	198	143	107

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.1639	0.4290	0.3230 2.0048	2.71	0.0067
yrspli	-0.2054	0.1066	-0.4144 0.0036	-1.93	0.0540
maxinsbg_mean_c	0.2731	0.2071	-0.1328 0.6790	1.32	0.1873
yrspli*maxinsbg_mean	-0.0483	0.0506	-0.1475 0.0509	-0.95	0.3397

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.5206	0.3260	0.8816	2.1596	4.66	<.0001
yrspli	-0.3006	0.0313	-0.3620	-0.2392	-9.59	<.0001
maxinsbg_mean_c	0.0904	0.1519	-0.2073	0.3880	0.59	0.5519

Testing at 4-5 yr

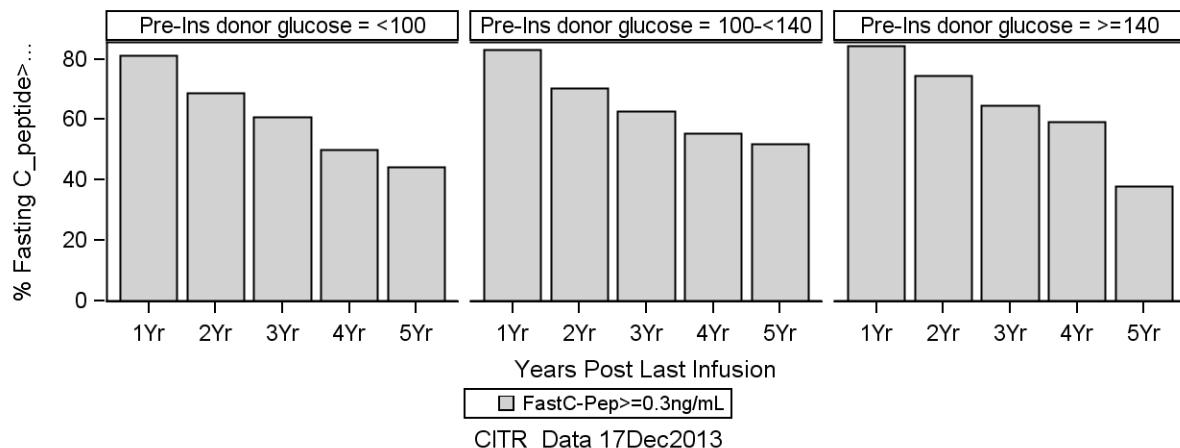
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	-0.5629	1.2500	-3.0128	1.8871	-0.45	0.6525
yrspli	0.0625	0.2672	-0.4612	0.5861	0.23	0.8152
maxinsbg_mean_c	0.8140	0.6135	-0.3885	2.0164	1.33	0.1846
yrspli*maxinsbg_mean	-0.1437	0.1311	-0.4007	0.1133	-1.10	0.2732

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.7265	0.4901	-0.2341	1.6872	1.48	0.1383
yrspli	-0.2267	0.0751	-0.3739	-0.0795	-3.02	0.0025
maxinsbg_mean_c	0.1720	0.1695	-0.1602	0.5042	1.01	0.3101

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Pre-Ins donor glucose	FastC-Pep>=0.3ng/mL					
<100	<0.3		14	19	18	18
	>=0.3		60	42	28	18
100-<140	<0.3		43	65	70	73
	>=0.3		210	155	118	91
>=140	<0.3		16	21	24	24
	>=0.3		86	61	44	35
Total	FastC-Pep>=0.3ng/mL					
	<0.3		73	105	112	115
	>=0.3		356	258	190	144
						111

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.3135	0.4565	0.4188 2.2083	2.88	0.0040	
yrspli	-0.2047	0.1129	-0.4259 0.0165	-1.81	0.0698	
preinsbg_mean_c	0.1815	0.2165	-0.2428 0.6059	0.84	0.4018	
yrspli*preinsbg_mean	-0.0458	0.0524	-0.1485 0.0570	-0.87	0.3829	

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.6501	0.3394	0.9849 2.3153	4.86	<.0001	
yrspli	-0.2992	0.0311	-0.3602 -0.2382	-9.62	<.0001	
preinsbg_mean_c	0.0172	0.1519	-0.2806 0.3150	0.11	0.9100	

Testing at 4-5 yr

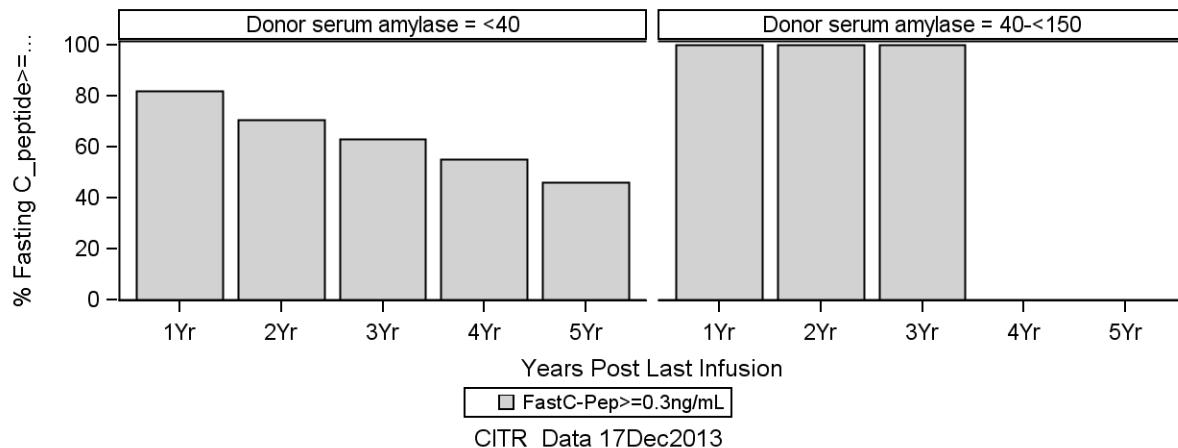
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	-1.7612	1.3362	-4.3801	0.8578	-1.32	0.1875
yrspli	0.3971	0.2820	-0.1557	0.9499	1.41	0.1591
preinsbg_mean_c	1.3890	0.6713	0.0732	2.7048	2.07	0.0385
yrspli*preinsbg_mean	-0.2989	0.1427	-0.5785	-0.0192	-2.09	0.0362

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.0167	0.5529	-0.0669	2.1004	1.84	0.0659
yrspli	-0.2246	0.0757	-0.3730	-0.0762	-2.97	0.0030
preinsbg_mean_c	0.0537	0.1965	-0.3315	0.4389	0.27	0.7846

Fasting C_peptide>=0.3 ng/mL



Years Post Last Infusion						
		1	2	3	4	5
Donor serum amylase	FastC-Pep>=0.3ng/mL	n	n	n	n	n
<40	<0.3	73	106	116	120	128
	≥0.3	326	252	198	148	110
40-<150	≥0.3	4	2	1	.	.

	Years Post Last Infusion				
	1	2	3	4	5
	n	n	n	n	n
Total	<i>FastC-Pep>=0.3ng/mL</i>				
<0.3	73	106	116	120	128
>=0.3	330	254	199	148	110

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	-19.1640	.	.	.	.
yrspli	-0.5737	.	.	.	.
seramy_mean_c	20.7638	.	.	.	.
yrspli*seramy_mean_c	0.2875	.	.	.	.

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	-21.5483	.	.	.	.
yrspli	-0.2858	.	.	.	.
seramy_mean_c	23.1637	.	.	.	.

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.1111	0.3374	0.4498 1.7723	3.29	0.0010
yrspli	-0.2237	0.0704	-0.3618 -0.0857	-3.18	0.0015
seramy_mean_c	0.0000	0.0000	0.0000 0.0000	.	.
yrspli*seramy_mean_c	0.0000	0.0000	0.0000 0.0000	.	.

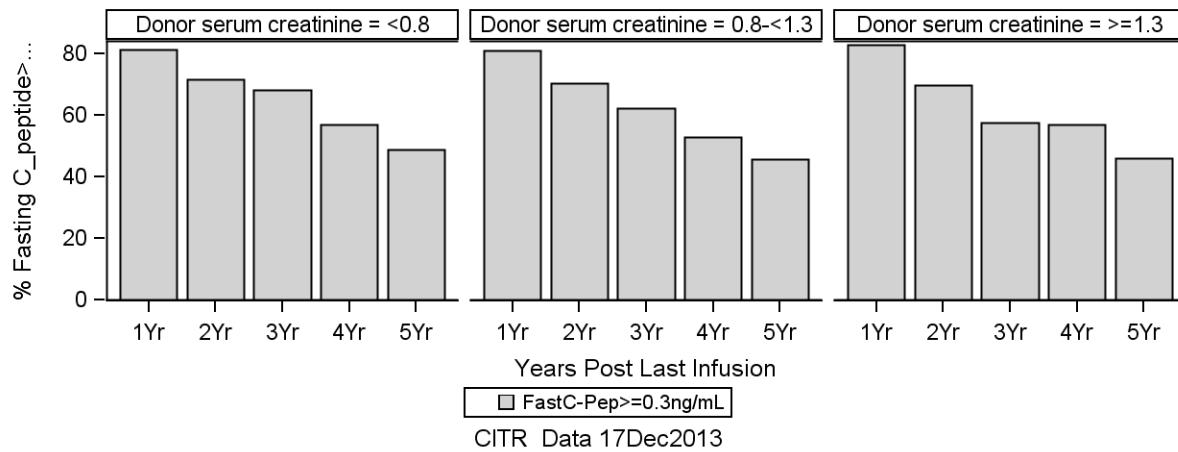
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1111	0.3374	0.4498	1.7723	3.29	0.0010
yrspli	-0.2237	0.0704	-0.3618	-0.0857	-3.18	0.0015
seramy_mean_c	0.0000	0.0000	0.0000	0.0000	.	.

Fasting C_peptide>=0.3 ng/mL



Donor serum creatinine	FastC-Pep>=0.3ng/mL	Years Post Last Infusion				
		1	2	3	4	5
n	n	n	n	n	n	n
<0.8	<0.3	21	24	20	22	22
	≥0.3	91	61	43	29	21
0.8-<1.3	<0.3	46	64	68	70	73
	≥0.3	195	153	112	78	61
>=1.3	<0.3	19	28	34	31	34
	≥0.3	92	65	46	41	29
Total	FastC-Pep>=0.3ng/mL					
	<0.3	86	116	122	123	129
	≥0.3	378	279	201	148	111

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.6452	0.3967	0.8677	2.4227	4.15	<.0001
<i>yrspli</i>	-0.2399	0.0958	-0.4276	-0.0521	-2.50	0.0123
<i>sercreat_mean_c</i>	-0.0192	0.1830	-0.3778	0.3394	-0.10	0.9164
<i>yrspli*sercreat_mean</i>	-0.0143	0.0434	-0.0993	0.0708	-0.33	0.7419

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.7518	0.3134	1.1376	2.3661	5.59	<.0001
<i>yrspli</i>	-0.2695	0.0298	-0.3279	-0.2111	-9.04	<.0001
<i>sercreat_mean_c</i>	-0.0709	0.1418	-0.3488	0.2069	-0.50	0.6168

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	0.8394	1.1766	-1.4667	3.1455	0.71	0.4756
<i>yrspli</i>	-0.1780	0.2502	-0.6684	0.3124	-0.71	0.4769
<i>sercreat_mean_c</i>	0.0828	0.5364	-0.9685	1.1341	0.15	0.8774
<i>yrspli*sercreat_mean</i>	-0.0130	0.1139	-0.2362	0.2102	-0.11	0.9091

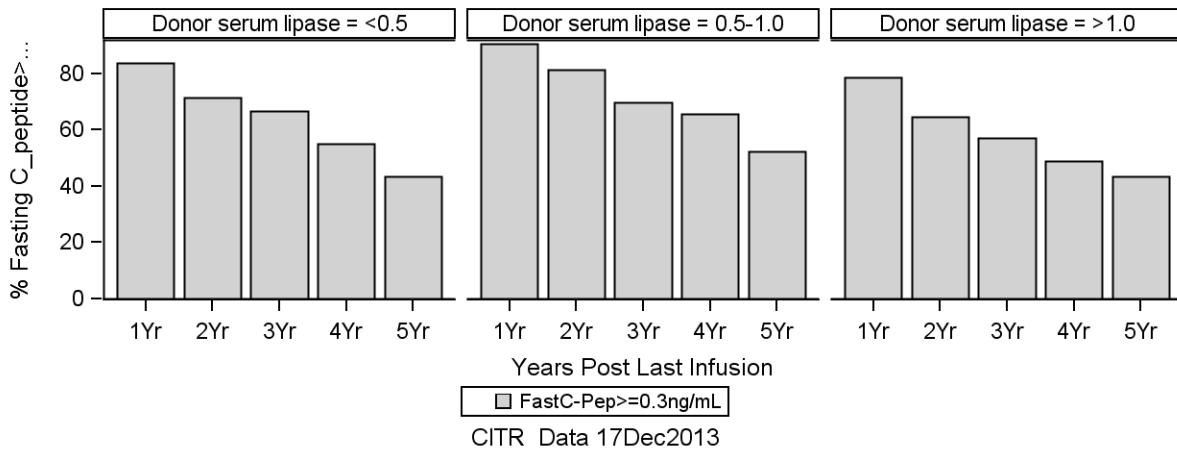
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	0.9610	0.4960	-0.0112	1.9332	1.94	0.0527
<i>yrspli</i>	-0.2053	0.0719	-0.3463	-0.0644	-2.86	0.0043
<i>sercreat_mean_c</i>	0.0249	0.1736	-0.3155	0.3652	0.14	0.8862

Fasting C_peptide>=0.3 ng/mL



Donor serum lipase	FastC-Pep >= 0.3ng/mL	Years Post Last Infusion				
		1	2	3	4	5
n	n	n	n	n	n	
<0.5	<0.3		23	36	37	42
	>=0.3		119	90	74	51
0.5-1.0	<0.3		8	14	20	18
	>=0.3		76	61	46	34
>1.0	<0.3		29	43	44	45
	>=0.3		107	78	58	43
<i>Total</i>		FastC-Pep >= 0.3ng/mL				
		<0.3	60	93	101	105
		>=0.3	302	229	178	128
						94

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	2.2588	0.4098	1.4557 3.0620	5.51	<.0001
yrspli	-0.4188	0.0925	-0.6001 -0.2375	-4.53	<.0001
serlip_mean_c	-0.2523	0.1767	-0.5986 0.0940	-1.43	0.1533
yrspli*serlip_mean_c	0.0521	0.0396	-0.0254 0.1297	1.32	0.1874

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.8187	0.2793	1.2712	2.3661	6.51	<.0001
yrspli	-0.3127	0.0344	-0.3801	-0.2453	-9.09	<.0001
serlip_mean_c	-0.0380	0.1223	-0.2776	0.2016	-0.31	0.7561

Testing at 4-5 yr

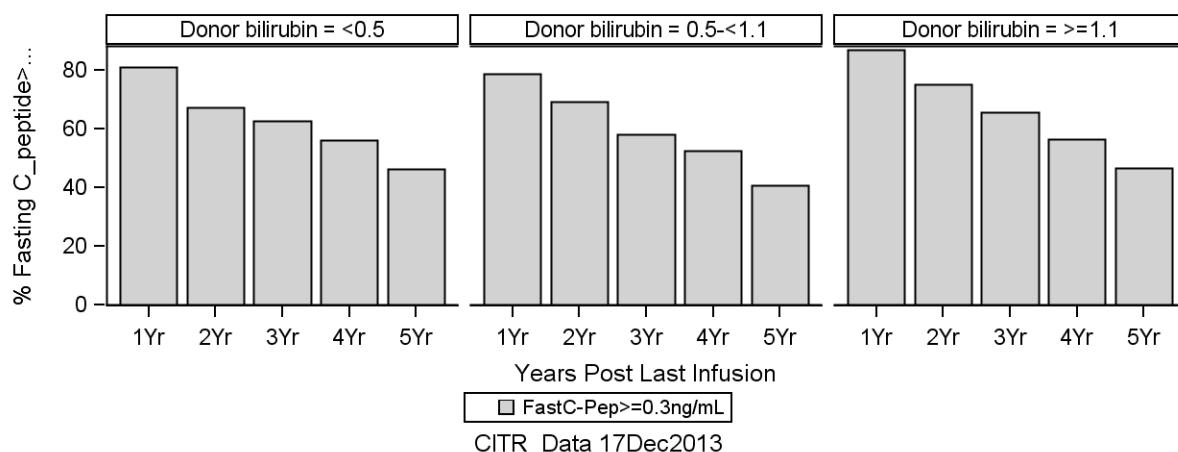
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	2.6510	1.1117	0.4721	4.8300	2.38	0.0171
yrspli	-0.5484	0.2375	-1.0139	-0.0829	-2.31	0.0210
serlip_mean_c	-0.7055	0.4629	-1.6128	0.2017	-1.52	0.1275
yrspli*serlip_mean_c	0.1446	0.0979	-0.0472	0.3365	1.48	0.1396

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.3592	0.4855	0.4076	2.3107	2.80	0.0051
yrspli	-0.2592	0.0849	-0.4256	-0.0929	-3.05	0.0023
serlip_mean_c	-0.0595	0.1422	-0.3382	0.2191	-0.42	0.6754

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion					
		1	2	3	4	5	
		n	n	n	n	n	
<i>Donor bilirubin</i> <i>FastC-Pep>=0.3ng/mL</i>							
<0.5	<0.3		13	17	16	14	15
	≥0.3		56	35	27	18	13
0.5-1.1	<0.3		50	64	67	65	71
	≥0.3		187	144	93	72	49
≥1.1	<0.3		13	21	24	23	24
	≥0.3		87	64	46	30	21
<i>Total</i>	<i>FastC-Pep>=0.3ng/mL</i>		76	102	107	102	110
	<0.3		330	243	166	120	83

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.1974	0.4509	0.3137 2.0811	2.66	0.0079	
yrspli	-0.1111	0.1152	-0.3368 0.1147	-0.96	0.3350	
totbili_mean_c	0.1926	0.2058	-0.2107 0.5959	0.94	0.3493	
yrspli*totbili_mean_c	-0.0728	0.0536	-0.1779 0.0323	-1.36	0.1748	

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.7467	0.3841	0.9938 2.4996	4.55	<.0001	
yrspli	-0.2619	0.0329	-0.3264 -0.1974	-7.96	<.0001	
totbili_mean_c	-0.0695	0.1670	-0.3967 0.2578	-0.42	0.6773	

Testing at 4-5 yr

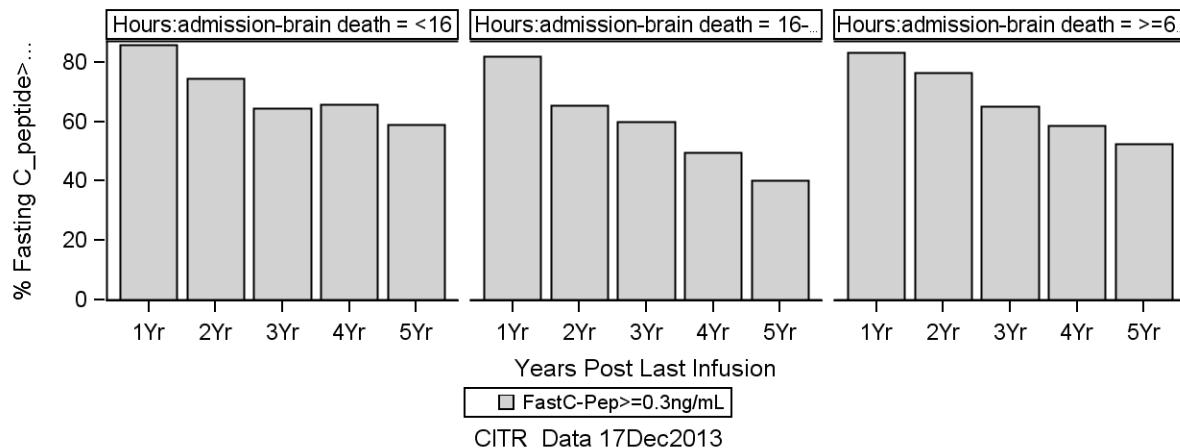
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.3075	1.4226	-1.4807	4.0957	0.92	0.3580
yrspli	-0.2878	0.3017	-0.8791	0.3035	-0.95	0.3401
totbili_mean_c	-0.0207	0.6168	-1.2297	1.1883	-0.03	0.9733
yrspli*totbili_mean_c	0.0069	0.1299	-0.2477	0.2616	0.05	0.9575

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.2449	0.5698	0.1282	2.3616	2.18	0.0289
yrspli	-0.2738	0.0758	-0.4223	-0.1253	-3.61	0.0003
totbili_mean_c	0.0102	0.2102	-0.4018	0.4221	0.05	0.9615

Fasting C_peptide>=0.3 ng/mL



Years Post Last Infusion						
		1	2	3	4	5
	n	n	n	n	n	n
Hours:admission-brain death	FastC-Pep>=0.3ng/mL					
<16	<0.3		8	12	15	12
	≥0.3		48	35	27	23
16-<60	<0.3		33	56	58	62
	≥0.3		150	106	86	61

		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
>=60	<0.3	16	21	27	27	28
	>=0.3	78	68	50	38	31
Total	<i>FastC-Pep</i> >= 0.3 ng/mL					
	<0.3	57	89	100	101	108
	>=0.3	276	209	163	122	95

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.6258	0.4503	0.7432 2.5084	3.61	0.0003
yrspli	-0.2633	0.0978	-0.4549 -0.0716	-2.69	0.0071
admtodth_mean_c	0.0158	0.2045	-0.3850 0.4166	0.08	0.9385
yrspli*admtodth_mean	-0.0165	0.0459	-0.1065 0.0735	-0.36	0.7194

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.7570	0.3804	1.0114 2.5027	4.62	<.0001
yrspli	-0.2983	0.0334	-0.3638 -0.2329	-8.93	<.0001
admtodth_mean_c	-0.0458	0.1621	-0.3636 0.2719	-0.28	0.7773

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.8545	1.5248	-1.1341 4.8430	1.22	0.2239
yrspli	-0.3810	0.3284	-1.0246 0.2626	-1.16	0.2459
admtodth_mean_c	-0.4054	0.6064	-1.5938 0.7831	-0.67	0.5038
yrspli*admtodth_mean	0.0857	0.1291	-0.1673 0.3387	0.66	0.5068

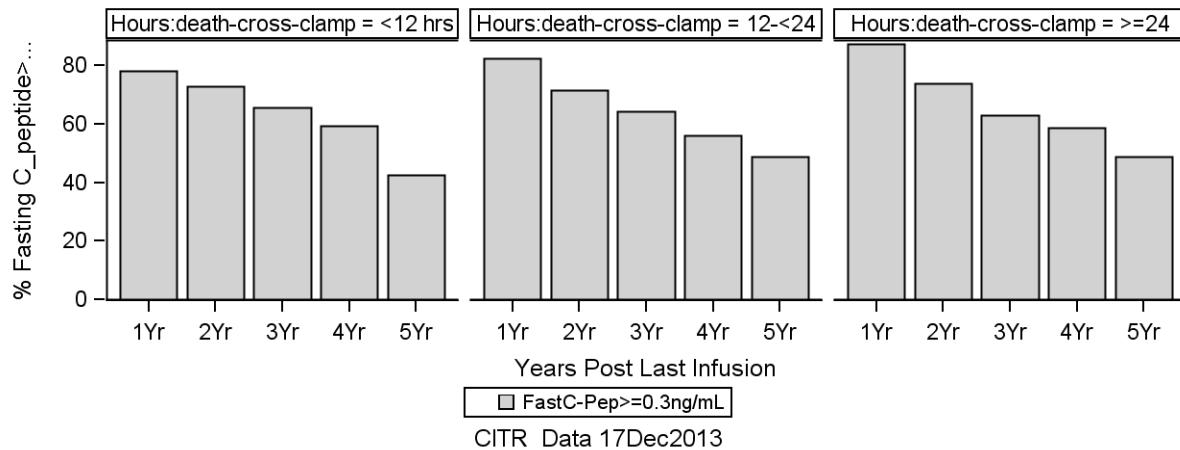
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.0374	0.5575	-0.0553	2.1300	1.86	0.0628
yrspli	-0.1992	0.0807	-0.3573	-0.0410	-2.47	0.0136
admtodth_mean_c	-0.0207	0.1933	-0.3996	0.3582	-0.11	0.9146

Fasting C_peptide>=0.3 ng/mL



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		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Hours:death-cross-clamp	FastC-Pep>=0.3ng/mL					
<12 hrs	<0.3	14	18	22	22	27
	≥0.3	50	48	42	32	20
12-<24	<0.3	44	64	71	74	77
	≥0.3	205	160	127	94	73
>=24	<0.3	12	19	20	19	21
	≥0.3	82	53	34	27	20
Total	FastC-Pep>=0.3ng/mL					
	<0.3	70	101	113	115	125
	≥0.3	337	261	203	153	113

Testing at 1-5 yr

The GENMOD Procedure

CITR Data 17Dec2013

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.3500	0.4818	0.4056	2.2943	2.80	0.0051
yrspli	-0.2729	0.1072	-0.4829	-0.0629	-2.55	0.0109
dthtoclp_mean_c	0.1797	0.2262	-0.2637	0.6232	0.79	0.4269
yrspli*dthtoclp_mean	-0.0104	0.0516	-0.1114	0.0907	-0.20	0.8408

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.4293	0.3575	0.7286	2.1301	4.00	<.0001
yrspli	-0.2934	0.0316	-0.3554	-0.2314	-9.28	<.0001
dthtoclp_mean_c	0.1400	0.1596	-0.1729	0.4529	0.88	0.3805

Testing at 4-5 yr

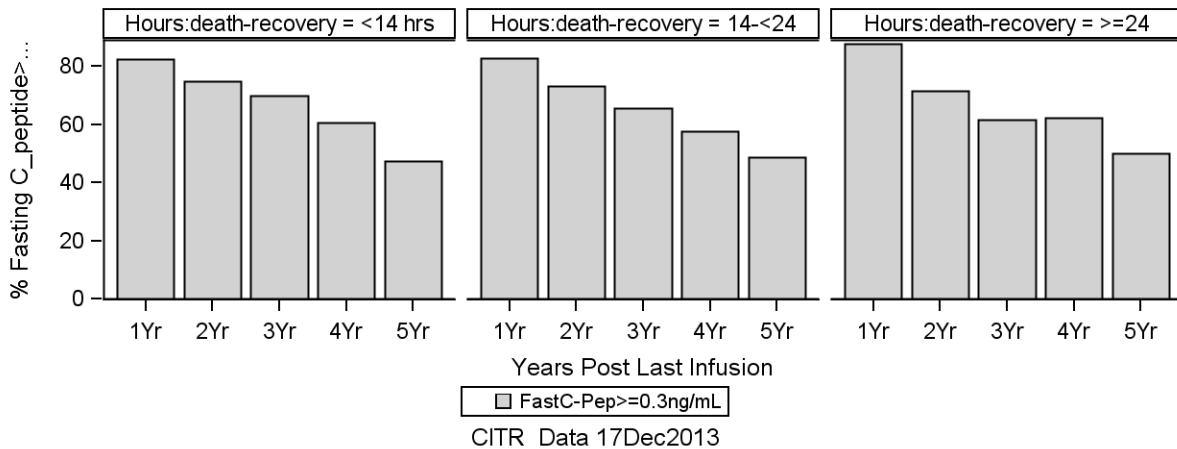
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.9461	1.3306	-0.6618	4.5540	1.46	0.1436
yrspli	-0.4132	0.2840	-0.9699	0.1434	-1.45	0.1457
dthtoclp_mean_c	-0.3423	0.6603	-1.6365	0.9518	-0.52	0.6041
yrspli*dthtoclp_mean	0.0854	0.1415	-0.1919	0.3627	0.60	0.5461

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1970	0.5200	0.1778	2.2162	2.30	0.0213
yrspli	-0.2454	0.0764	-0.3951	-0.0957	-3.21	0.0013
dthtoclp_mean_c	0.0388	0.1893	-0.3322	0.4097	0.20	0.8377

Fasting C_peptide>=0.3 ng/mL



Hours:death-recovery	FastC-Pep>=0.3ng/mL	Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<14 hrs	<0.3	14	20	22	24	28
	>=0.3	66	59	51	37	25
14-<24	<0.3	30	41	47	48	52
	>=0.3	144	112	89	65	49
>=24	<0.3	11	20	20	17	19
	>=0.3	78	50	32	28	19
Total	FastC-Pep>=0.3ng/mL					
	<0.3	55	81	89	89	99
	>=0.3	288	221	172	130	93

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.6806	0.4845	0.7310 2.6302	3.47	0.0005
yrspli	-0.3227	0.1133	-0.5448 -0.1006	-2.85	0.0044
dthtorec_mean_c	0.0494	0.2227	-0.3871 0.4859	0.22	0.8244
yrspli*dthtorec_mean	0.0160	0.0522	-0.0864 0.1183	0.31	0.7598

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.5587	0.3496	0.8734	2.2440	4.46	<.0001
yrspli	-0.2917	0.0361	-0.3625	-0.2208	-8.07	<.0001
dthtorec_mean_c	0.1113	0.1599	-0.2021	0.4247	0.70	0.4862

Testing at 4-5 yr

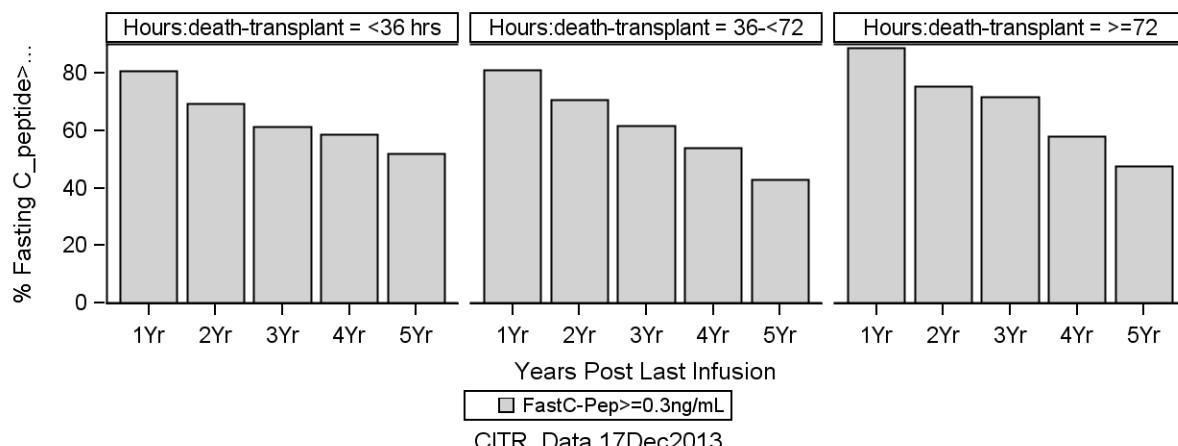
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.4819	1.3604	-1.1845	4.1483	1.09	0.2760
yrspli	-0.2911	0.2918	-0.8630	0.2807	-1.00	0.3184
dthtorec_mean_c	0.0157	0.6832	-1.3234	1.3548	0.02	0.9817
yrspli*dthtorec_mean	0.0050	0.1471	-0.2832	0.2933	0.03	0.9728

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.4408	0.5491	0.3645	2.5171	2.62	0.0087
yrspli	-0.2820	0.0881	-0.4546	-0.1094	-3.20	0.0014
dthtorec_mean_c	0.0381	0.1842	-0.3229	0.3992	0.21	0.8360

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Hours:death-transplant	FastC-Pep>=0.3ng/mL					
<36 hrs	<0.3		19	29	36	35
	>=0.3		80	66	57	50
36-<72	<0.3		42	57	64	64
	>=0.3		180	137	103	75
>=72	<0.3		11	20	18	21
	>=0.3		88	61	46	29
Total	FastC-Pep>=0.3ng/mL					
	<0.3		72	106	118	120
	>=0.3		348	264	206	154
						114

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.0249	0.3791	0.2818 1.7680	2.70	0.0069	
yrspli	-0.2142	0.0877	-0.3860 -0.0423	-2.44	0.0146	
dthtotx_mean_c	0.3475	0.1894	-0.0237 0.7187	1.83	0.0665	
yrspli*dthtotx_mean_c	-0.0430	0.0452	-0.1315 0.0455	-0.95	0.3412	

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.3359	0.3163	0.7160 1.9557	4.22	<.0001	
yrspli	-0.2943	0.0308	-0.3547 -0.2338	-9.54	<.0001	
dthtotx_mean_c	0.1818	0.1443	-0.1010 0.4646	1.26	0.2078	

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	0.9557	0.9324	-0.8718	2.7833	1.03	0.3054
<i>yrspli</i>	-0.1627	0.1934	-0.5418	0.2163	-0.84	0.4001
<i>dthtotx_mean_c</i>	0.1394	0.4671	-0.7761	1.0550	0.30	0.7653
<i>yrspli*dthtotx_mean_c</i>	-0.0414	0.0971	-0.2317	0.1489	-0.43	0.6699

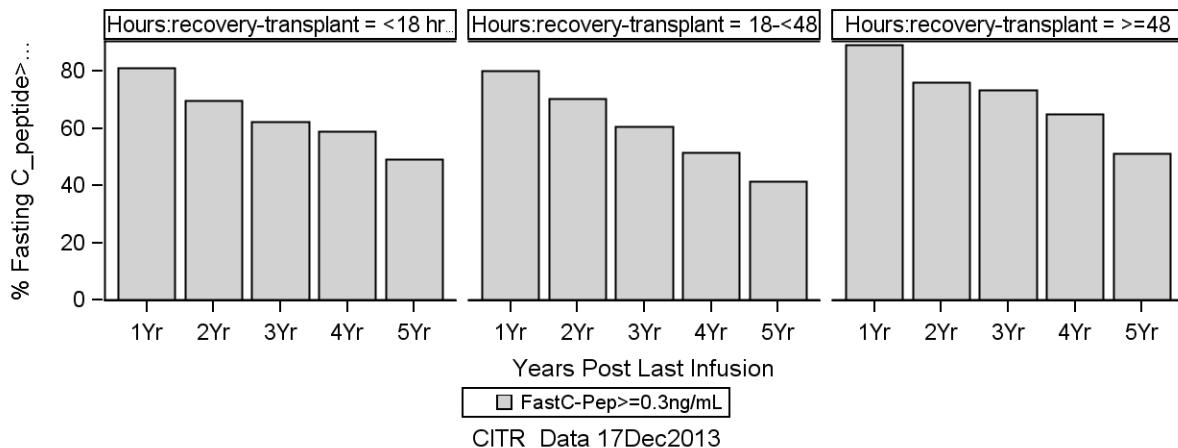
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.3009	0.4767	0.3665	2.2352	2.73	0.0064
<i>yrspli</i>	-0.2396	0.0744	-0.3853	-0.0938	-3.22	0.0013
<i>dthtotx_mean_c</i>	-0.0463	0.1684	-0.3764	0.2838	-0.27	0.7836

Fasting C_peptide>=0.3 ng/mL



FastC-Pep>=0.3ng/mL

CITR Data 17Dec2013

		Years Post Last Infusion				
		1	2	3	4	5
		<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>
<i>Hours:recovery-transplant</i>	<i>FastC-Pep>=0.3ng/mL</i>					
<18 hrs	<0.3	16	24	28	28	33
	≥ 0.3	69	55	46	40	32
18-<48	<0.3	38	49	56	56	57
	≥ 0.3	151	116	86	59	40

		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
>=48	<0.3	11	20	18	19	23
	>=0.3	90	63	49	35	24
Total	FastC-Pep>=0.3ng/mL					
	<0.3	65	93	102	103	113
	>=0.3	310	234	181	134	96

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.1134	0.4124	0.3052 1.9217	2.70	0.0069
yrspli	-0.2289	0.0957	-0.4166 -0.0413	-2.39	0.0168
rectotx_mean_c	0.2866	0.1956	-0.0968 0.6700	1.46	0.1429
yrspli*rectotx_mean_	-0.0335	0.0459	-0.1234 0.0564	-0.73	0.4649

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.3571	0.3296	0.7111 2.0031	4.12	<.0001
yrspli	-0.2931	0.0335	-0.3588 -0.2275	-8.75	<.0001
rectotx_mean_c	0.1603	0.1481	-0.1300 0.4505	1.08	0.2791

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	0.7190	1.1650	-1.5645 3.0024	0.62	0.5372
yrspli	-0.1658	0.2481	-0.6522 0.3206	-0.67	0.5040
rectotx_mean_c	0.3045	0.5691	-0.8108 1.4199	0.54	0.5925
yrspli*rectotx_mean_	-0.0485	0.1215	-0.2867 0.1897	-0.40	0.6898

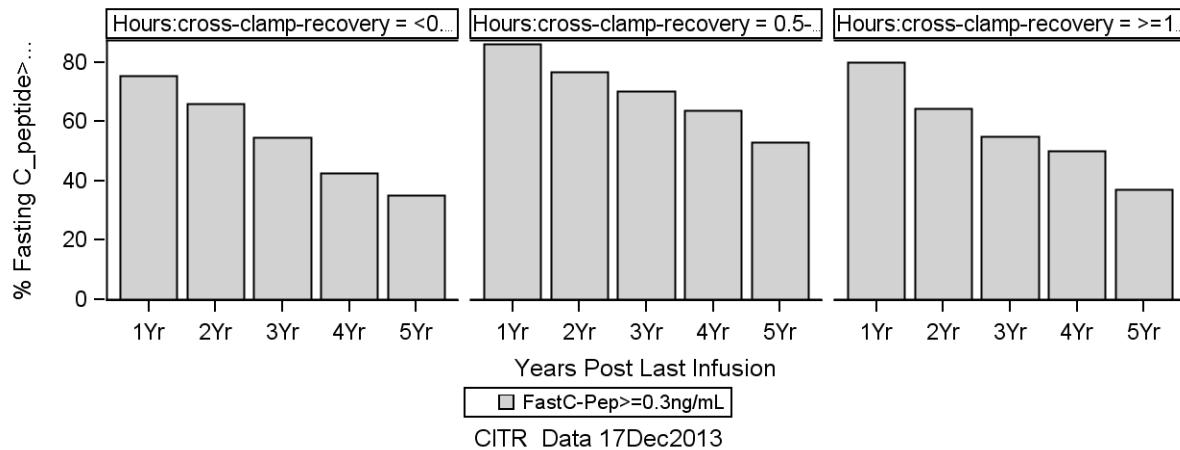
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1356	0.5081	0.1399	2.1314	2.24	0.0254
yrspli	-0.2588	0.0803	-0.4162	-0.1015	-3.22	0.0013
rectotx_mean_c	0.0874	0.1714	-0.2487	0.4234	0.51	0.6104

Fasting C_peptide>=0.3 ng/mL



CITR Data 17Dec2013

		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Hours:cross-clamp-recovery	FastC-Pep>=0.3ng/mL					
<0.5 hrs	<0.3		15	19	20	23
	≥0.3		46	37	24	17
0.5-1.0	<0.3		30	45	52	51
	≥0.3		186	147	122	89
≥1.0	<0.3		19	27	28	27
	≥0.3		76	49	34	27
Total	FastC-Pep>=0.3ng/mL					
	<0.3		64	91	100	101
	≥0.3		308	233	180	133
						95

Testing at 1-5 yr

The GENMOD Procedure

CITR Data 17Dec2013

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.7220	0.5508	0.6424	2.8015	3.13	0.0018
yrspli	-0.3518	0.1241	-0.5951	-0.1086	-2.83	0.0046
clptorec_mean_c	-0.0109	0.2548	-0.5102	0.4884	-0.04	0.9659
yrspli*clptorec_mean	0.0280	0.0579	-0.0855	0.1415	0.48	0.6285

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.4947	0.3788	0.7522	2.2371	3.95	<.0001
yrspli	-0.2939	0.0341	-0.3607	-0.2271	-8.62	<.0001
clptorec_mean_c	0.0993	0.1696	-0.2332	0.4318	0.59	0.5584

Testing at 4-5 yr

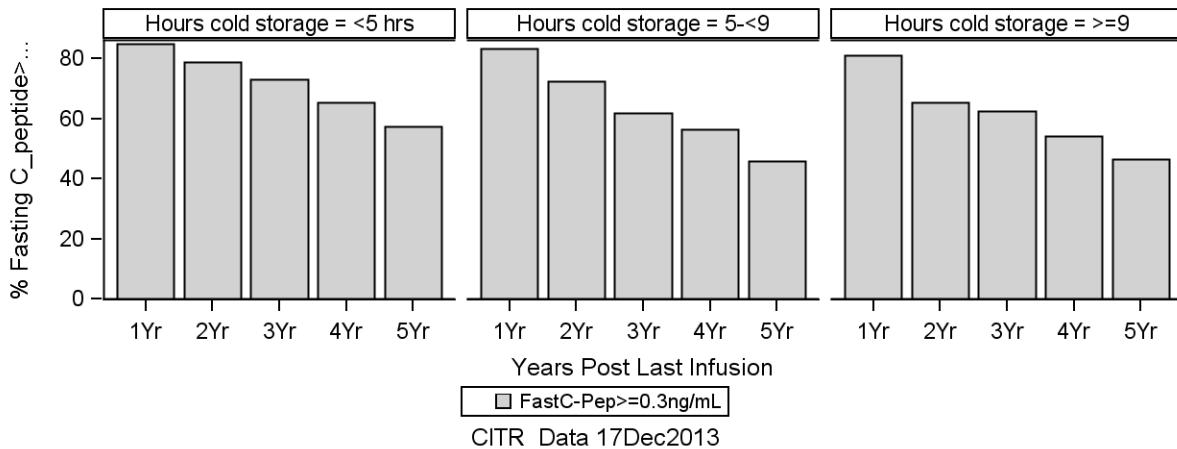
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.8951	1.3174	-1.6869	3.4771	0.68	0.4968
yrspli	-0.1988	0.2722	-0.7322	0.3346	-0.73	0.4651
clptorec_mean_c	0.2132	0.6204	-1.0029	1.4292	0.34	0.7312
yrspli*clptorec_mean	-0.0311	0.1280	-0.2819	0.2197	-0.24	0.8080

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1830	0.5677	0.0704	2.2956	2.08	0.0372
yrspli	-0.2629	0.0815	-0.4226	-0.1033	-3.23	0.0012
clptorec_mean_c	0.0735	0.2024	-0.3232	0.4701	0.36	0.7166

Fasting C_peptide>=0.3 ng/mL



CITR Data 17Dec2013

Hours cold storage		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>FastC-Pep>=0.3ng/mL</i>						
<5 hrs	<0.3	11	13	15	16	17
	≥0.3	62	48	41	30	23
5-9	<0.3	39	59	70	70	79
	≥0.3	193	154	113	90	67
≥9	<0.3	18	30	30	32	31
	≥0.3	77	57	50	38	27
Total	<i>FastC-Pep>=0.3ng/mL</i>					
	<0.3	68	102	115	118	127
	≥0.3	332	259	204	158	117

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	2.3655	0.4864	1.4122 3.3188	4.86	<.0001
yrspli	-0.3473	0.1076	-0.5582 -0.1364	-3.23	0.0012
coldstor_mean_c	-0.3126	0.2137	-0.7314 0.1062	-1.46	0.1435
yrspli*coldstor_mean	0.0237	0.0471	-0.0687 0.1161	0.50	0.6148

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	2.1576	0.3541	1.4636	2.8516	6.09	<.0001
yrspli	-0.2970	0.0313	-0.3584	-0.2357	-9.49	<.0001
coldstor_mean_c	-0.2160	0.1564	-0.5226	0.0905	-1.38	0.1672

Testing at 4-5 yr

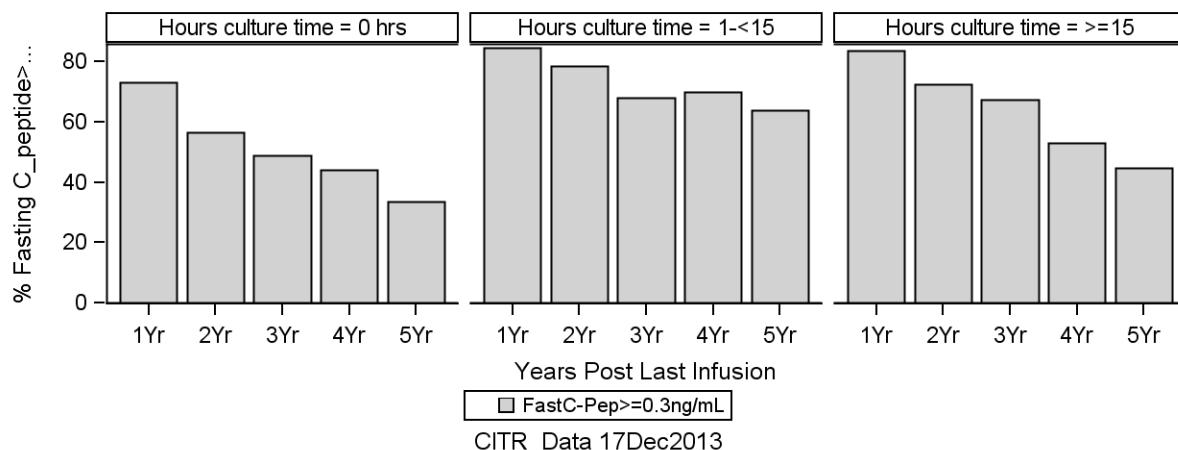
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	2.5524	1.2065	0.1877	4.9172	2.12	0.0344
yrspli	-0.4522	0.2535	-0.9490	0.0446	-1.78	0.0744
coldstor_mean_c	-0.6515	0.5102	-1.6514	0.3484	-1.28	0.2016
yrspli*coldstor_mean	0.1097	0.1063	-0.0986	0.3181	1.03	0.3021

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.5288	0.5144	0.5205	2.5371	2.97	0.0030
yrspli	-0.2242	0.0731	-0.3675	-0.0809	-3.07	0.0022
coldstor_mean_c	-0.1602	0.1816	-0.5162	0.1958	-0.88	0.3778

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>Hours culture time</i> <i>FastC-Pep>=0.3ng/mL</i>						
0 hrs	<0.3	25	37	42	43	48
	≥0.3	68	48	40	34	24
1-15	<0.3	13	17	23	19	22
	≥0.3	71	62	49	44	39
≥15	<0.3	37	51	50	58	56
	≥0.3	187	134	103	65	45
Total	<i>FastC-Pep>=0.3ng/mL</i>					
	<0.3	75	105	115	120	126
	≥0.3	326	244	192	143	108

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	0.9487	0.3698	0.2239 1.6734	2.57	0.0103	
yrspli	-0.2798	0.0808	-0.4382 -0.1214	-3.46	0.0005	
cultime_mean_c	0.2794	0.1586	-0.0315 0.5903	1.76	0.0781	
yrspli*cultime_mean_c	-0.0033	0.0357	-0.0733 0.0667	-0.09	0.9261	

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	0.9730	0.2997	0.3856 1.5604	3.25	0.0012	
yrspli	-0.2869	0.0306	-0.3469 -0.2268	-9.36	<.0001	
cultime_mean_c	0.2679	0.1203	0.0321 0.5037	2.23	0.0259	

Testing at 4-5 yr

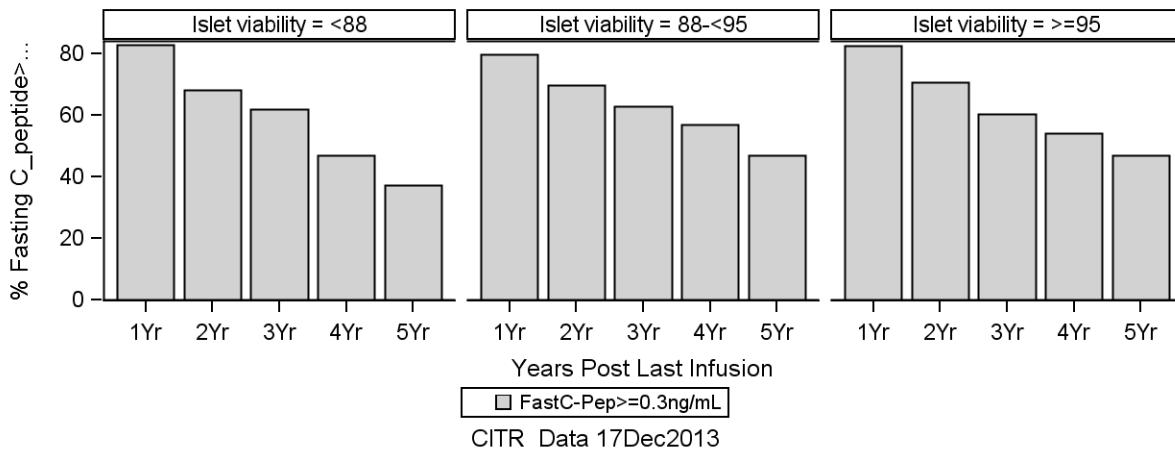
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.4913	0.8930	-0.2590	3.2416	1.67	0.0949
yrspli	-0.3989	0.1842	-0.7599	-0.0379	-2.17	0.0303
cultime_mean_c	-0.2556	0.3980	-1.0356	0.5244	-0.64	0.5207
yrspli*cultime_mean_c	0.0968	0.0828	-0.0655	0.2592	1.17	0.2423

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.5733	0.4584	-0.3253	1.4718	1.25	0.2111
yrspli	-0.1926	0.0723	-0.3343	-0.0510	-2.67	0.0077
cultime_mean_c	0.1753	0.1397	-0.0984	0.4491	1.26	0.2093

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Islet viability	FastC-Pep>=0.3ng/mL					
<88	<0.3	20	30	30	33	32
	>=0.3	97	64	49	29	19
88-<95	<0.3	35	47	53	52	58
	>=0.3	137	109	90	69	51

		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
>=95	<0.3	20	29	33	34	36
	>=0.3	94	70	50	40	32
Total	FastC-Pep>=0.3ng/mL					
	<0.3	75	106	116	119	126
	>=0.3	328	243	189	138	102

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.6570	0.3879	0.8968 2.4172	4.27	<.0001
yrspli	-0.2965	0.0963	-0.4851 -0.1078	-3.08	0.0021
iptviab_mean_c	-0.0304	0.1776	-0.3785 0.3177	-0.17	0.8642
yrspli*iptviab_mean_	0.0064	0.0443	-0.0804 0.0932	0.14	0.8850

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.6119	0.2972	1.0294 2.1944	5.42	<.0001
yrspli	-0.2834	0.0312	-0.3445 -0.2223	-9.09	<.0001
iptviab_mean_c	-0.0081	0.1331	-0.2690 0.2528	-0.06	0.9515

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	0.9952	1.2954	-1.5437 3.5341	0.77	0.4423
yrspli	-0.2857	0.2797	-0.8339 0.2625	-1.02	0.3070
iptviab_mean_c	0.0203	0.5313	-1.0211 1.0617	0.04	0.9696
yrspli*iptviab_mean_	0.0319	0.1128	-0.1892 0.2529	0.28	0.7775

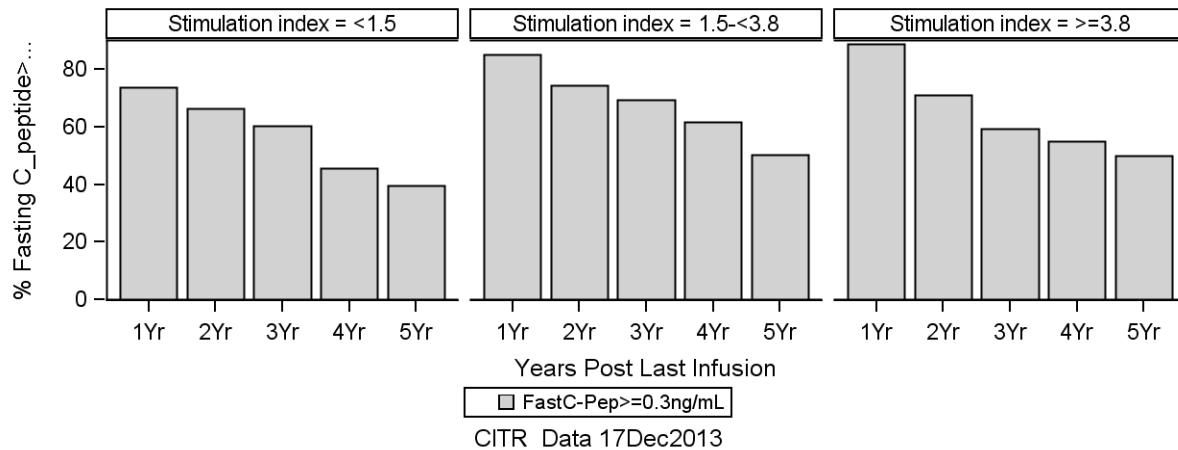
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.7037	0.4846	-0.2460	1.6535	1.45	0.1464
yrspli	-0.2200	0.0758	-0.3686	-0.0713	-2.90	0.0037
iptviab_mean_c	0.1619	0.1648	-0.1611	0.4850	0.98	0.3259

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Stimulation index	FastC-Pep>=0.3ng/mL					
<1.5	<0.3	20	22	23	25	26
	>=0.3	56	43	35	21	17
1.5-<3.8	<0.3	33	50	53	56	64
	>=0.3	190	146	119	90	65
>=3.8	<0.3	10	23	29	28	28
	>=0.3	79	56	42	34	28
Total	FastC-Pep>=0.3ng/mL					
	<0.3	63	95	105	109	118
	>=0.3	325	245	196	145	110

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.2951	0.4856	0.3433	2.2470	2.67	0.0077
<i>yrspli</i>	-0.1863	0.1036	-0.3892	0.0167	-1.80	0.0721
<i>isstimin_mean_c</i>	0.2203	0.2244	-0.2196	0.6602	0.98	0.3263
<i>yrspli*isstimin_mean</i>	-0.0570	0.0477	-0.1506	0.0366	-1.19	0.2326

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.7600	0.3700	1.0348	2.4852	4.76	<.0001
<i>yrspli</i>	-0.3015	0.0323	-0.3649	-0.2381	-9.32	<.0001
<i>isstimin_mean_c</i>	-0.0069	0.1639	-0.3282	0.3143	-0.04	0.9663

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	2.0071	1.1341	-0.2157	4.2300	1.77	0.0768
<i>yrspli</i>	-0.5123	0.2345	-0.9719	-0.0527	-2.18	0.0289
<i>isstimin_mean_c</i>	-0.3803	0.5286	-1.4165	0.6558	-0.72	0.4719
<i>yrspli*isstimin_mean</i>	0.1355	0.1090	-0.0782	0.3492	1.24	0.2140

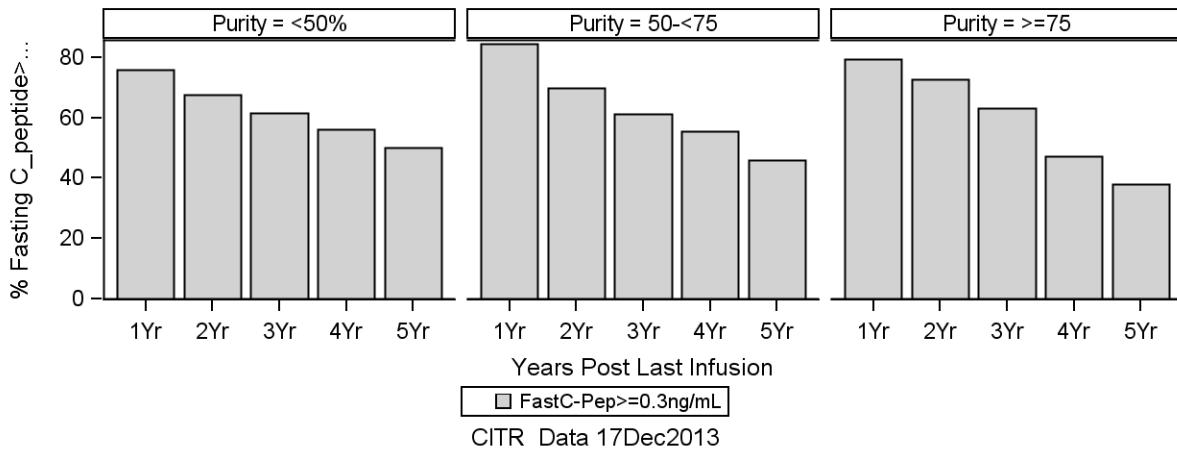
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	0.7576	0.5309	-0.2829	1.7981	1.43	0.1535
<i>yrspli</i>	-0.2341	0.0784	-0.3877	-0.0804	-2.99	0.0028
<i>isstimin_mean_c</i>	0.2294	0.1899	-0.1427	0.6015	1.21	0.2269

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Purity						
<50%	<0.3	21	24	25	26	26
	>=0.3	66	50	40	33	26
50-<75	<0.3	35	63	71	71	77
	>=0.3	190	145	112	88	65
>=75	<0.3	19	21	25	27	28
	>=0.3	73	56	43	24	17
Total		<i>FastC-Pep>=0.3ng/mL</i>				
	<0.3	75	108	121	124	131
	>=0.3	329	251	195	145	108

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.1521	0.4463	0.2774 2.0269	2.58	0.0098
yrspli	-0.1765	0.0956	-0.3639 0.0109	-1.85	0.0649
purity_c	0.2212	0.2173	-0.2047 0.6471	1.02	0.3088
yrspli*purity_c	-0.0585	0.0478	-0.1523 0.0352	-1.22	0.2213

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.6355	0.3272	0.9941	2.2769	5.00	<.0001
yrspli	-0.2925	0.0306	-0.3524	-0.2325	-9.56	<.0001
purity_c	-0.0213	0.1438	-0.3032	0.2605	-0.15	0.8822

Testing at 4-5 yr

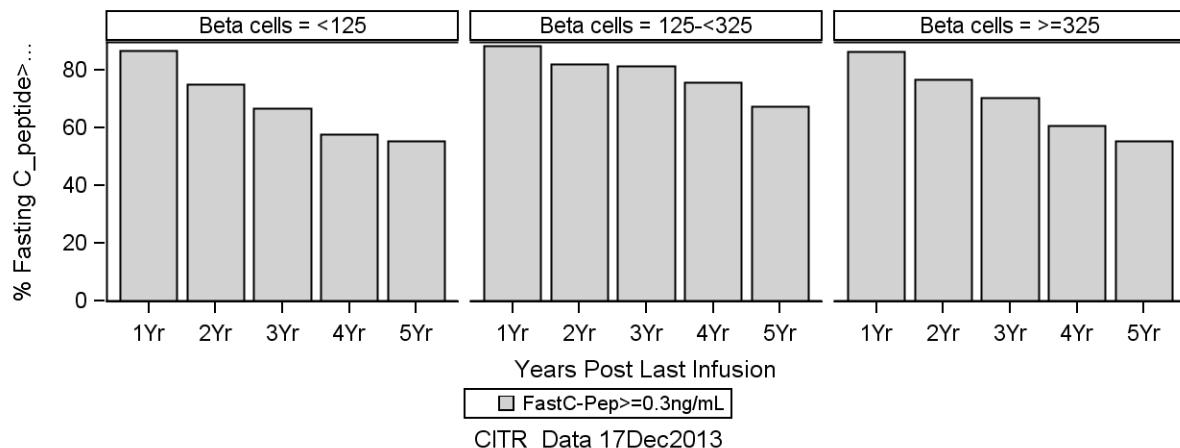
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.8784	1.1457	-1.3671	3.1239	0.77	0.4432
yrspli	-0.0935	0.2409	-0.5657	0.3787	-0.39	0.6979
purity_c	0.0615	0.5198	-0.9573	1.0804	0.12	0.9058
yrspli*purity_c	-0.0587	0.1085	-0.2713	0.1540	-0.54	0.5887

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.3951	0.5057	0.4039	2.3862	2.76	0.0058
yrspli	-0.2093	0.0724	-0.3513	-0.0673	-2.89	0.0039
purity_c	-0.1998	0.1857	-0.5638	0.1642	-1.08	0.2821

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>Beta cells FastC-Pep>=0.3ng/mL</i>						
<125	<0.3		4	6	7	8
	>=0.3		26	18	14	11
125-<325	<0.3		6	8	10	12
	>=0.3		46	37	35	31
>=325	<0.3		10	16	19	20
	>=0.3		64	53	45	31
Total	<i>FastC-Pep>=0.3ng/mL</i>		20	30	34	38
	<0.3		136	108	94	73
	>=0.3					60

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	2.2165	0.8178	0.6138	3.8193	2.71	0.0067
yrspli	-0.2498	0.1917	-0.6255	0.1259	-1.30	0.1925
totalbeta_c	-0.0746	0.3344	-0.7299	0.5808	-0.22	0.8235
yrspli*totalbeta_c	-0.0221	0.0794	-0.1778	0.1335	-0.28	0.7803

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	2.4329	0.6306	1.1969	3.6690	3.86	0.0001
yrspli	-0.3008	0.0546	-0.4079	-0.1937	-5.51	<.0001
totalbeta_c	-0.1667	0.2424	-0.6417	0.3083	-0.69	0.4915

Testing at 4-5 yr

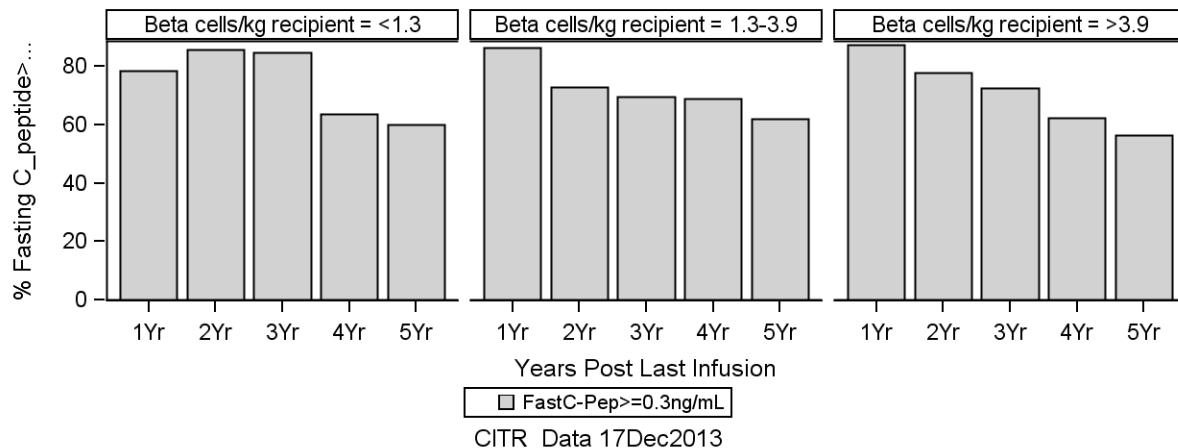
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	2.1865	1.8483	-1.4360 5.8090	1.18	0.2368	
yrspli	-0.3395	0.3731	-1.0709 0.3918	-0.91	0.3629	
totalbeta_c	-0.3462	0.8033	-1.9207 1.2282	-0.43	0.6665	
yrspli*totalbeta_c	0.0674	0.1645	-0.2550 0.3899	0.41	0.6819	

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.4883	0.8886	-0.2533 3.2300	1.67	0.0940	
yrspli	-0.1859	0.1349	-0.4503 0.0786	-1.38	0.1684	
totalbeta_c	-0.0402	0.2668	-0.5631 0.4827	-0.15	0.8802	

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Beta cells/kg recipient	FastC-Pep>=0.3ng/mL					
<1.3	<0.3		3	2	2	4
	>=0.3		11	12	11	7
1.3-3.9	<0.3		5	9	10	11
	>=0.3		32	24	23	22
						18

		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
>3.9	<0.3	10	17	20	23	24
	≥0.3	69	59	53	38	31
Total	FastC-Pep>=0.3ng/mL					
	<0.3	18	28	32	37	39
	≥0.3	112	95	87	67	55

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.6340	1.0605	-0.4446 3.7127	1.54	0.1234	
yrspli	-0.1090	0.2421	-0.5835 0.3655	-0.45	0.6526	
totbetakg_c	0.1301	0.4048	-0.6632 0.9234	0.32	0.7479	
yrspli*totbetakg_c	-0.0767	0.0938	-0.2606 0.1072	-0.82	0.4137	

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	2.4883	0.7568	1.0049 3.9716	3.29	0.0010	
yrspli	-0.3007	0.0570	-0.4124 -0.1890	-5.28	<.0001	
totbetakg_c	-0.2054	0.2689	-0.7325 0.3216	-0.76	0.4449	

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	2.3844	2.3215	-2.1658 6.9345	1.03	0.3044	
yrspli	-0.3793	0.4825	-1.3250 0.5664	-0.79	0.4318	
totbetakg_c	-0.4079	0.9754	-2.3196 1.5038	-0.42	0.6758	
yrspli*totbetakg_c	0.0745	0.2057	-0.3286 0.4776	0.36	0.7171	

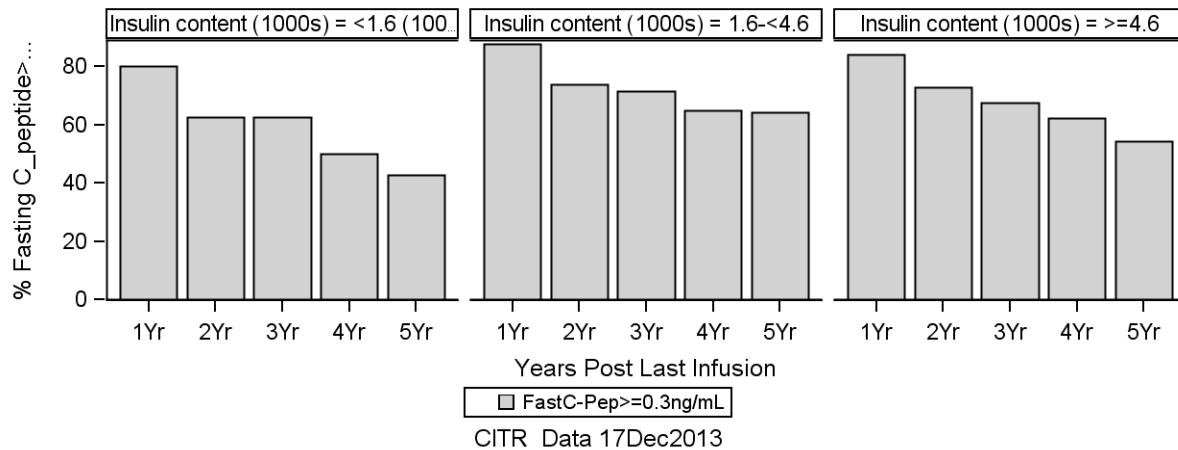
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

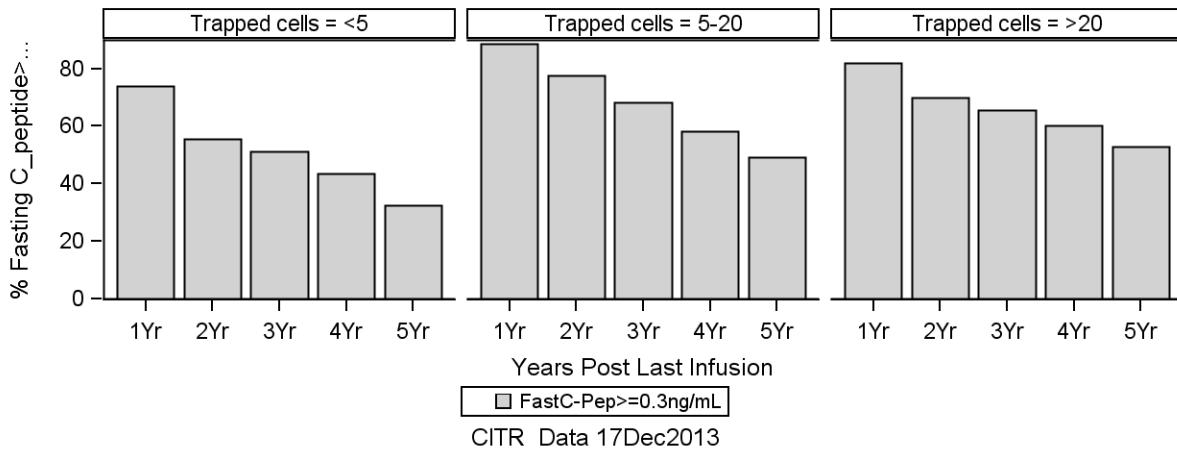
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.5497	0.9884	-0.3875 3.4868	1.57	0.1169
yrspli	-0.1939	0.1412	-0.4707 0.0829	-1.37	0.1697
totbetakg_c	-0.0726	0.2896	-0.6402 0.4950	-0.25	0.8021

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Insulin content (1000s)	FastC-Pep>=0.3ng/mL					
<1.6 (1000s)	<0.3		2	3	3	4
	>=0.3		8	5	5	4
1.6-<4.6	<0.3		6	13	14	14
	>=0.3		43	37	35	26
>=4.6	<0.3		14	23	26	29
	>=0.3		75	62	54	48
Total	FastC-Pep>=0.3ng/mL					
	<0.3		22	39	43	47
	>=0.3		126	104	94	78

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>Trapped cells</i>						
<5	FastC-Pep>=0.3ng/mL					
<5	<0.3	17	25	24	26	29
<5	≥0.3	48	31	25	20	14
5-20	<0.3	16	26	33	34	34
5-20	≥0.3	124	90	71	47	33
>20	<0.3	16	22	21	22	24
>20	≥0.3	73	51	40	33	27
Total	FastC-Pep>=0.3ng/mL					
Total	<0.3	49	73	78	82	87
Total	≥0.3	245	172	136	100	74

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.2041	0.4982	0.2276 2.1806	2.42	0.0157
yrspli	-0.3114	0.1109	-0.5289 -0.0939	-2.81	0.0050
tottrap_c	0.2510	0.2385	-0.2166 0.7185	1.05	0.2928
yrspli*tottrap_c	-0.0015	0.0510	-0.1015 0.0984	-0.03	0.9758

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.2163	0.3649	0.5010	1.9316	3.33	0.0009
yrspli	-0.3145	0.0370	-0.3870	-0.2420	-8.50	<.0001
tottrap_c	0.2447	0.1687	-0.0860	0.5755	1.45	0.1470

Testing at 4-5 yr

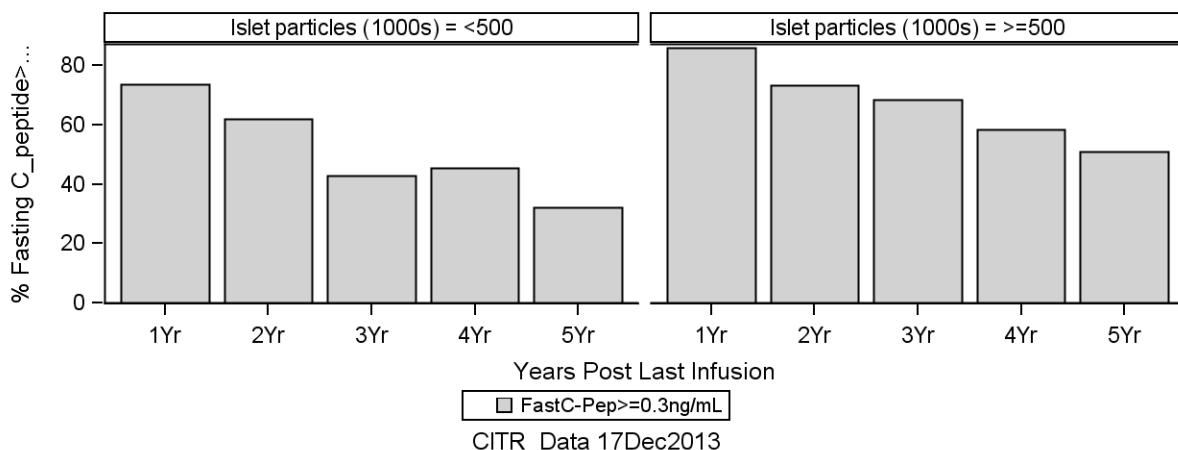
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.7738	1.4142	-1.9980	3.5456	0.55	0.5843
yrspli	-0.3139	0.3013	-0.9044	0.2766	-1.04	0.2975
tottrap_c	0.2172	0.6506	-1.0579	1.4923	0.33	0.7385
yrspli*tottrap_c	0.0300	0.1380	-0.2404	0.3004	0.22	0.8278

The GENMOD Procedure

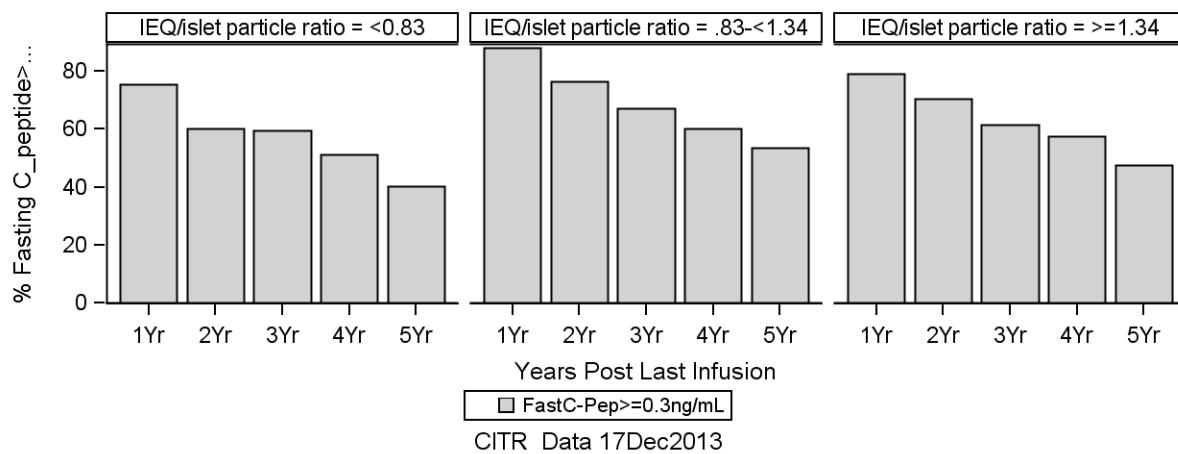
Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.5009	0.5944	-0.6642	1.6659	0.84	0.3995
yrspli	-0.2528	0.0967	-0.4423	-0.0632	-2.61	0.0090
tottrap_c	0.3516	0.1914	-0.0236	0.7268	1.84	0.0663

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Islet particles (1000s)	FastC-Pep>=0.3ng/mL					
<500	<0.3	26	29	36	30	34
	≥0.3	73	47	27	25	16
>=500	<0.3	41	70	74	83	87
	≥0.3	251	191	160	117	90
Total	FastC-Pep>=0.3ng/mL					
	<0.3	67	99	110	113	121
	≥0.3	324	238	187	142	106

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
IEQ/islet particle ratio	FastC-Pep>=0.3ng/mL					
<0.83	<0.3	24	35	34	37	40
	≥0.3	73	53	50	39	27
.83-<1.34	<0.3	22	37	46	47	49
	≥0.3	162	120	94	71	56
≥1.34	<0.3	18	21	22	20	22
	≥0.3	68	50	35	27	20
Total	FastC-Pep>=0.3ng/mL					
	<0.3	64	93	102	104	111
	≥0.3	303	223	179	137	103

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates
Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
<i>Intercept</i>	1.2751	0.4340	0.4245	2.1258	2.94	0.0033
<i>yrspli</i>	-0.2718	0.0924	-0.4529	-0.0906	-2.94	0.0033
<i>totieperict_c</i>	0.1896	0.2168	-0.2353	0.6146	0.87	0.3817
<i>yrspli*totieperict_c</i>	-0.0063	0.0450	-0.0945	0.0818	-0.14	0.8881

The GENMOD Procedure

Analysis Of GEE Parameter Estimates
Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
<i>Intercept</i>	1.3230	0.3272	0.6817	1.9643	4.04	<.0001
<i>yrspli</i>	-0.2836	0.0316	-0.3455	-0.2217	-8.98	<.0001
<i>totieperict_c</i>	0.1641	0.1567	-0.1431	0.4713	1.05	0.2952

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates
Empirical Standard Error Estimates

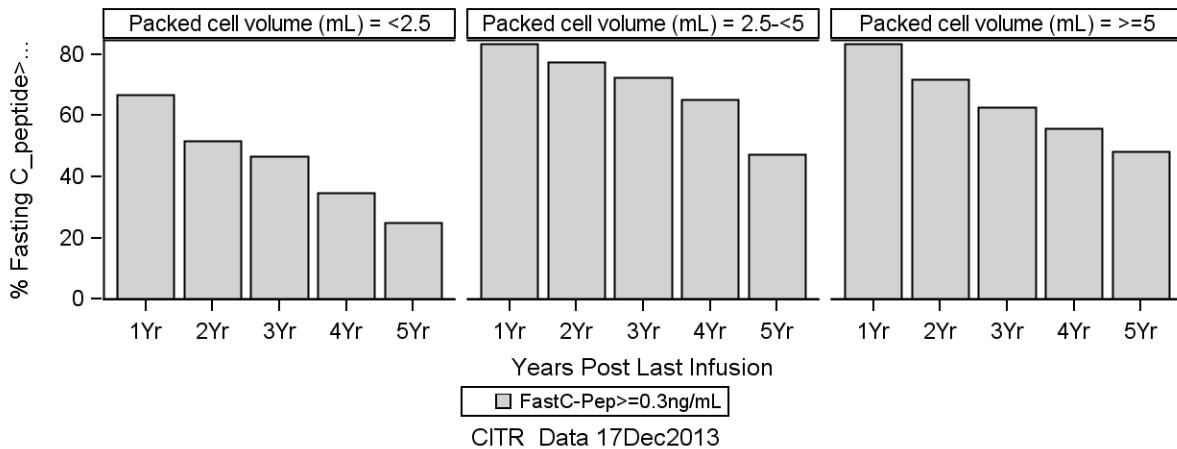
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
<i>Intercept</i>	0.8501	1.0716	-1.2501	2.9504	0.79	0.4276
<i>yrspli</i>	-0.2198	0.2246	-0.6600	0.2204	-0.98	0.3278
<i>totieperict_c</i>	0.1879	0.5271	-0.8453	1.2210	0.36	0.7215
<i>yrspli*totieperict_c</i>	-0.0055	0.1098	-0.2208	0.2098	-0.05	0.9601

The GENMOD Procedure

Analysis Of GEE Parameter Estimates
Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
<i>Intercept</i>	0.8974	0.5064	-0.0951	1.8899	1.77	0.0764
<i>yrspli</i>	-0.2304	0.0812	-0.3896	-0.0713	-2.84	0.0045
<i>totieperict_c</i>	0.1633	0.1781	-0.1857	0.5123	0.92	0.3591

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
Packed cell volume (mL)	FastC-Pep>=0.3ng/mL	n	n	n	n	n
	<0.3	14	16	16	15	15
2.5-<5	>=0.3	28	17	14	8	5
	<0.3	13	13	14	15	20
>=5	>=0.3	65	45	37	28	18
	<0.3	52	80	91	95	99
Total	FastC-Pep>=0.3ng/mL	262	205	153	119	92
	<0.3	79	109	121	125	134
	>=0.3	355	267	204	155	115

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	0.6919	0.4981	-0.2843 1.6681	1.39	0.1648
yrspli	-0.0445	0.0879	-0.2168 0.1278	-0.51	0.6126
pckclvol_c	0.3571	0.1871	-0.0097 0.7238	1.91	0.0563
yrspli*pckclvol_c	-0.0937	0.0350	-0.1622 -0.0251	-2.68	0.0074

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.6671	0.4279	0.8284	2.5057	3.90	<.0001
yrspli	-0.2904	0.0299	-0.3490	-0.2319	-9.72	<.0001
pckclvol_c	-0.0137	0.1484	-0.3044	0.2771	-0.09	0.9266

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.7109	1.2354	-0.7105	4.1323	1.38	0.1661
yrspli	-0.5141	0.2552	-1.0143	-0.0139	-2.01	0.0440
pckclvol_c	-0.2028	0.4509	-1.0865	0.6809	-0.45	0.6529
yrspli*pckclvol_c	0.1035	0.0927	-0.0782	0.2852	1.12	0.2643

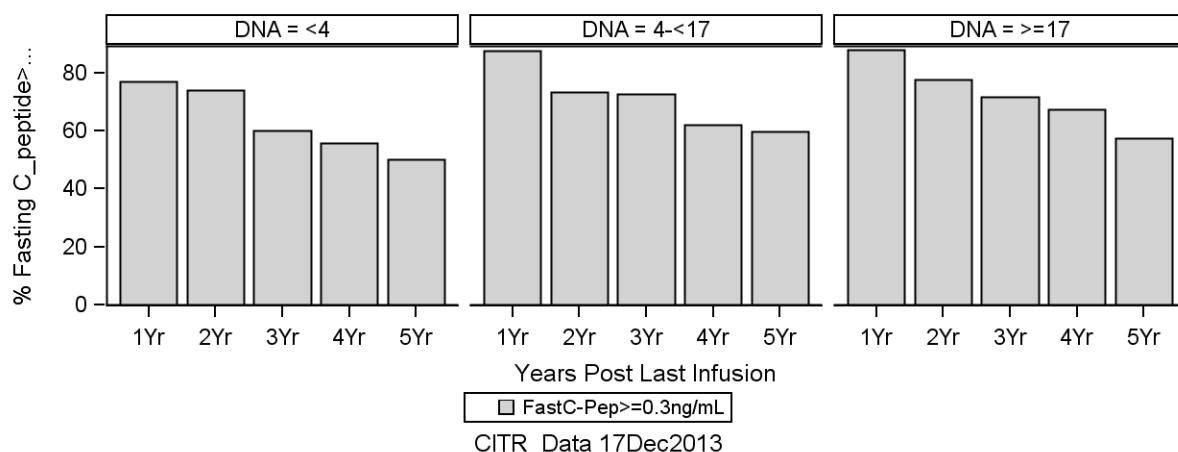
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.4969	0.6040	-0.6869	1.6808	0.82	0.4107
yrspli	-0.2353	0.0732	-0.3787	-0.0919	-3.22	0.0013
pckclvol_c	0.2489	0.1873	-0.1182	0.6159	1.33	0.1839

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
DNA	<i>FastC-Pep>=0.3ng/mL</i>					
<4	<0.3	6	6	8	8	9
	≥0.3	20	17	12	10	9
4<17	<0.3	10	19	18	22	21
	≥0.3	70	52	48	36	31
≥17	<0.3	9	15	18	17	20
	≥0.3	65	52	45	35	27
Total	<i>FastC-Pep>=0.3ng/mL</i>					
	<0.3	25	40	44	47	50
	≥0.3	155	121	105	81	67

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.3224	0.7105	-0.0703 2.7150	1.86	0.0627	
yrspli	-0.1831	0.1611	-0.4988 0.1327	-1.14	0.2557	
totaldna_c	0.2626	0.3100	-0.3450 0.8701	0.85	0.3970	
yrspli*totaldna_c	-0.0506	0.0717	-0.1910 0.0899	-0.71	0.4805	

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	1.7870	0.5597	0.6901 2.8840	3.19	0.0014	
yrspli	-0.2949	0.0477	-0.3884 -0.2013	-6.18	<.0001	
totaldna_c	0.0535	0.2222	-0.3821 0.4891	0.24	0.8097	

Testing at 4-5 yr

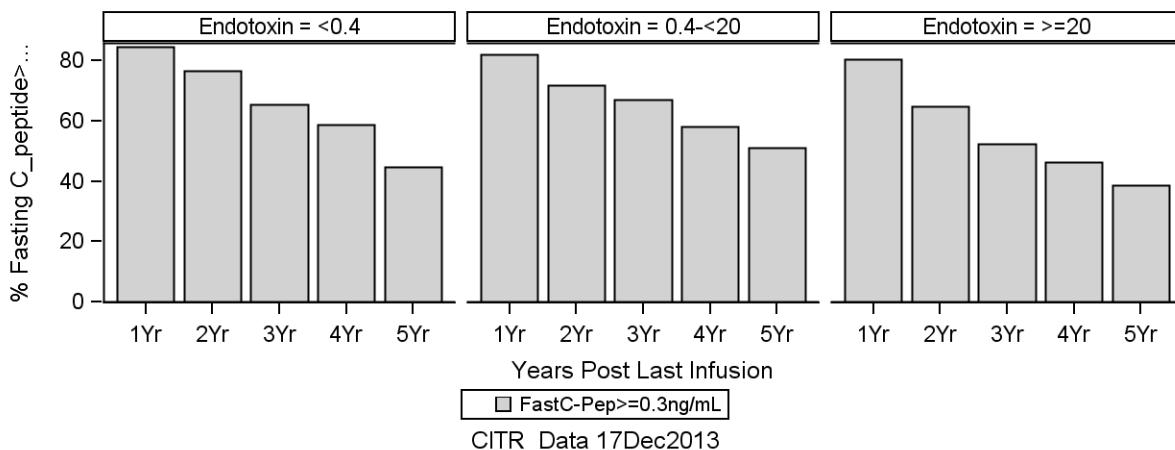
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	-0.4751	1.6808	-3.7695 2.8193	-0.28	0.7774	
yrspli	0.1138	0.3496	-0.5715 0.7990	0.33	0.7449	
totaldna_c	0.8036	0.7854	-0.7358 2.3431	1.02	0.3062	
yrspli*totaldna_c	-0.1371	0.1652	-0.4610 0.1867	-0.83	0.4066	

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|	
Intercept	0.9039	0.8135	-0.6906 2.4984	1.11	0.2665	
yrspli	-0.1922	0.1191	-0.4256 0.0413	-1.61	0.1066	
totaldna_c	0.1855	0.2515	-0.3073 0.6783	0.74	0.4607	

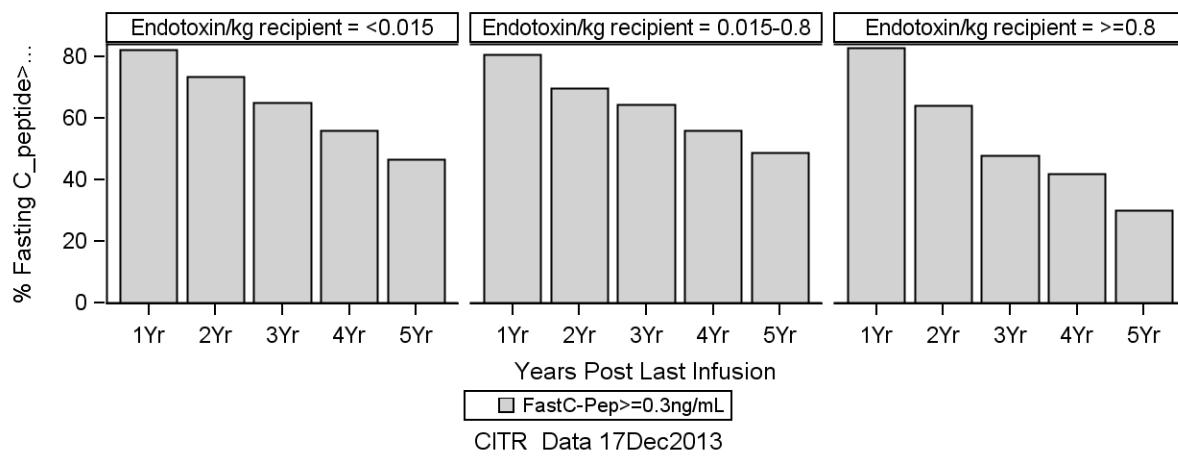
Fasting C_peptide>=0.3 ng/mL



Years Post Last Infusion						
		1	2	3	4	5
		n	n	n	n	n
Endotoxin	FastC-Pep>=0.3ng/mL					
<0.4	<0.3	12	15	20	19	21
	>=0.3	66	49	38	27	17
0.4-<20	<0.3	31	44	45	47	49
	>=0.3	143	113	92	65	51

		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
>=20	<0.3	22	36	41	43	46
	>=0.3	90	66	45	37	29
Total	<i>FastC-Pep>=0.3ng/mL</i>					
	<0.3	65	95	106	109	116
	>=0.3	299	228	175	129	97

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Endotoxin/kg recipient	<i>FastC-Pep>=0.3ng/mL</i>					
	<0.3	20	25	30	30	31
0.015-0.8	>=0.3	93	69	56	38	27
	<0.3	33	46	49	53	56
>=0.8	>=0.3	137	106	88	67	53
	<0.3	11	22	25	25	28
Total	<i>FastC-Pep>=0.3ng/mL</i>					
	<0.3	64	93	104	108	115
	>=0.3	283	214	167	123	92

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates
Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
<i>Intercept</i>	1.6697	0.4180	0.8504	2.4890	3.99	<.0001
<i>yrspli</i>	-0.1029	0.0986	-0.2962	0.0903	-1.04	0.2966
<i>totendokg_c</i>	-0.0349	0.2025	-0.4319	0.3620	-0.17	0.8630
<i>yrspli*totendokg_c</i>	-0.1036	0.0499	-0.2014	-0.0059	-2.08	0.0377

The GENMOD Procedure

Analysis Of GEE Parameter Estimates
Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
<i>Intercept</i>	2.4184	0.3532	1.7262	3.1106	6.85	<.0001
<i>yrspli</i>	-0.3005	0.0349	-0.3688	-0.2322	-8.62	<.0001
<i>totendokg_c</i>	-0.4066	0.1534	-0.7073	-0.1059	-2.65	0.0080

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates
Empirical Standard Error Estimates

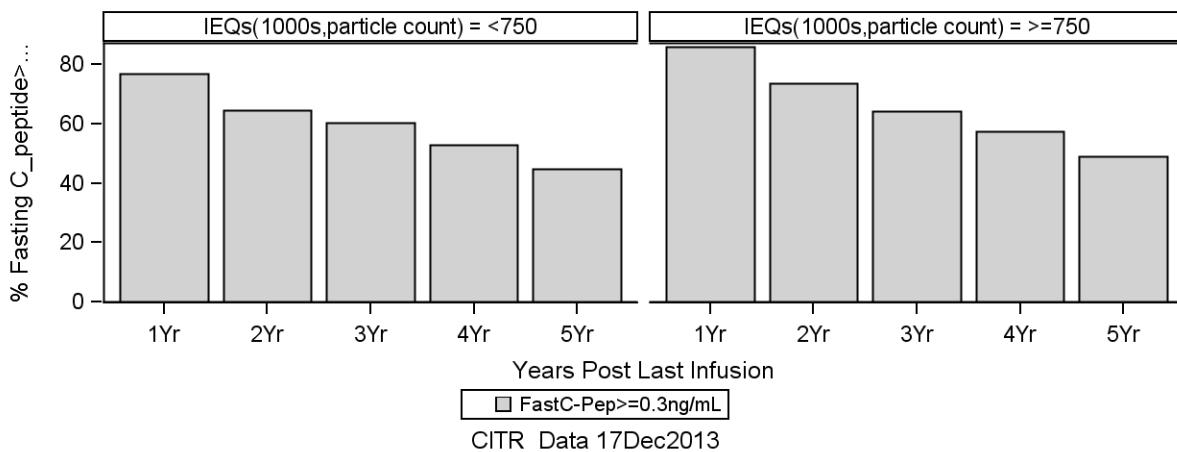
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
<i>Intercept</i>	0.8828	1.0606	-1.1958	2.9615	0.83	0.4052
<i>yrspli</i>	-0.0700	0.2205	-0.5022	0.3622	-0.32	0.7509
<i>totendokg_c</i>	0.0704	0.5229	-0.9544	1.0951	0.13	0.8930
<i>yrspli*totendokg_c</i>	-0.0789	0.1087	-0.2918	0.1341	-0.73	0.4680

The GENMOD Procedure

Analysis Of GEE Parameter Estimates
Empirical Standard Error Estimates

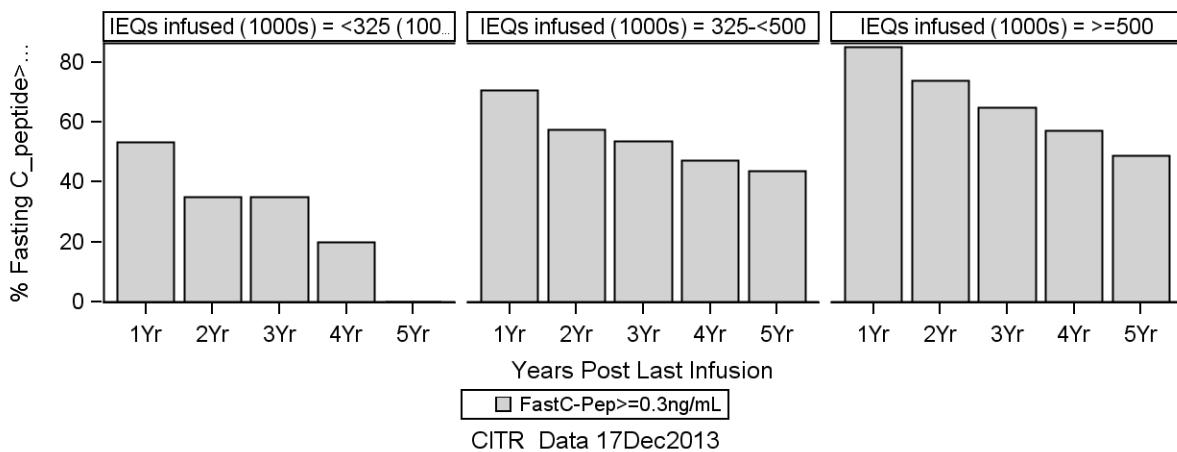
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
<i>Intercept</i>	1.5521	0.5291	0.5150	2.5892	2.93	0.0034
<i>yrspli</i>	-0.2203	0.0818	-0.3806	-0.0599	-2.69	0.0071
<i>totendokg_c</i>	-0.2806	0.1868	-0.6467	0.0855	-1.50	0.1330

Fasting C_peptide>=0.3 ng/mL



IEQs(1000s, particle count)		Years Post Last Infusion				
		1 n	2 n	3 n	4 n	5 n
< 750	FastC-Pep >= 0.3 ng/mL					
	< 0.3	41	50	50	49	51
>= 750	>= 0.3	135	91	76	55	41
	< 0.3	33	55	65	67	72
<i>Total</i>	FastC-Pep >= 0.3 ng/mL					
	< 0.3	74	105	115	116	123
	>= 0.3	335	244	192	145	110

Fasting C_peptide >= 0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
IEQs infused (1000s)	FastC-Pep>=0.3ng/mL					
<325 (1000s)	<0.3		14	13	13	12
	≥0.3		16	7	7	3
325-<500	<0.3		20	23	20	19
	≥0.3		48	31	23	17
>=500	<0.3		68	99	108	111
	≥0.3		386	280	199	148
Total	FastC-Pep>=0.3ng/mL					
	<0.3		102	135	141	142
	≥0.3		450	318	229	168
						126

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	-0.5826	0.5553	-1.6709 0.5057	-1.05	0.2941
yrspli	0.0297	0.1334	-0.2318 0.2912	0.22	0.8239
ieqinf_c	0.8045	0.2012	0.4101 1.1989	4.00	<.0001
yrspli*ieqinf_c	-0.1153	0.0487	-0.2108 -0.0198	-2.37	0.0179

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	0.2390	0.4204	-0.5850 1.0629	0.57	0.5697
yrspli	-0.2885	0.0279	-0.3432 -0.2337	-10.33	<.0001
ieqinf_c	0.4978	0.1458	0.2121 0.7835	3.42	0.0006

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	-1.3749	1.8978	-5.0945	2.3447	-0.72	0.4688
yrspli	-0.0666	0.3896	-0.8303	0.6971	-0.17	0.8643
ieqinf_c	0.8637	0.6737	-0.4568	2.1842	1.28	0.1999
yrspli*ieqinf_c	-0.0534	0.1386	-0.3251	0.2182	-0.39	0.6998

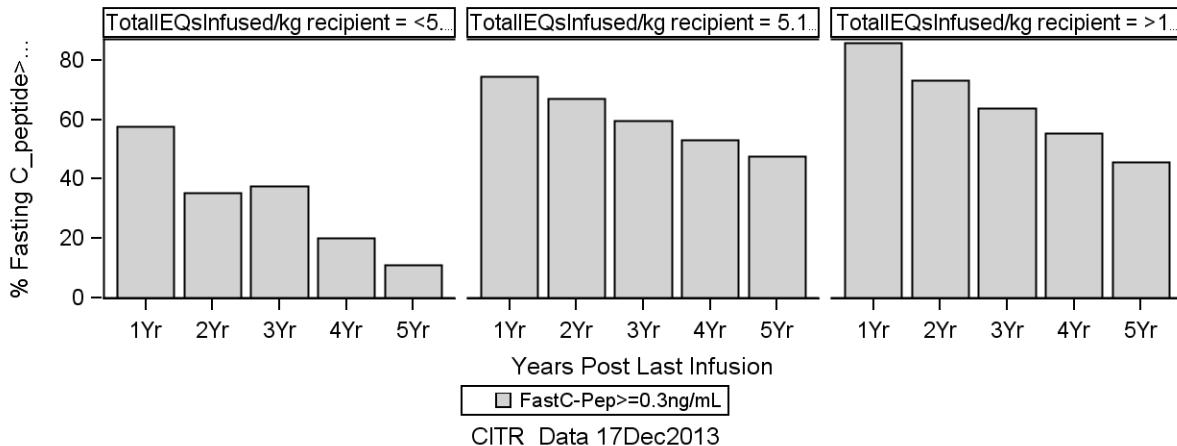
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	-0.7046	0.6820	-2.0414	0.6321	-1.03	0.3015
yrspli	-0.2180	0.0674	-0.3500	-0.0859	-3.24	0.0012
ieqinf_c	0.6268	0.2153	0.2048	1.0488	2.91	0.0036

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
Total EQs Infused/kg recipient	FastC-Pep>=0.3ng/mL					
<5.15K	<0.3		11	11	10	8
	≥0.3		15	6	6	2
5.15-10.45	<0.3		40	44	44	43
	≥0.3		117	89	65	50
						39

		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
>10.45	<0.3		48	77	85	89
	≥0.3		289	208	150	110
Total	<i>FastC-Pep</i> ≥ 0.3 ng/mL					81
	<0.3		99	132	139	141
	≥0.3		421	303	221	162
						121

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	-0.2949	0.4945	-1.2642 0.6743	-0.60	0.5509
yrspli	0.1466	0.1203	-0.0893 0.3824	1.22	0.2233
ieqinfkg_c	0.7261	0.1910	0.3518 1.1005	3.80	0.0001
yrspli*ieqinfkg_c	-0.1665	0.0476	-0.2599 -0.0732	-3.50	0.0005

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.0500	0.4101	0.2461 1.8539	2.56	0.0105
yrspli	-0.2832	0.0281	-0.3383 -0.2281	-10.08	<.0001
ieqinfkg_c	0.1987	0.1473	-0.0900 0.4875	1.35	0.1773

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	-1.2562	1.3229	-3.8490 1.3366	-0.95	0.3423
yrspli	0.1441	0.2712	-0.3874 0.6756	0.53	0.5952
ieqinfkg_c	0.8606	0.5081	-0.1353 1.8565	1.69	0.0903
yrspli*ieqinfkg_c	-0.1366	0.1044	-0.3411 0.0680	-1.31	0.1907

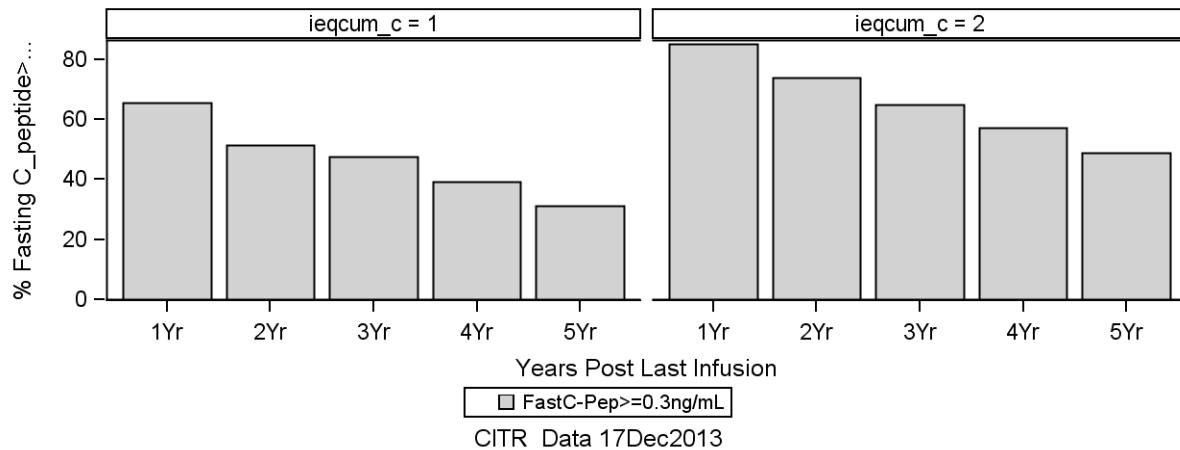
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.3371	0.6115	-0.8613	1.5356	0.55	0.5814
yrspli	-0.2161	0.0676	-0.3485	-0.0836	-3.20	0.0014
ieqinfkg_c	0.2556	0.2005	-0.1375	0.6486	1.27	0.2025

Fasting C_peptide>=0.3 ng/mL



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Years Post Last Infusion						
		1	2	3	4	5
	n	n	n	n	n	n
<i>ieqcum_c</i> FastC-Pep>=0.3ng/mL						
1	<0.3		34	36	33	31
	=0.3		64	38	30	20
2	<0.3		68	99	108	111
	=0.3		386	280	199	148
Total	FastC-Pep>=0.3ng/mL					
	<0.3		102	135	141	142
	=0.3		450	318	229	168
						126

Testing at 1-5 yr

The GENMOD Procedure

CITR Data 17Dec2013

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	-0.5020	0.4732	-1.4294	0.4254	-1.06	0.2887
<i>yrspli</i>	0.0793	0.1027	-0.1221	0.2807	0.77	0.4403
<i>ieqcum_c</i>	1.1803	0.2639	0.6631	1.6976	4.47	<.0001
<i>yrspli*ieqcum_c</i>	-0.2024	0.0586	-0.3173	-0.0874	-3.45	0.0006

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	0.5320	0.4018	-0.2556	1.3196	1.32	0.1855
<i>yrspli</i>	-0.2862	0.0279	-0.3409	-0.2316	-10.26	<.0001
<i>ieqcum_c</i>	0.5898	0.2114	0.1756	1.0040	2.79	0.0053

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	-1.7414	1.3589	-4.4048	0.9219	-1.28	0.2000
<i>yrspli</i>	0.1427	0.2764	-0.3990	0.6843	0.52	0.6057
<i>ieqcum_c</i>	1.5054	0.7468	0.0417	2.9691	2.02	0.0438
<i>yrspli*ieqcum_c</i>	-0.1932	0.1527	-0.4925	0.1061	-1.27	0.2057

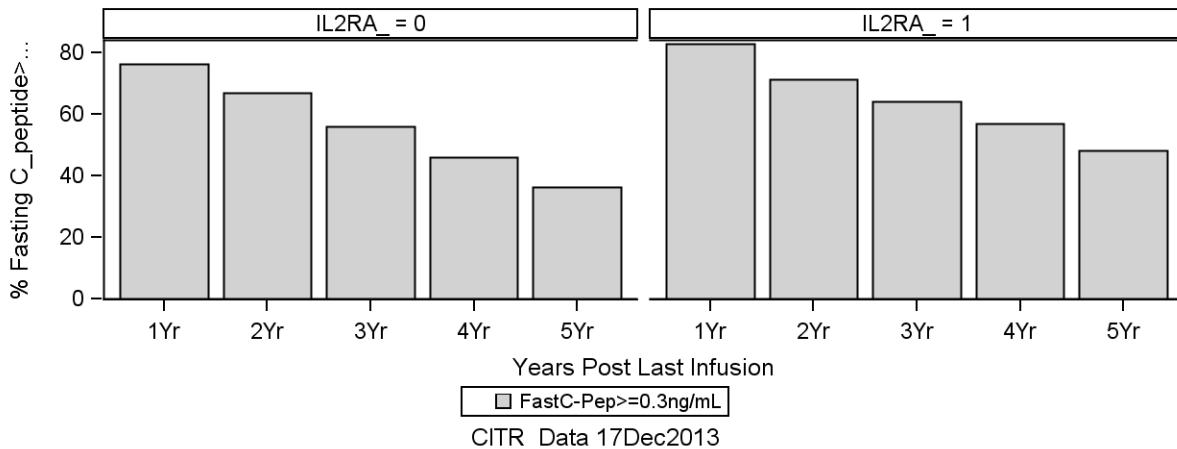
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	-0.1813	0.6376	-1.4310	1.0684	-0.28	0.7762
<i>yrspli</i>	-0.2147	0.0668	-0.3457	-0.0837	-3.21	0.0013
<i>ieqcum_c</i>	0.6600	0.3047	0.0629	1.2572	2.17	0.0303

Fasting C_peptide>=0.3 ng/mL



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		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>IL2RA_</i> FastC-Pep>=0.3ng/mL						
0	<0.3	47	54	52	52	51
	≥0.3	151	108	66	44	29
1	<0.3	63	93	103	105	115
	≥0.3	302	228	182	139	106
<i>Total</i> FastC-Pep>=0.3ng/mL		110	147	155	157	166
	<0.3	453	336	248	183	135

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.3538	0.1928	0.9759 1.7318	7.02	<.0001
yrspli	-0.2117	0.0465	-0.3029 -0.1205	-4.55	<.0001
IL2RA_	0.3003	0.2380	-0.1662 0.7667	1.26	0.2070
yrspli*IL2RA_	-0.0849	0.0565	-0.1955 0.0258	-1.50	0.1326

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.5596	0.1629	1.2404	1.8788	9.58	<.0001
yrspli	-0.2701	0.0265	-0.3220	-0.2181	-10.19	<.0001
IL2RA_	-0.0077	0.1739	-0.3486	0.3332	-0.04	0.9647

Testing at 4-5 yr

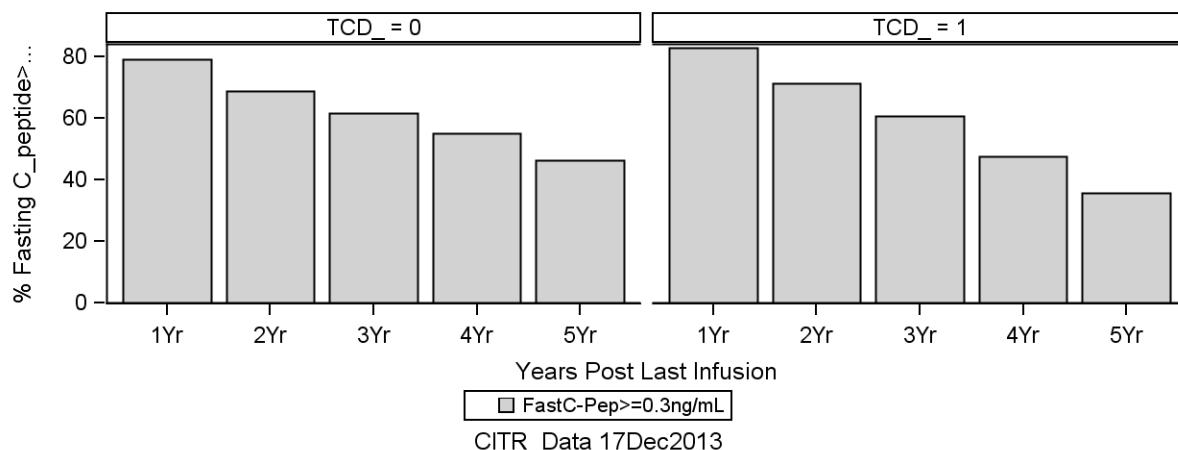
The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.6201	0.6249	-0.6047	1.8449	0.99	0.3210
yrspli	-0.1915	0.1341	-0.4543	0.0712	-1.43	0.1531
IL2RA_	0.6784	0.7176	-0.7281	2.0849	0.95	0.3445
yrspli*IL2RA_	-0.0630	0.1528	-0.3625	0.2365	-0.41	0.6802

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.8254	0.3464	0.1464	1.5044	2.38	0.0172
yrspli	-0.2385	0.0646	-0.3650	-0.1119	-3.69	0.0002
IL2RA_	0.4011	0.2320	-0.0536	0.8557	1.73	0.0838

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>TCD_</i> FastC-Pep>=0.3ng/mL						
0	<0.3	79	110	122	125	137
	>=0.3	302	244	197	154	119
1	<0.3	31	37	33	32	29
	>=0.3	151	92	51	29	16
Total	FastC-Pep>=0.3ng/mL					
	<0.3	110	147	155	157	166
	>=0.3	453	336	248	183	135

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.4792	0.1322	1.2200 1.7383	11.19	<.0001
yrspli	-0.2770	0.0297	-0.3352 -0.2187	-9.32	<.0001
TCD_	0.2078	0.2552	-0.2924 0.7080	0.81	0.4155
yrspli*TCD_	0.0561	0.0632	-0.0677 0.1799	0.89	0.3743

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.4369	0.1243	1.1932 1.6806	11.56	<.0001
yrspli	-0.2660	0.0265	-0.3179 -0.2141	-10.05	<.0001
TCD_	0.4046	0.1875	0.0371 0.7721	2.16	0.0309

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1599	0.3438	0.4860	1.8338	3.37	0.0007
yrspli	-0.2378	0.0721	-0.3792	-0.0965	-3.30	0.0010
TCD_	-0.3063	0.7007	-1.6797	1.0670	-0.44	0.6620
yrspli*TCD_	0.0079	0.1454	-0.2770	0.2929	0.05	0.9564

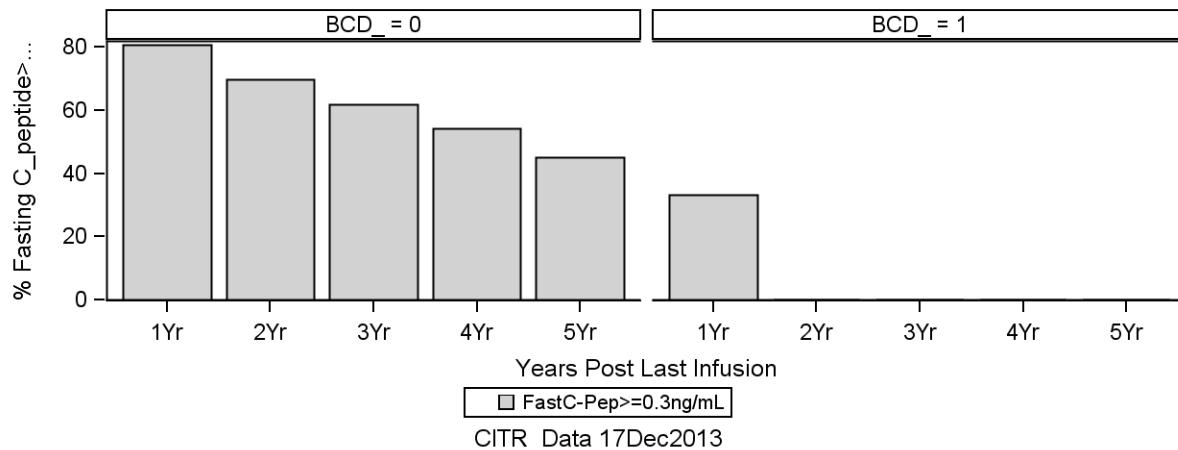
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1557	0.3107	0.5466	1.7647	3.72	0.0002
yrspli	-0.2369	0.0642	-0.3628	-0.1110	-3.69	0.0002
TCD_	-0.2718	0.2750	-0.8108	0.2672	-0.99	0.3229

Fasting C_peptide>=0.3 ng/mL



BCD_	FastC-Pep>=0.3ng/mL	Years Post Last Infusion				
		1	2	3	4	5
n	n	n	n	n	n	n
0	<0.3	108	145	153	155	164
	>=0.3	452	336	248	183	135
1	<0.3	2	2	2	2	2
	>=0.3	1	.	.	.	.

		Years Post Last Infusion				
		1	2	3	4	5
	n	n	n	n	n	
Total	FastC-Pep>=0.3ng/mL					
<0.3		110	147	155	157	166
>=0.3		453	336	248	183	135

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.5593	.	.	.	.
yrspli	-0.2720	.	.	.	.
BCD_	908.1991	.	.	.	.
yrspli*BCD_	-909.719	.	.	.	.

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.5786	0.1149	1.3534 1.8038	13.74	<.0001
yrspli	-0.2720	0.0268	-0.3246 -0.2193	-10.13	<.0001
BCD_	-2.2918	1.1134	-4.4740 -0.1096	-2.06	0.0395

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.6087	.	.	.	.
yrspli	-0.3607	.	.	.	.
BCD_	-22.9740	.	.	.	.
yrspli*BCD_	0.3606	.	.	.	.

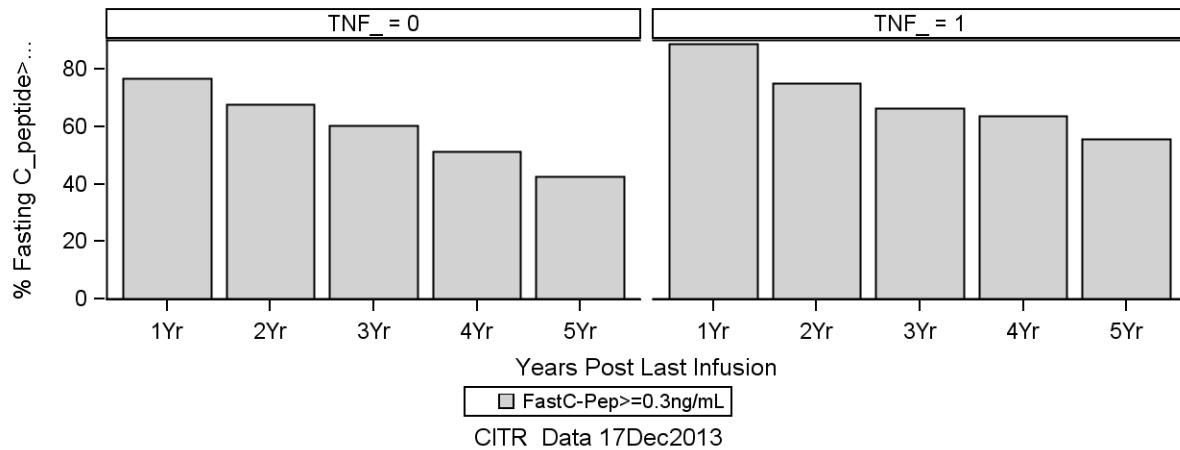
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > Z
Intercept	1.1165
yrspli	-0.2363
BCD_	-23.3558

Fasting C_peptide>=0.3 ng/mL



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	TNF_	FastC-Pep>=0.3ng/mL	Years Post Last Infusion				
			1	2	3	4	5
n	n	n	n	n	n		
0	<0.3		91	116	127	133	142
	=0.3		301	242	193	141	105
1	<0.3		19	31	28	24	24
	=0.3		152	94	55	42	30
<i>Total</i>		<i>FastC-Pep>=0.3ng/mL</i>					
	<0.3		110	147	155	157	166
	=0.3		453	336	248	183	135

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
<i>Intercept</i>	1.3863	0.1312	1.1291	1.6435	10.56	<.0001
<i>yrspli</i>	-0.2620	0.0296	-0.3201	-0.2040	-8.85	<.0001
<i>TNF_</i>	0.6722	0.2581	0.1664	1.1780	2.60	0.0092
<i>yrspli*TNF_</i>	-0.0475	0.0630	-0.1710	0.0759	-0.75	0.4507

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
<i>Intercept</i>	1.4174	0.1253	1.1717	1.6631	11.31	<.0001
<i>yrspli</i>	-0.2704	0.0264	-0.3221	-0.2186	-10.24	<.0001
<i>TNF_</i>	0.5089	0.2032	0.1107	0.9071	2.50	0.0123

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
<i>Intercept</i>	0.9999	0.3319	0.3494	1.6505	3.01	0.0026
<i>yrspli</i>	-0.2337	0.0696	-0.3700	-0.0973	-3.36	0.0008
<i>TNF_</i>	0.5451	0.8642	-1.1486	2.2388	0.63	0.5282
<i>yrspli*TNF_</i>	-0.0127	0.1832	-0.3718	0.3464	-0.07	0.9449

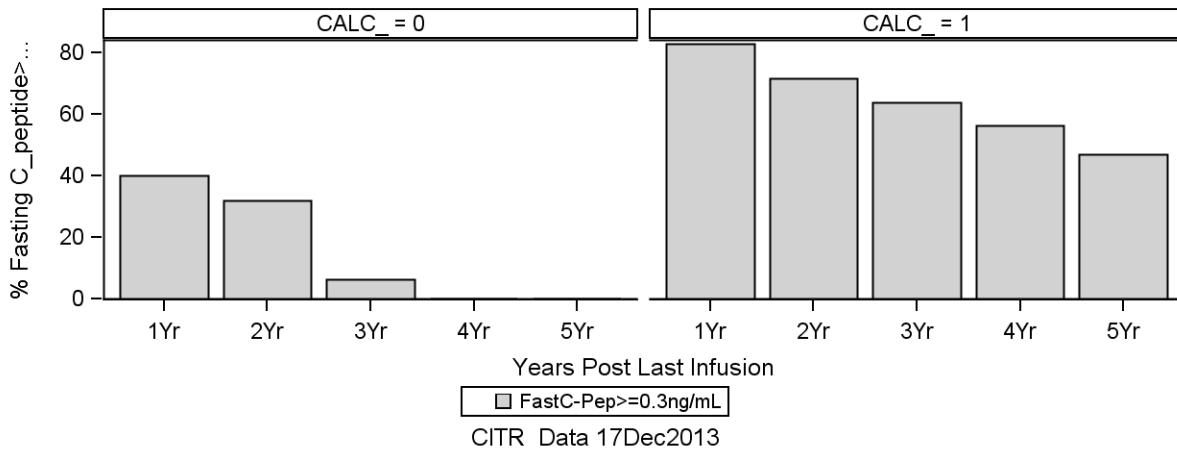
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
<i>Intercept</i>	1.0107	0.3111	0.4008	1.6205	3.25	0.0012
<i>yrspli</i>	-0.2361	0.0646	-0.3627	-0.1095	-3.66	0.0003
<i>TNF_</i>	0.4883	0.2687	-0.0384	1.0151	1.82	0.0692

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
<i>CALC_</i>	<i>FastC-Pep>=0.3ng/mL</i>					
	<0.3	18	15	15	15	13
	>=0.3	12	7	1	.	.
		441	329	247	183	135
<i>Total</i>	<i>FastC-Pep>=0.3ng/mL</i>					
	<0.3	110	147	155	157	166
	>=0.3	453	336	248	183	135

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	-0.3315	0.3848	-1.0857 0.4228	-0.86	0.3891
yrspli	-0.0823	0.0111	-0.1040 -0.0606	-7.42	<.0001
CALC_	2.0284	0.4031	1.2383 2.8185	5.03	<.0001
yrspli*CALC_	-0.2084	0.0304	-0.2680 -0.1488	-6.85	<.0001

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	-0.0958	0.3787	-0.8380	0.6464	-0.25	0.8003
<i>yrspli</i>	-0.2852	0.0271	-0.3384	-0.2321	-10.51	<.0001
<i>CALC_</i>	1.7717	0.3887	1.0098	2.5335	4.56	<.0001

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	-23.3650	.	.	.	.	.
<i>yrspli</i>	-0.0001	.	.	.	.	.
<i>CALC_</i>	25.1340	.	.	.	.	.
<i>yrspli*CALC_</i>	-0.3788	.	.	.	.	.

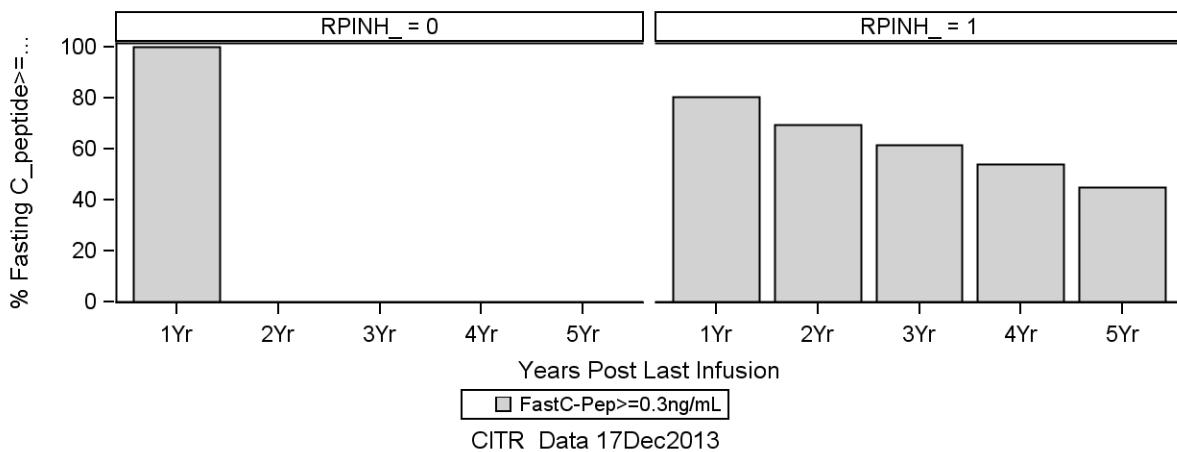
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	-24.2031	.	.	.	.	.
<i>yrspli</i>	-0.2464	.	.	.	.	.
<i>CALC_</i>	25.4477	.	.	.	.	.

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>RPINH_ FastC-Pep>=0.3ng/mL</i>						
0	>=0.3		2	.	.	.
1	<0.3	110	147	155	157	166
	>=0.3	451	336	248	183	135
<i>Total FastC-Pep>=0.3ng/mL</i>						
	<0.3	110	147	155	157	166
	>=0.3	453	336	248	183	135

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	23.6356	.	.	.	.	.
yrspli	-0.2703	.	.	.	.	.
RPINH_	-22.0848	.	.	.	.	.
yrspli*RPINH_	0.0000	0.0000	0.0000	0.0000	.	.

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	23.6356	.	.	.	.	.
<i>yrspli</i>	-0.2703	.	.	.	.	.
<i>RPINH_</i>	-22.0848	.	.	.	.	.

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.0971	0.3050	0.4993	1.6950	3.60	0.0003
<i>yrspli</i>	-0.2347	0.0641	-0.3602	-0.1091	-3.66	0.0002
<i>RPINH_</i>	0.0000	0.0000	0.0000	0.0000	.	.
<i>yrspli*RPINH_</i>	0.0000	0.0000	0.0000	0.0000	.	.

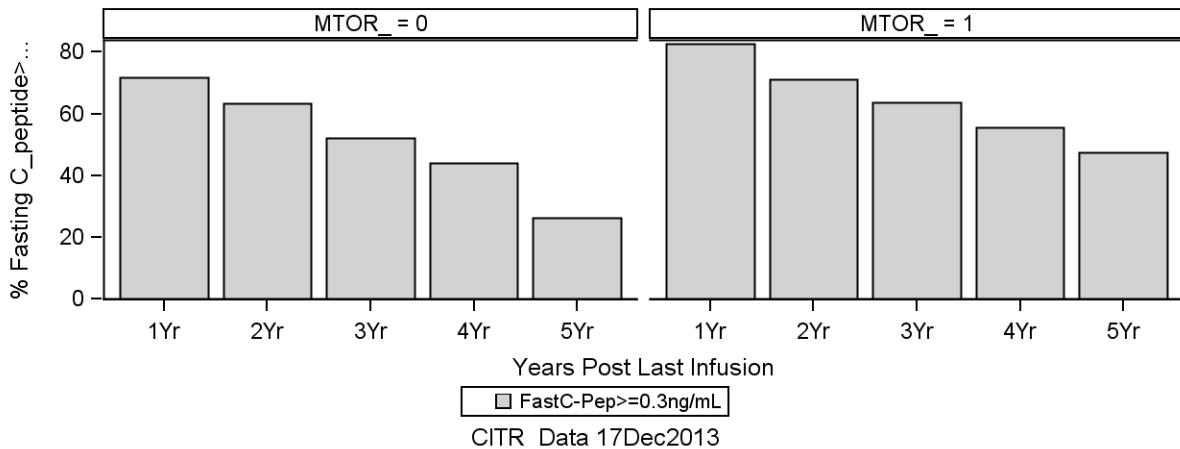
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.0971	0.3050	0.4993	1.6950	3.60	0.0003
<i>yrspli</i>	-0.2347	0.0641	-0.3602	-0.1091	-3.66	0.0002
<i>RPINH_</i>	0.0000	0.0000	0.0000	0.0000	.	.

Fasting C_peptide>=0.3 ng/mL



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		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>MTOR_ FastC-Pep>=0.3ng/mL</i>						
0	<0.3	31	32	33	28	28
	≥0.3	78	55	36	22	10
1	<0.3	79	115	122	129	138
	≥0.3	375	281	212	161	125
<i>Total FastC-Pep>=0.3ng/mL</i>						
	<0.3	110	147	155	157	166
	≥0.3	453	336	248	183	135

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.1674	0.2449	0.6873 1.6475	4.77	<.0001
yrspli	-0.1940	0.0548	-0.3015 -0.0865	-3.54	0.0004
MTOR_	0.4830	0.2761	-0.0581 1.0241	1.75	0.0802
yrspli*MTOR_	-0.0931	0.0624	-0.2154 0.0292	-1.49	0.1357

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
<i>Intercept</i>	1.4101	0.2030	1.0122	1.8079	6.95	<.0001
<i>yrspli</i>	-0.2719	0.0265	-0.3238	-0.2200	-10.26	<.0001
<i>MTOR_</i>	0.1813	0.2044	-0.2193	0.5820	0.89	0.3750

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
<i>Intercept</i>	1.3951	0.8469	-0.2649	3.0551	1.65	0.0995
<i>yrspli</i>	-0.4091	0.1830	-0.7677	-0.0504	-2.24	0.0254
<i>MTOR_</i>	-0.3014	0.9089	-2.0829	1.4801	-0.33	0.7402
<i>yrspli*MTOR_</i>	0.1925	0.1956	-0.1908	0.5758	0.98	0.3250

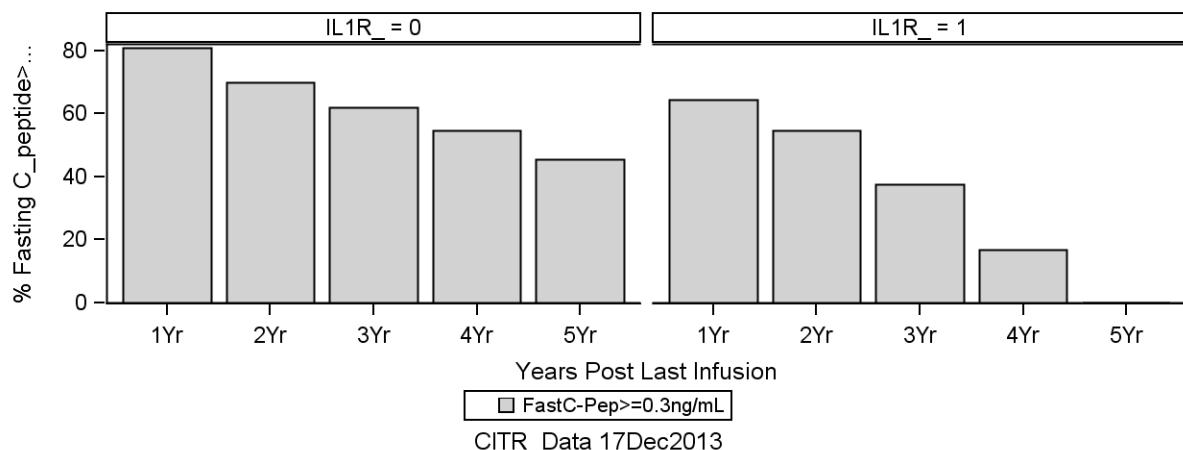
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
<i>Intercept</i>	0.6644	0.3979	-0.1155	1.4443	1.67	0.0950
<i>yrspli</i>	-0.2394	0.0645	-0.3659	-0.1129	-3.71	0.0002
<i>MTOR_</i>	0.5315	0.2989	-0.0543	1.1172	1.78	0.0754

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion					
		1	2	3	4	5	
		n	n	n	n	n	
<i>IL1R_</i> FastC-Pep>=0.3ng/mL							
0	<0.3		105	142	150	152	162
	>=0.3		444	330	245	182	135
1	<0.3		5	5	5	5	4
	>=0.3		9	6	3	1	.
<i>Total</i> FastC-Pep>=0.3ng/mL							
	<0.3		110	147	155	157	166
	>=0.3		453	336	248	183	135

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.5788	0.1152	1.3531 1.8046	13.71	<.0001
yrspli	-0.2755	0.0270	-0.3285 -0.2226	-10.20	<.0001
IL1R_	-0.9400	0.5883	-2.0931 0.2131	-1.60	0.1101
yrspli*IL1R_	0.2135	0.0327	0.1494 0.2777	6.52	<.0001

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.5618	0.1134	1.3395 1.7842	13.77	<.0001
yrspli	-0.2710	0.0265	-0.3230 -0.2190	-10.22	<.0001
IL1R_	-0.3159	0.5045	-1.3047 0.6730	-0.63	0.5313

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.6299	.	.	.	.	.
yrspli	-0.3624	.	.	.	.	.
IL1R_	79.7843	.	.	.	.	.
yrspli*IL1R_	-20.3935	.	.	.	.	.

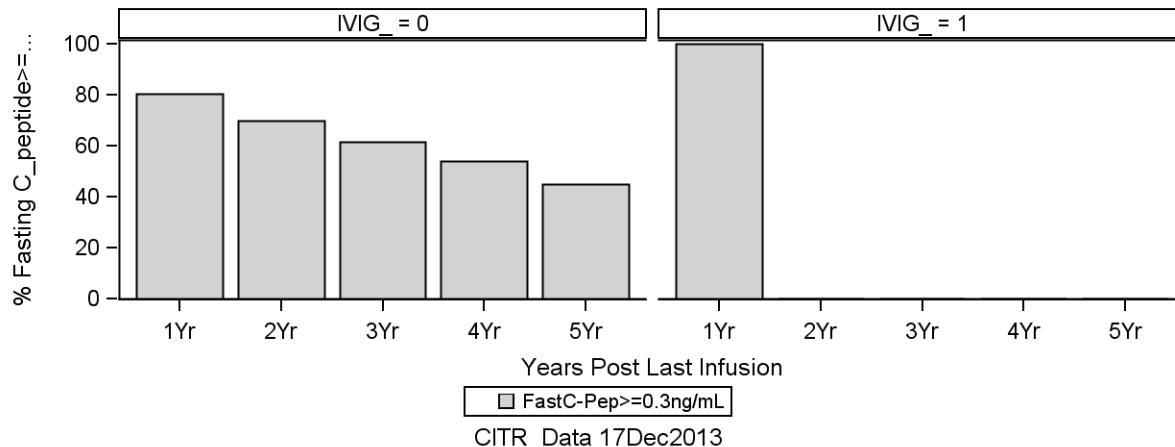
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1390	0.3077	0.5360	1.7421	3.70	0.0002
yrspli	-0.2384	0.0645	-0.3648	-0.1119	-3.69	0.0002
IL1R_	-1.8026	1.0947	-3.9482	0.3429	-1.65	0.0996

Fasting C_peptide>=0.3 ng/mL



IVIG_	FastC-Pep>=0.3ng/mL	Years Post Last Infusion				
		1	2	3	4	5
n	n	n	n	n	n	n
0	<0.3	110	146	154	156	165
	≥0.3	452	336	248	183	135
1	<0.3	1	1	1	1	1
	≥0.3	1	—	—	—	—

		Years Post Last Infusion				
		1	2	3	4	5
	n	n	n	n	n	
Total	FastC-Pep>=0.3ng/mL					
<0.3		110	147	155	157	166
>=0.3		453	336	248	183	135

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
			Lower	Upper		
Intercept	1.5557	.	.	.	.	.
yrspli	-0.2689	.	.	.	.	.
IVIG_	62.8667	.	.	.	.	.
yrspli*IVIG_	-42.5371	.	.	.	.	.

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
			Lower	Upper		
Intercept	1.5381	.	.	.	.	.
yrspli	-0.2624	.	.	.	.	.
IVIG_	-6204.44	.	.	.	.	.

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
			Lower	Upper		
Intercept	1.6008	.	.	.	.	.
yrspli	-0.3603	.	.	.	.	.
IVIG_	-21.9661	.	.	.	.	.
yrspli*IVIG_	0.3603	.	.	.	.	.

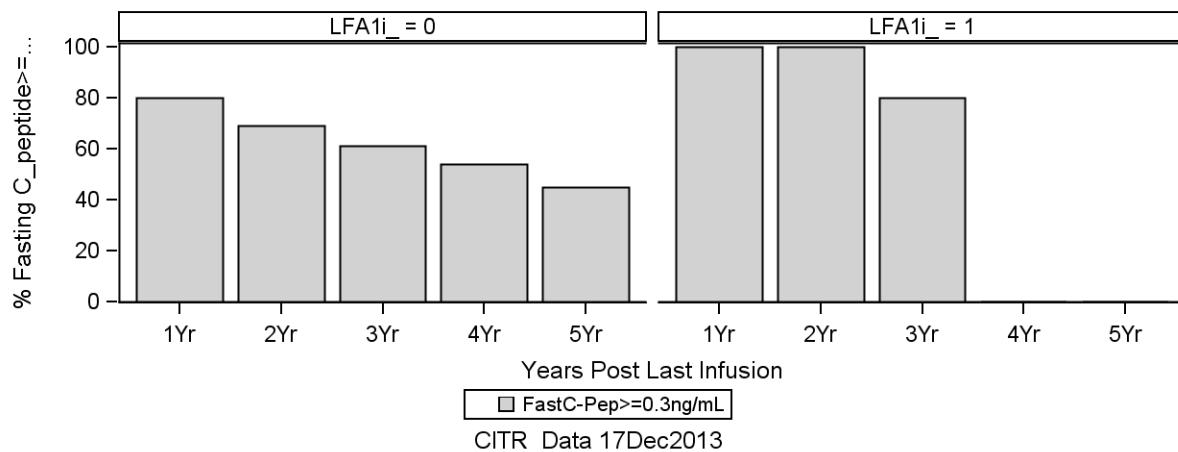
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.6008	.	.	.	.
yrspli	-0.3603	.	.	.	.
IVIG_	-22.3503	.	.	.	.

Fasting C_peptide>=0.3 ng/mL



CITR Data 17Dec2013

		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>LFA1i_</i> FastC-Pep>=0.3ng/mL						
0	<0.3	110	147	154	156	165
	>=0.3	443	327	244	183	135
1	<0.3	.	.	1	1	1
	>=0.3	10	9	4	.	.
<i>Total</i> FastC-Pep>=0.3ng/mL						
	<0.3	110	147	155	157	166
	>=0.3	453	336	248	183	135

Testing at 1-5 yr

The GENMOD Procedure

CITR Data 17Dec2013

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.6693	.	.	.	.	.
<i>yrspli</i>	-0.3838	.	.	.	.	.
<i>LFA1i_</i>	66.8107	.	.	.	.	.
<i>yrspli*LFA1i_</i>	-21.9808	.	.	.	.	.

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.5433	0.1145	1.3188	1.7678	13.47	<.0001
<i>yrspli</i>	-0.2701	0.0266	-0.3221	-0.2180	-10.17	<.0001
<i>LFA1i_</i>	0.5370	0.7626	-0.9577	2.0317	0.70	0.4813

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.6008	.	.	.	.	.
<i>yrspli</i>	-0.3603	.	.	.	.	.
<i>LFA1i_</i>	-21.9661	.	.	.	.	.
<i>yrspli*LFA1i_</i>	0.3603	.	.	.	.	.

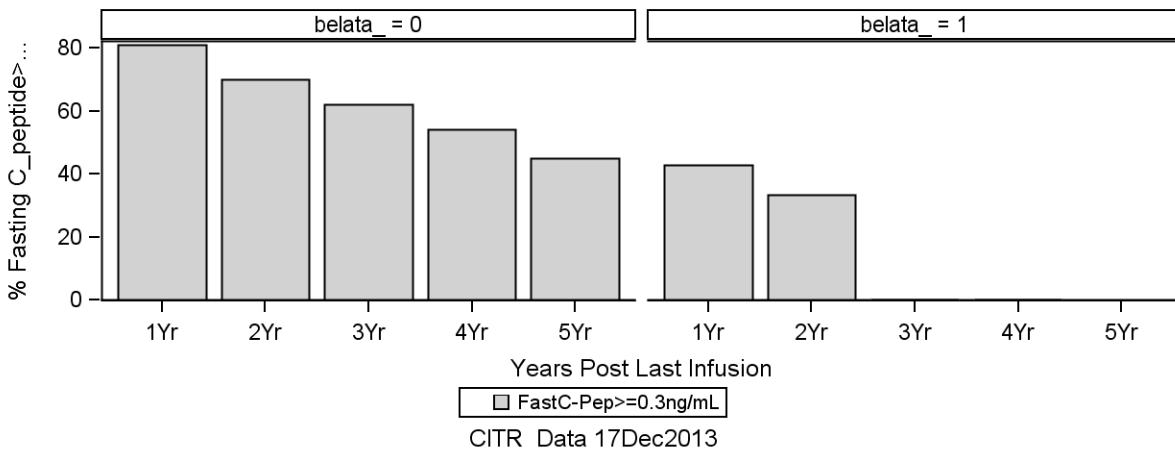
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.6008	.	.	.	.	.
<i>yrspli</i>	-0.3603	.	.	.	.	.
<i>LFA1i_</i>	-22.3503	.	.	.	.	.

Fasting C_peptide \geq 0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>
<i>belata_</i> <i>FastC-Pep</i> \geq 0.3 ng/mL						
0	<0.3	106	145	152	156	166
	\geq 0.3	450	335	248	183	135
1	<0.3	4	2	3	1	.
	\geq 0.3	3	1	.	.	.
<i>Total</i> <i>FastC-Pep</i> \geq 0.3 ng/mL						
	<0.3	110	147	155	157	166
	\geq 0.3	453	336	248	183	135

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
<i>Intercept</i>	1.5795	0.1151	1.3539 1.8050	13.73	<.0001
<i>yrspli</i>	-0.2707	0.0269	-0.3234 -0.2181	-10.08	<.0001
<i>belata_</i>	-0.9017	1.1508	-3.1573 1.3539	-0.78	0.4333
<i>yrspli*belata_</i>	-0.5718	0.4130	-1.3813 0.2376	-1.38	0.1662

The GENMOD Procedure

CITR Data 17Dec2013

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.5828	0.1151	1.3571	1.8084	13.75	<.0001
<i>yrspli</i>	-0.2716	0.0268	-0.3242	-0.2190	-10.12	<.0001
<i>belata_</i>	-1.6433	0.7377	-3.0892	-0.1975	-2.23	0.0259

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.1071	.	.	.	.	.
<i>yrspli</i>	-0.2355	.	.	.	.	.
<i>belata_</i>	-22.5302	.	.	.	.	.
<i>yrspli*belata_</i>	0.0000	0.0000	0.0000	0.0000	.	.

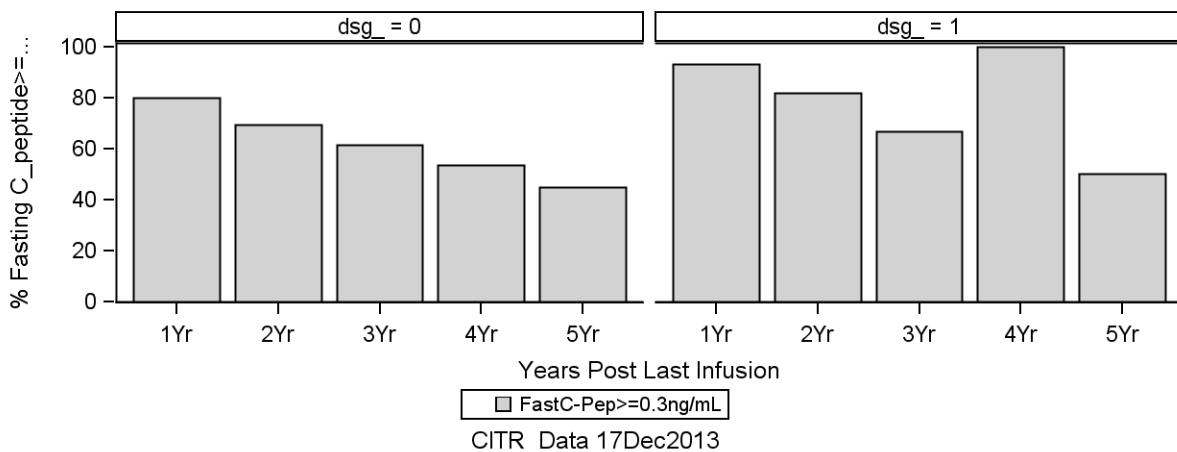
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.1071	.	.	.	.	.
<i>yrspli</i>	-0.2355	.	.	.	.	.
<i>belata_</i>	-22.5302	.	.	.	.	.

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>
<i>dsg_</i> FastC-Pep ≥ 0.3 ng/mL						
0	<0.3	109	145	153	157	165
	≥ 0.3	439	327	244	180	134
1	<0.3	1	2	2	.	1
	≥ 0.3	14	9	4	3	1
<i>Total</i> FastC-Pep ≥ 0.3 ng/mL						
	<0.3	110	147	155	157	166
	≥ 0.3	453	336	248	183	135

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
<i>Intercept</i>	1.5335	0.1142	1.3096 1.7573	13.43	<.0001
<i>yrspli</i>	-0.2685	0.0266	-0.3207 -0.2164	-10.09	<.0001
<i>dsg_</i>	1.3969	0.9346	-0.4349 3.2287	1.49	0.1350
<i>yrspli*dsg_</i>	-0.2581	0.2569	-0.7617 0.2455	-1.00	0.3152

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.5399	0.1143	1.3159	1.7639	13.47	<.0001
<i>yrspli</i>	-0.2702	0.0265	-0.3222	-0.2182	-10.18	<.0001
<i>dsg_</i>	0.6382	0.6322	-0.6009	1.8774	1.01	0.3127

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.5160	.	.	.	.	.
<i>yrspli</i>	-0.3448	.	.	.	.	.
<i>dsg_</i>	110.3106	.	.	.	.	.
<i>yrspli*dsg_</i>	-22.0205	.	.	.	.	.

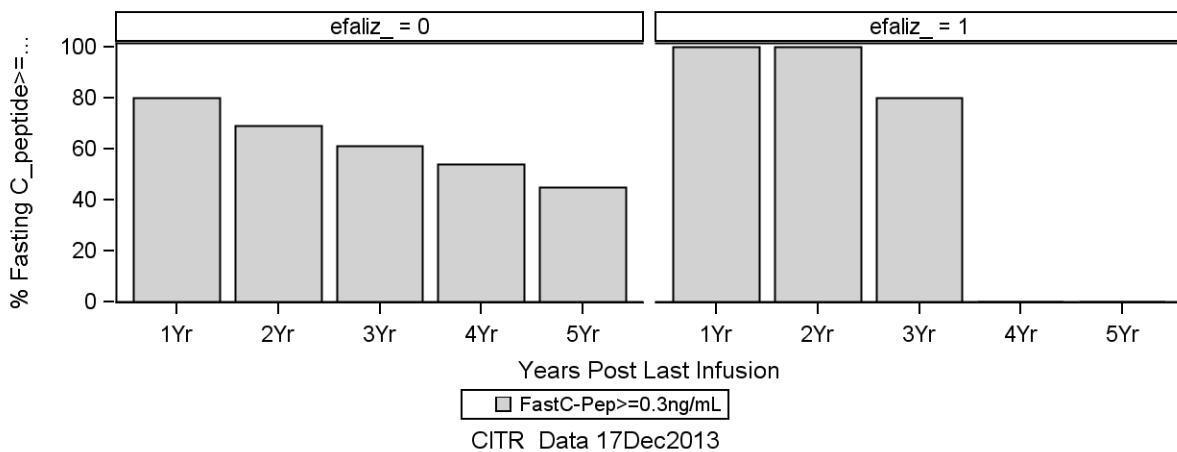
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.0874	0.3057	0.4883	1.6865	3.56	0.0004
<i>yrspli</i>	-0.2349	0.0642	-0.3607	-0.1092	-3.66	0.0003
<i>dsg_</i>	1.1580	1.0404	-0.8811	3.1971	1.11	0.2657

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
efaliz_ FastC-Pep≥ 0.3 ng/mL						
0	<0.3	110	147	154	156	165
	≥ 0.3	443	327	244	183	135
1	<0.3	.	.	1	1	1
	≥ 0.3	10	9	4	.	.
Total FastC-Pep≥ 0.3 ng/mL						
	<0.3	110	147	155	157	166
	≥ 0.3	453	336	248	183	135

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.6693	.	.	.	.
yrspli	-0.3838	.	.	.	.
efaliz_	66.8107	.	.	.	.
yrspli*efaliz_	-21.9808	.	.	.	.

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.5433	0.1145	1.3188	1.7678	13.47	<.0001
<i>yrspli</i>	-0.2701	0.0266	-0.3221	-0.2180	-10.17	<.0001
<i>efaliz_</i>	0.5370	0.7626	-0.9577	2.0317	0.70	0.4813

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.6008	.	.	.	.	.
<i>yrspli</i>	-0.3603	.	.	.	.	.
<i>efaliz_</i>	-21.9661	.	.	.	.	.
<i>yrspli*efaliz_</i>	0.3603	.	.	.	.	.

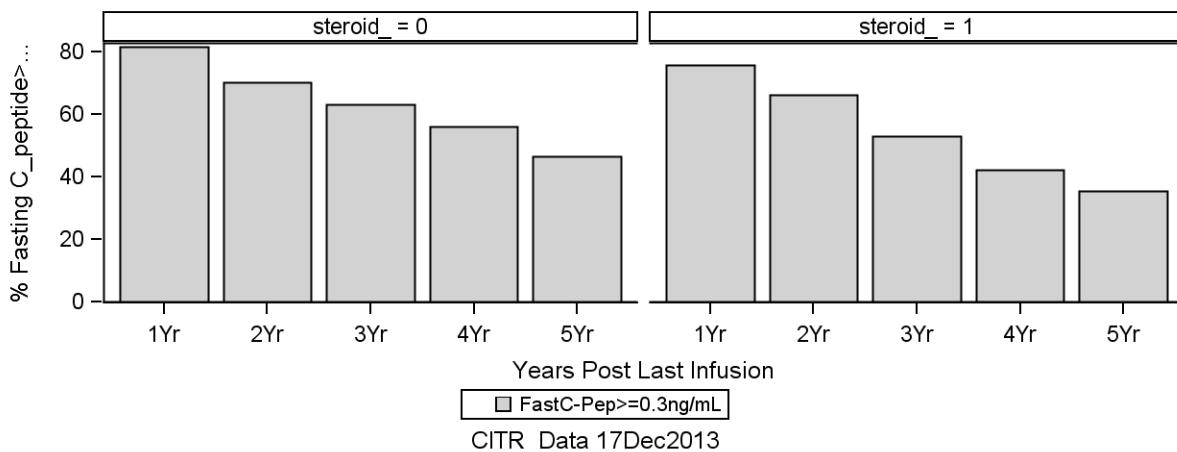
The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

<i>Parameter</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>95% Confidence Limits</i>		<i>Z</i>	<i>Pr > |Z|</i>
<i>Intercept</i>	1.6008	.	.	.	.	.
<i>yrspli</i>	-0.3603	.	.	.	.	.
<i>efaliz_</i>	-22.3503	.	.	.	.	.

Fasting C_peptide>=0.3 ng/mL



		Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>steroid_ FastC-Pep>=0.3ng/mL</i>						
0	<0.3	83	117	124	127	137
	≥0.3	368	277	213	161	119
1	<0.3	27	30	31	30	29
	≥0.3	85	59	35	22	16
<i>Total FastC-Pep>=0.3ng/mL</i>						
	<0.3	110	147	155	157	166
	≥0.3	453	336	248	183	135

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.6262	0.1274	1.3765 1.8758	12.77	<.0001
yrspli	-0.2893	0.0300	-0.3482 -0.2304	-9.63	<.0001
steroid_	-0.3729	0.2737	-0.9093 0.1634	-1.36	0.1729
yrspli*steroid_	0.1066	0.0583	-0.0078 0.2209	1.83	0.0677

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.5533	0.1176	1.3228	1.7837	13.21	<.0001
yrspli	-0.2701	0.0265	-0.3221	-0.2181	-10.19	<.0001
steroid_	0.0069	0.2068	-0.3984	0.4123	0.03	0.9732

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.2115	0.3442	0.5369	1.8861	3.52	0.0004
yrspli	-0.2421	0.0724	-0.3840	-0.1002	-3.34	0.0008
steroid_	-0.7180	0.7127	-2.1150	0.6789	-1.01	0.3137
yrspli*steroid_	0.0412	0.1473	-0.2476	0.3299	0.28	0.7799

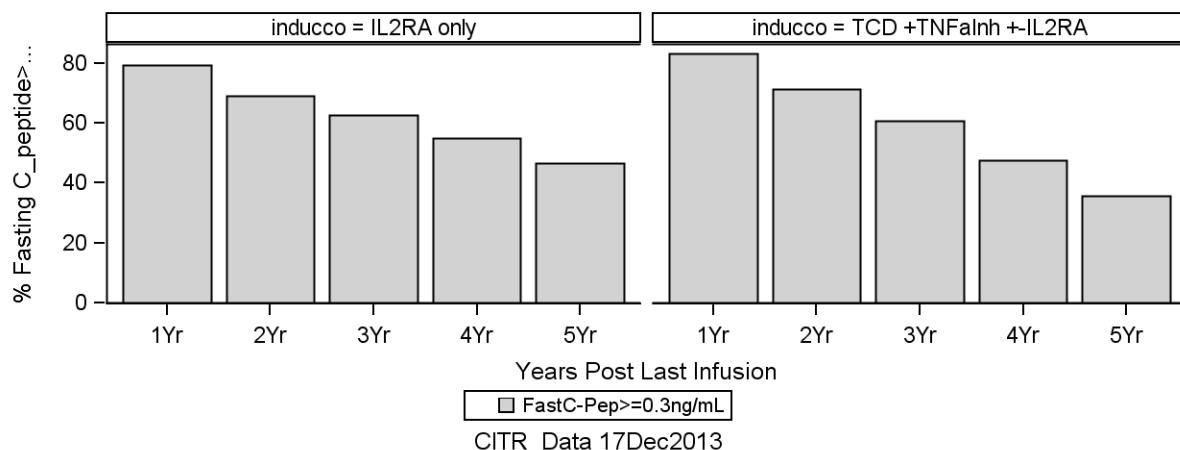
The GENMOD Procedure

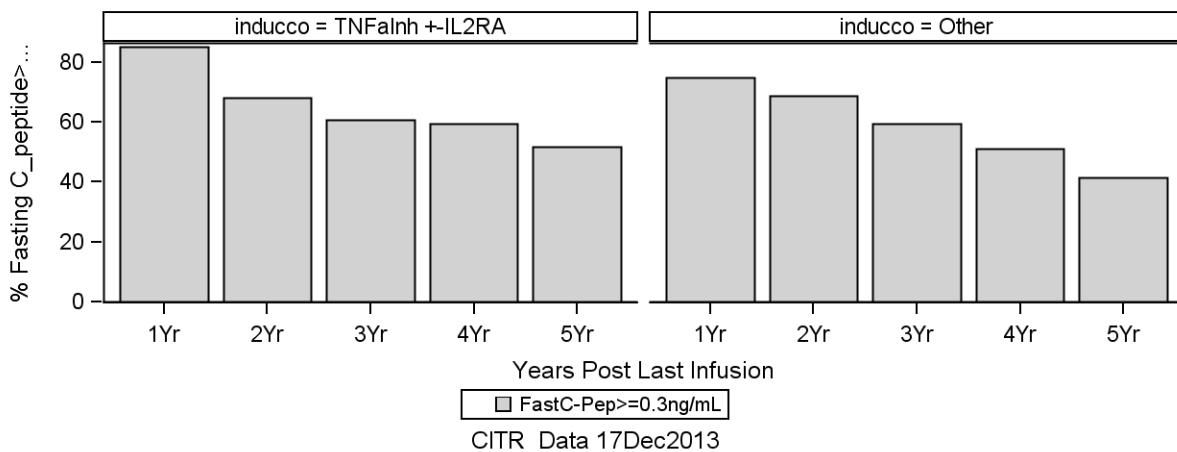
Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1861	0.3116	0.5754	1.7967	3.81	0.0001
yrspli	-0.2364	0.0647	-0.3631	-0.1097	-3.66	0.0003
steroid_	-0.5378	0.2994	-1.1247	0.0490	-1.80	0.0725

Fasting C_peptide>=0.3 ng/mL





inducco	FastC-Pep>=0.3ng/mL	Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
IL2RA only	<0.3	50	72	83	88	96
	>=0.3	191	160	138	107	84
TCD +TNFalpha + IL2RA	<0.3	31	37	33	32	29
	>=0.3	151	92	51	29	16
TNFalpha + IL2RA	<0.3	9	17	17	15	16
	>=0.3	51	36	26	22	17
Other	<0.3	20	21	22	22	24
	>=0.3	59	46	32	23	17
Total	FastC-Pep>=0.3ng/mL					
	<0.3	110	147	155	157	165
	>=0.3	452	334	247	181	134

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
Intercept	1.5931	0.1686	1.2628 1.9235	9.45	<.0001
yrspli	-0.2961	0.0385	-0.3716 -0.2206	-7.69	<.0001
inducco	-0.0218	0.0512	-0.1221 0.0785	-0.43	0.6701
yrspli*inducco	0.0118	0.0122	-0.0121 0.0357	0.97	0.3338

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.4754	0.1452	1.1908	1.7600	10.16	<.0001
yrspli	-0.2676	0.0265	-0.3196	-0.2156	-10.09	<.0001
inducco	0.0276	0.0373	-0.0456	0.1008	0.74	0.4596

Testing at 4-5 yr

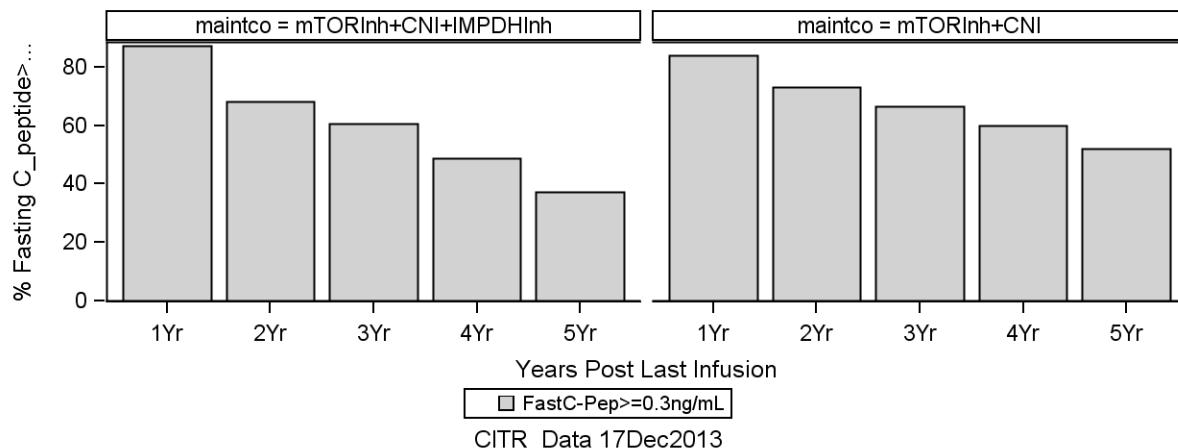
The GENMOD Procedure

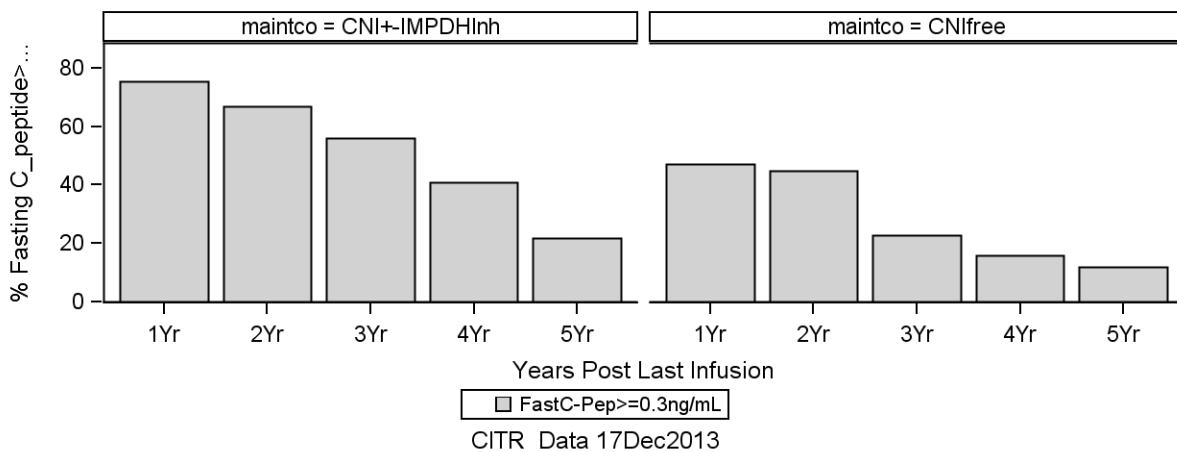
Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.0613	0.4190	0.2400	1.8825	2.53	0.0113
yrspli	-0.2192	0.0874	-0.3905	-0.0480	-2.51	0.0121
inducco	-0.0111	0.1396	-0.2848	0.2626	-0.08	0.9368
yrspli*inducco	-0.0012	0.0295	-0.0591	0.0567	-0.04	0.9683

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.0744	0.3198	0.4476	1.7013	3.36	0.0008
yrspli	-0.2222	0.0632	-0.3461	-0.0983	-3.51	0.0004
inducco	-0.0163	0.0448	-0.1042	0.0716	-0.36	0.7162

Fasting C_peptide>=0.3 ng/mL





maintco	<i>FastC-Pep</i> ≥ 0.3 ng/mL	Years Post Last Infusion				
		1	2	3	4	5
		n	n	n	n	n
<i>mTORinh+CNI+IMPDHinh</i>	<0.3	11	22	24	22	22
	≥ 0.3	75	47	37	21	13
<i>mTORinh+CNI</i>	<0.3	54	81	85	93	103
	≥ 0.3	280	218	168	139	112
<i>CNI+IMPDHinh</i>	<0.3	26	28	29	26	25
	≥ 0.3	80	56	37	18	7
<i>CNIfree</i>	<0.3	19	16	17	16	15
	≥ 0.3	17	13	5	3	2
<i>Total</i>	<i>FastC-Pep</i> ≥ 0.3 ng/mL					
	<0.3	110	147	155	157	165
	≥ 0.3	452	334	247	181	134

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits	Z	Pr > |Z|
<i>Intercept</i>	2.6327	0.3535	1.9398 3.3256	7.45	<.0001
<i>yrspli</i>	-0.4495	0.0802	-0.6067 -0.2923	-5.61	<.0001
<i>maintco</i>	-0.4939	0.1495	-0.7869 -0.2010	-3.30	0.0010
<i>yrspli*maintco</i>	0.0810	0.0328	0.0167 0.1454	2.47	0.0136

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
<i>Intercept</i>	2.0756	0.2716	1.5433	2.6079	7.64	<.0001
<i>yrspli</i>	-0.2740	0.0261	-0.3252	-0.2228	-10.48	<.0001
<i>maintco</i>	-0.2450	0.1161	-0.4725	-0.0175	-2.11	0.0348

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
<i>Intercept</i>	1.1359	0.8305	-0.4918	2.7636	1.37	0.1714
<i>yrspli</i>	-0.0006	0.1633	-0.3207	0.3195	-0.00	0.9972
<i>maintco</i>	-0.0223	0.3829	-0.7728	0.7281	-0.06	0.9535
<i>yrspli*maintco</i>	-0.1108	0.0769	-0.2615	0.0400	-1.44	0.1498

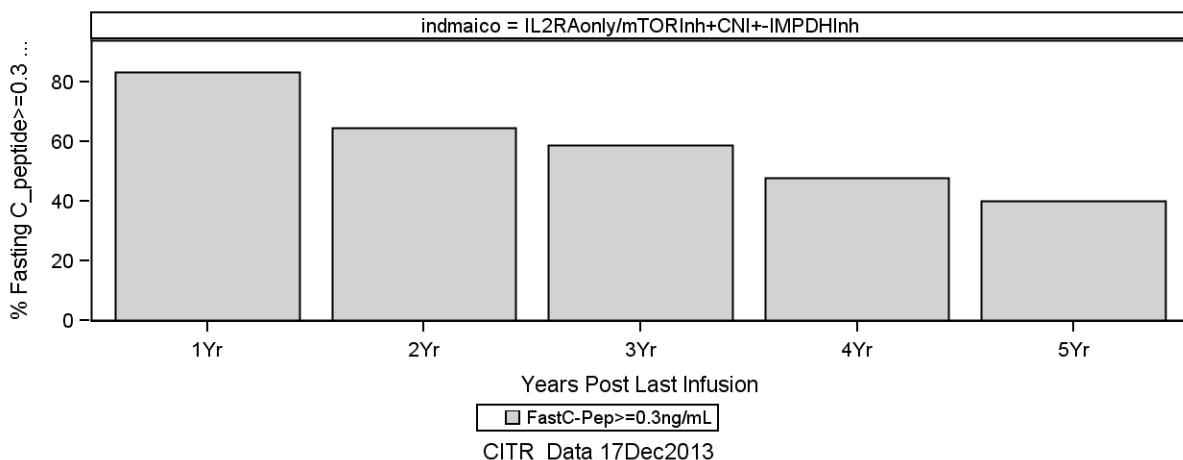
The GENMOD Procedure

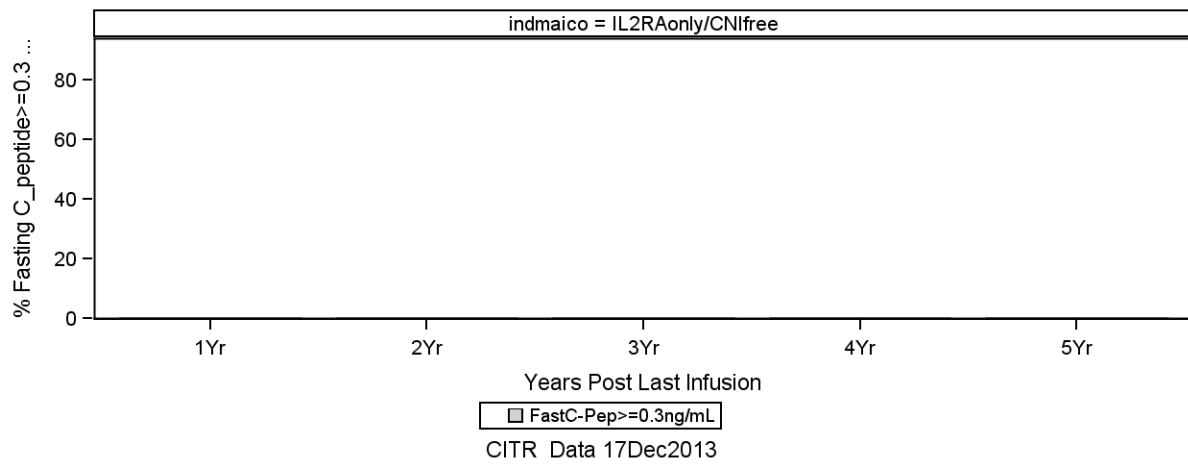
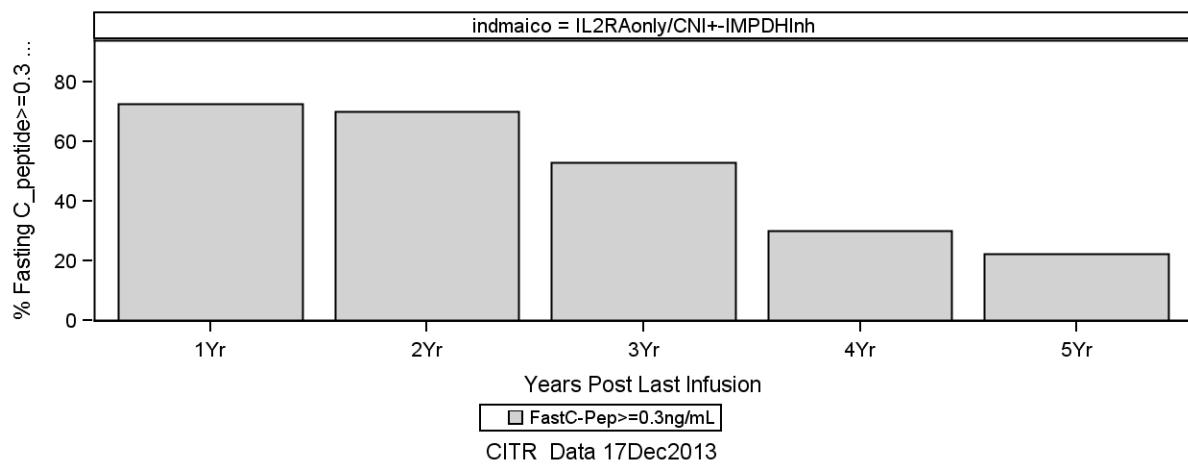
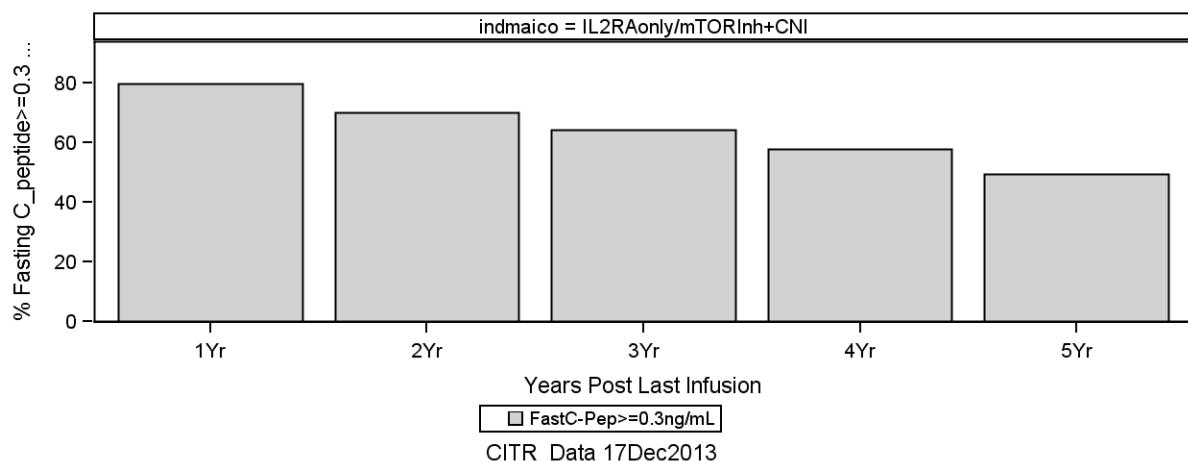
Analysis Of GEE Parameter Estimates

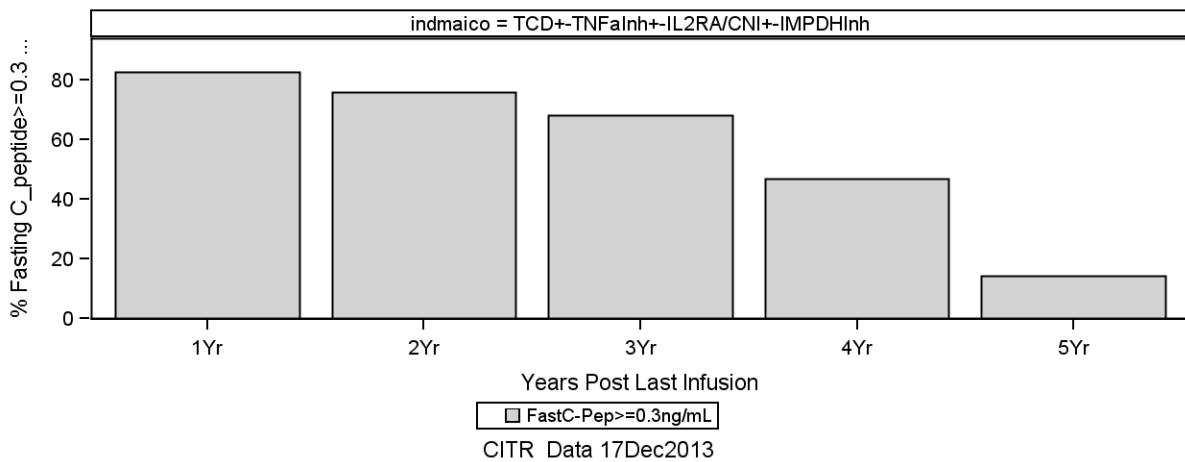
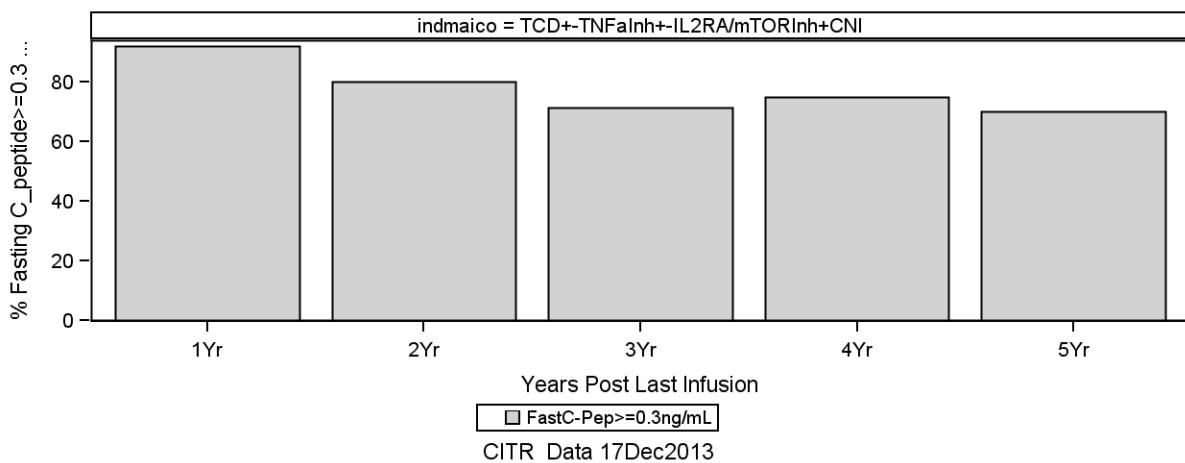
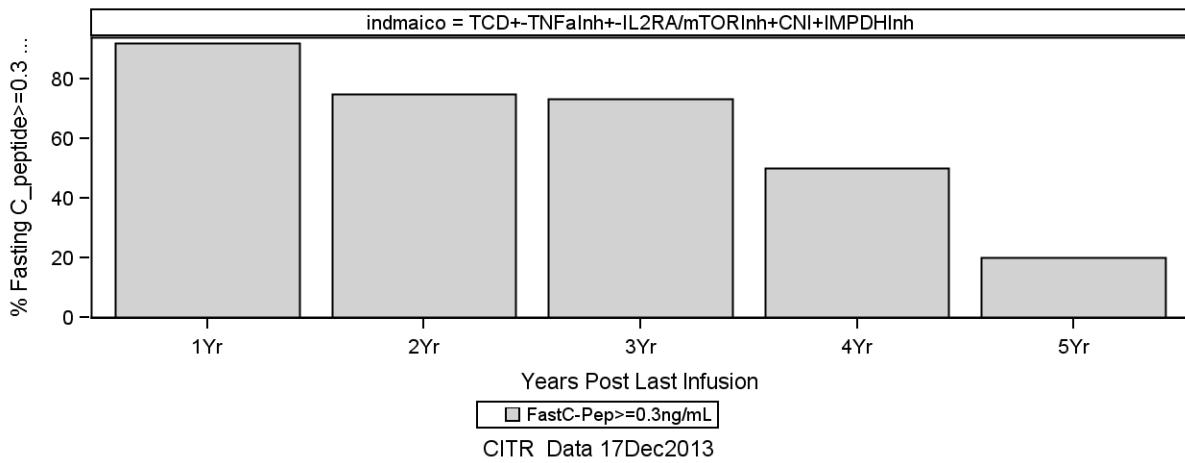
Empirical Standard Error Estimates

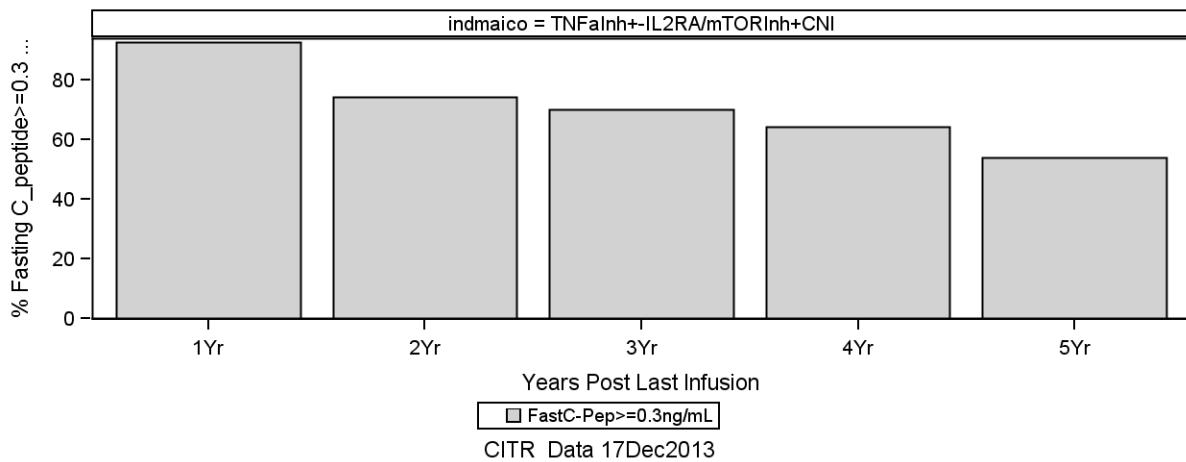
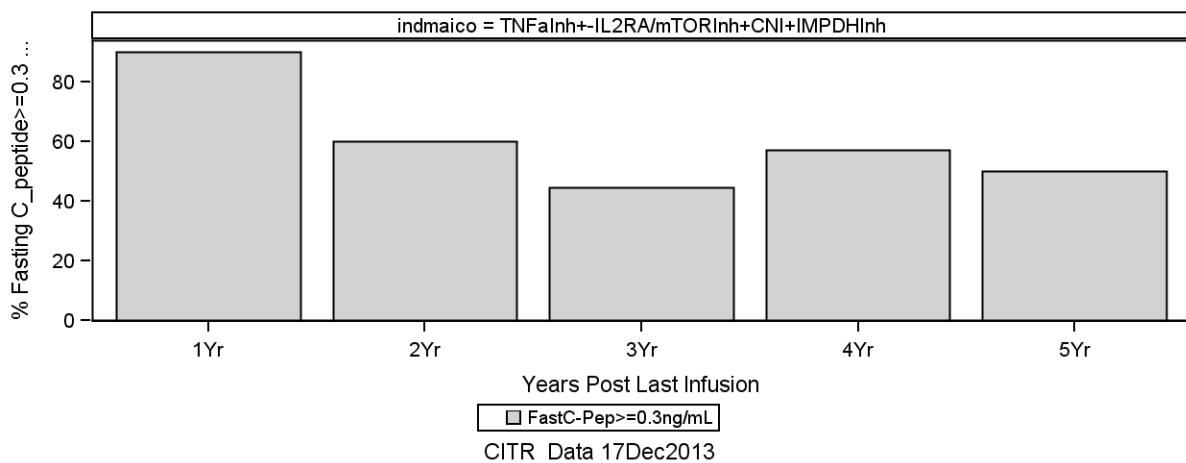
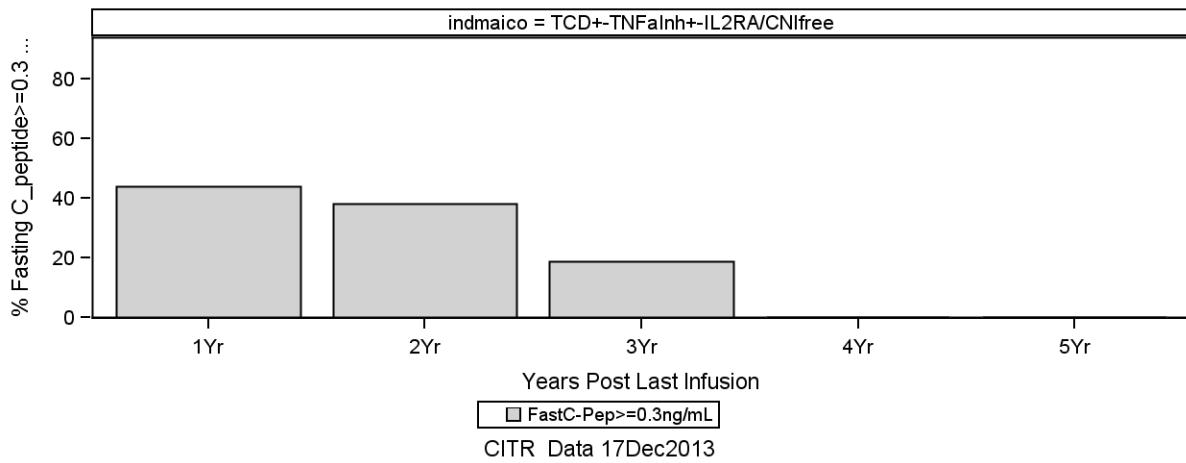
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
<i>Intercept</i>	2.1343	0.4768	1.1998	3.0689	4.48	<.0001
<i>yrspli</i>	-0.2280	0.0649	-0.3553	-0.1008	-3.51	0.0004
<i>maintco</i>	-0.5059	0.1600	-0.8194	-0.1924	-3.16	0.0016

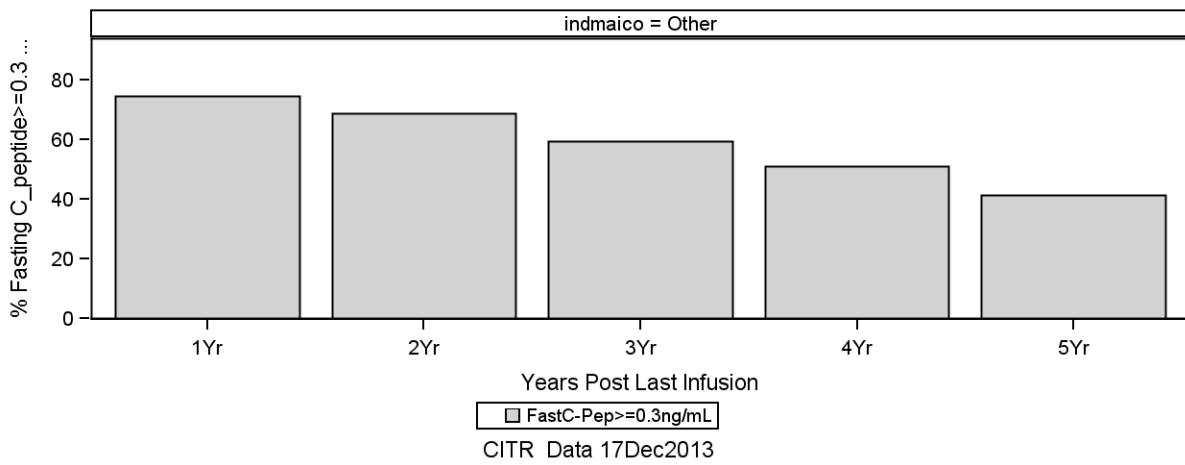
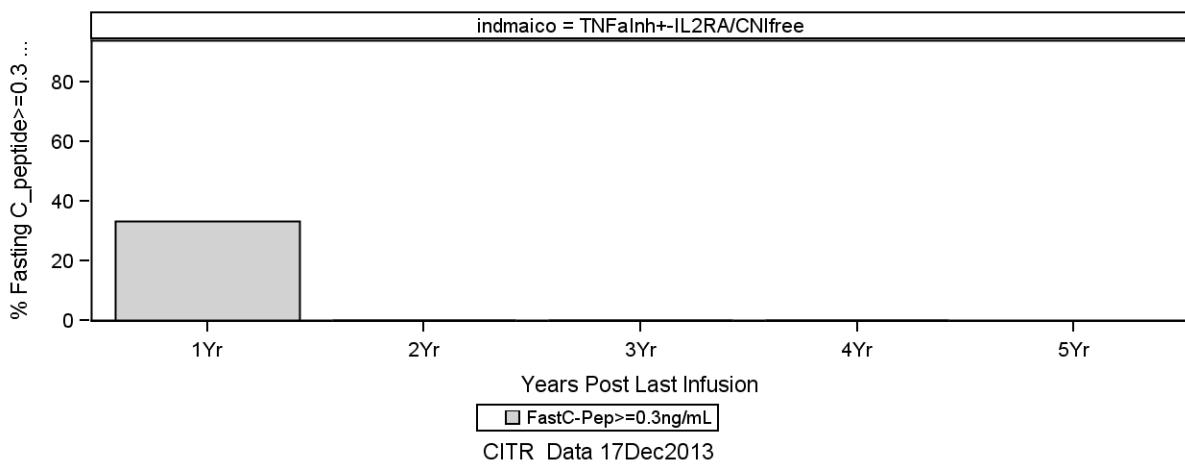
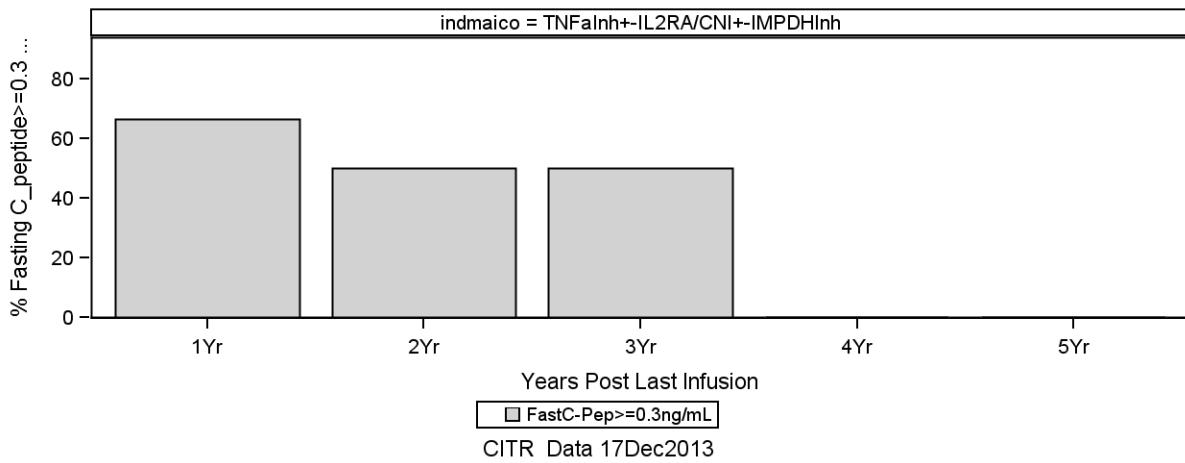
Fasting C_peptide>=0.3 ng/mL











			Years Post Last Infusion				
			1	2	3	4	5
			n	n	n	n	n
<i>indmaico</i>		<i>FastC-Pep>=0.3ng/mL</i>					
<i>IL2RAonly/mTORinh+CNI+-IMPDHinh</i>	<0.3		5	11	12	12	12
	≥0.3		25	20	17	11	8
<i>IL2RAonly/mTORinh+CNI</i>	<0.3		38	54	62	68	76
	≥0.3		150	126	112	93	74
<i>IL2RAonly/CNIfree</i>	<0.3		6	6	8	7	7
	≥0.3		16	14	9	3	2
<i>TCD+-TNFalphainh+-IL2RA/mTORinh+CNI+IMPDHinh</i>	<0.3		1	1	1	1	1
	≥0.3		3	5	4	4	4
<i>TCD+-TNFalphainh+-IL2RA/mTORinh+CNI</i>	<0.3		34	15	11	4	1
	≥0.3		6	11	8	6	6
<i>TCD+-TNFalphainh+-IL2RA/CNI+-IMPDHinh</i>	<0.3		68	44	20	18	14
	≥0.3		8	8	8	8	6
<i>TCD+-TNFalphainh+-IL2RA/CNIfree</i>	<0.3		38	25	17	7	1
	≥0.3		14	13	13	14	13
<i>TNFalphainh+-IL2RA/mTORinh+CNI+IMPDHinh</i>	<0.3		11	8	3	.	.
	≥0.3		9	6	4	4	3
<i>TNFalphainh+-IL2RA/mTORinh+CNI</i>	<0.3		3	10	9	10	12
	≥0.3		38	29	21	18	14
<i>TNFalphainh+-IL2RA/CNI+-IMPDHinh</i>	<0.3		1	1	1	1	1
	≥0.3		2	1	1	.	.
<i>TNFalphainh+-IL2RA/CNIfree</i>	<0.3		2	2	2	1	.
	≥0.3		4	2	2	.	.
<i>Other</i>	<0.3		2	.	.	.	.
	≥0.3		20	21	22	22	24
<i>Total</i>		<i>FastC-Pep>=0.3ng/mL</i>					
	<0.3		59	46	32	23	17
	≥0.3		452	334	247	181	134

Testing at 1-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
<i>Intercept</i>	1.6041	0.2539	1.1064	2.1018	6.32	<.0001
<i>yrspli</i>	-0.3155	0.0568	-0.4269	-0.2042	-5.55	<.0001
<i>indmaico</i>	-0.0031	0.0106	-0.0239	0.0177	-0.29	0.7695
<i>yrspli*indmaico</i>	0.0023	0.0024	-0.0025	0.0071	0.95	0.3435

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.4045	0.2019	1.0088	1.8001	6.96	<.0001
yrspli	-0.2673	0.0265	-0.3192	-0.2153	-10.08	<.0001
indmaico	0.0064	0.0078	-0.0089	0.0217	0.82	0.4109

Testing at 4-5 yr

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.0866	0.6100	-0.1090	2.2821	1.78	0.0749
yrspli	-0.2131	0.1274	-0.4628	0.0367	-1.67	0.0946
indmaico	-0.0025	0.0282	-0.0577	0.0528	-0.09	0.9304
yrspli*indmaico	-0.0005	0.0060	-0.0121	0.0112	-0.08	0.9396

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	1.1281	0.3555	0.4314	1.8248	3.17	0.0015
yrspli	-0.2224	0.0632	-0.3463	-0.0984	-3.52	0.0004
indmaico	-0.0045	0.0091	-0.0223	0.0133	-0.49	0.6226