# Exhibit A-10b. IAK Fasting C-peptide levels post last infusion (boxplots and generalized estimating equations)

`Basal C-peptide (mg/dL) by Era`

CITR Data 17Dec2015

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	-0.6433	0.2149	-1.0646	-0.2221	-2.99	0.0028
era	0.2942	0.0797	0.1379	0.4504	3.69	0.0002
yrspli	0.0025	0.0224	-0.0413	0.0464	0.11	0.9092

	1			2			3			4			5		
	bcpep_			bcpep_			bcpep_			bcpep_			bcpep_		
	N	Mean	SE	N	Mean	SE	N	Mean	SE	N	Mean	SE	N	Mean	SE
Era															
1999-2002	42	1.3	0.2	39	1.1	0.2	38	0.8	0.2	33	0.7	0.2	29	0.7	0.2
2003-2006	48	1.5	0.2	44	1.3	0.2	40	1.0	0.2	32	0.8	0.2	30	0.9	0.2
2007-2010	25	2.3	0.3	22	2.4	0.3	21	2.6	0.5	8	2.0	0.5	6	2.6	1.0
2011-2014	18	2.1	0.5	15	1.7	0.4	10	1.3	0.3	.	.	.	.	.	.

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Exhibit A-10b. IAK Fasting C-peptide levels post last infusion (boxplots and generalized estimating equations)

Basal C-peptide (mg/dL) by Transplant type
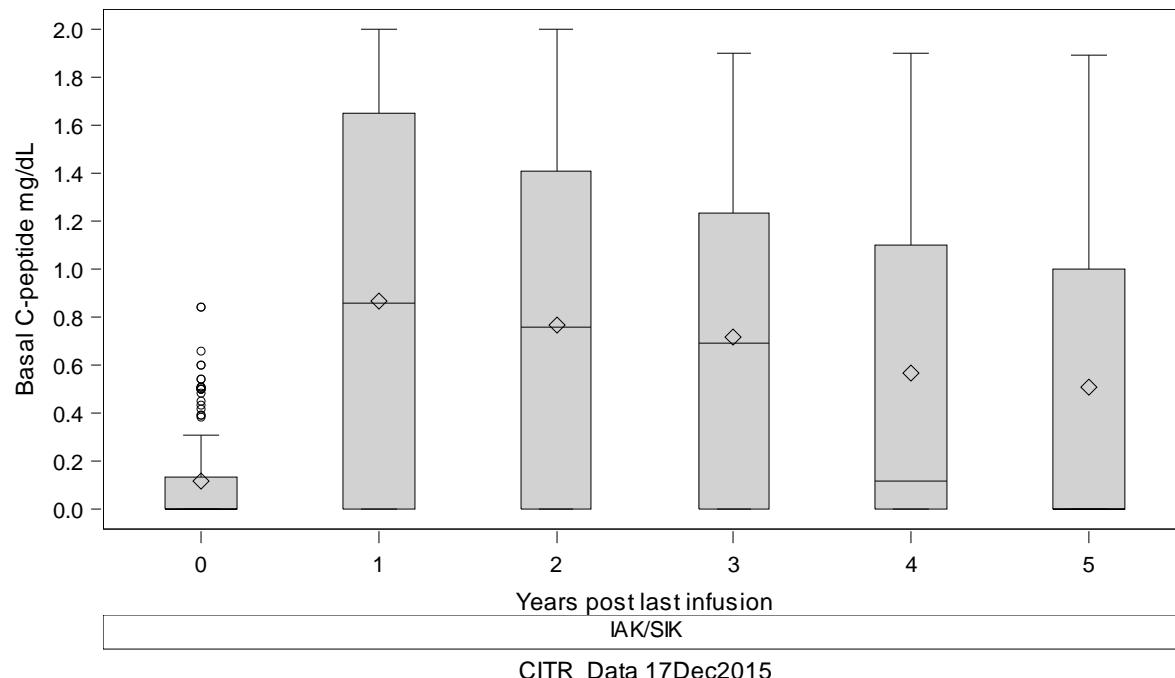
CITR Data 17Dec2015

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.0847	0.0741	-0.0605	0.2300	1.14	0.2530
typeoftran	0.0000	0.0000	0.0000	0.0000	.	.
yrspli	-0.0387	0.0204	-0.0788	0.0013	-1.90	0.0580

	1			2			3			4			5		
	bcpep_			bcpep_			bcpep_			bcpep_			bcpep_		
	N	Mean	SE	N	Mean	SE	N	Mean	SE	N	Mean	SE	N	Mean	SE
Transplant type															
IAK	133	1.7	0.1	120	1.5	0.1	109	1.3	0.1	73	0.9	0.1	65	0.9	0.2

Exhibit A-10b. IAK Fasting C-peptide levels post last infusion (boxplots and generalized estimating equations)

`Basal C-peptide (mg/dL) by Recipient age`
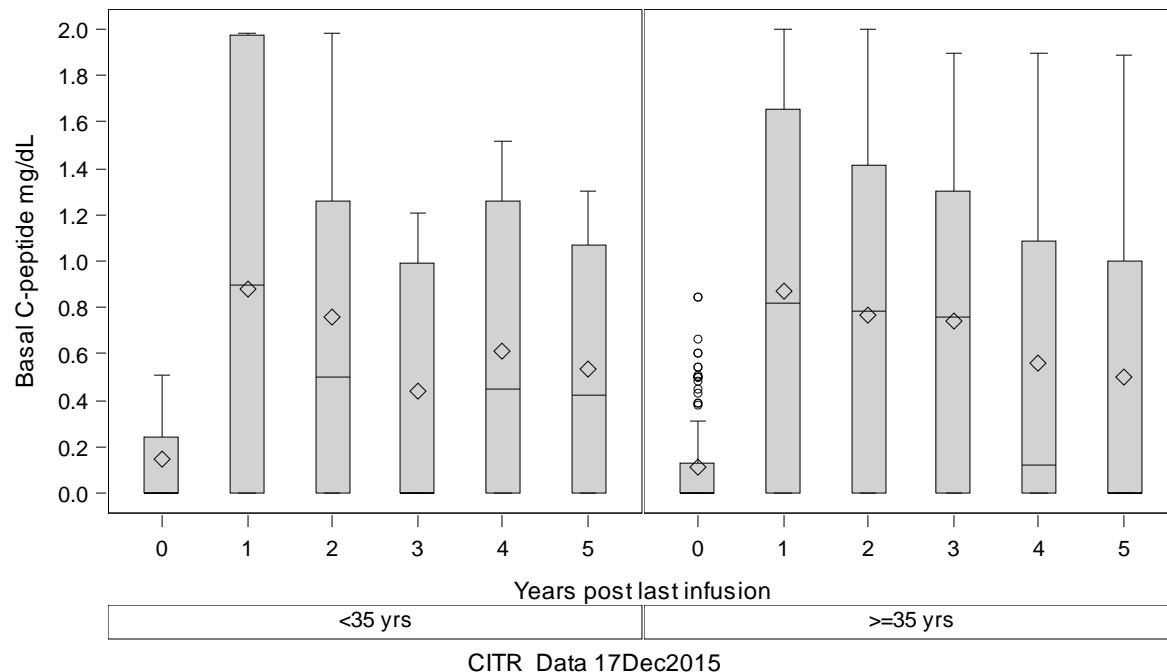
CITR Data 17Dec2015

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	-0.2833	0.5447	-1.3510	0.7843	-0.52	0.6030
age_c	0.1913	0.2809	-0.3592	0.7418	0.68	0.4959
yrspli	-0.0380	0.0207	-0.0786	0.0025	-1.84	0.0659

	1			2			3			4			5		
	*bcpep_*			*bcpep_*			*bcpep_*			*bcpep_*			*bcpep_*		
	N	Mean	SE	N	Mean	SE	N	Mean	SE	N	Mean	SE	N	Mean	SE
Recipient age															
<35 yrs	13	1.6	0.3	11	1.1	0.3	9	1.1	0.5	8	1.1	0.4	6	0.5	0.2
>=35 yrs	120	1.7	0.1	109	1.5	0.1	100	1.3	0.2	65	0.9	0.1	59	1.0	0.2

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Exhibit A-10b. IAK Fasting C-peptide levels post last infusion (boxplots and generalized estimating equations)

Basal C-peptide (mg/dL) by Total IEQs all infusions
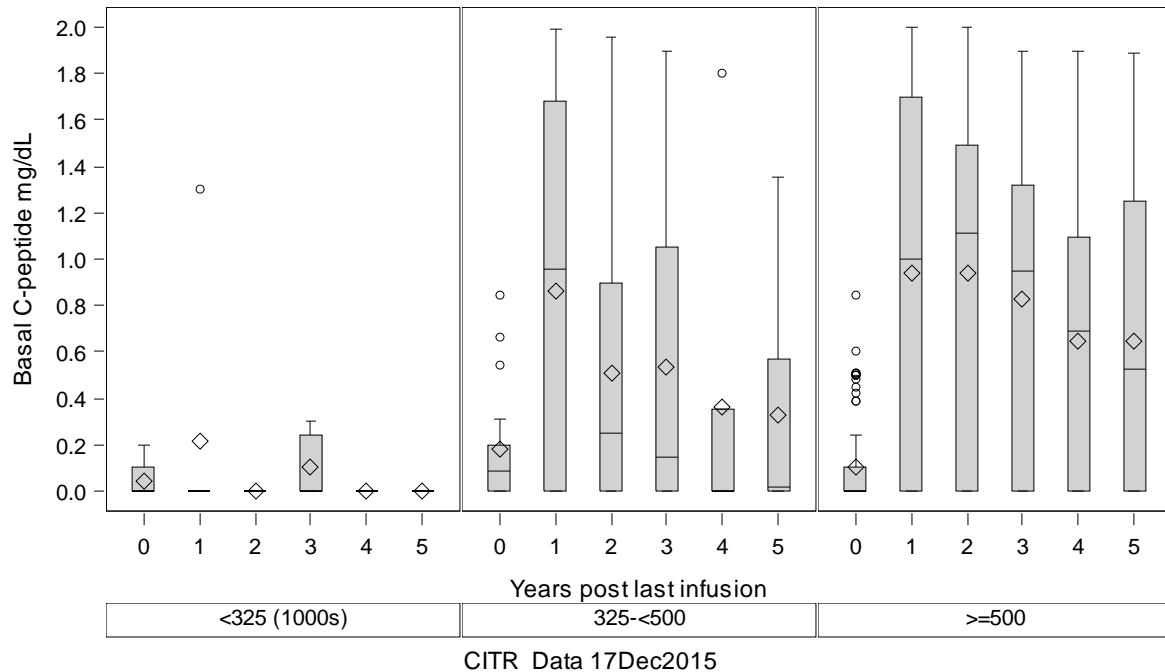
CITR Data 17Dec2015

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	-1.4086	0.7886	-2.9543	0.1371	-1.79	0.0741
ieqinf_c	0.5445	0.2692	0.0169	1.0721	2.02	0.0431
yrspli	-0.0364	0.0218	-0.0791	0.0063	-1.67	0.0943

	1			2			3			4			5		
	bcpep_			bcpep_			bcpep_			bcpep_			bcpep_		
	N	Mean	SE	N	Mean	SE	N	Mean	SE	N	Mean	SE	N	Mean	SE
Total IEQs all infusions															
<325 (1000s)	7	0.6	0.4	6	1.0	1.0	6	1.0	0.9	4	0.0	0.0	4	0.0	0.0
325-<500	17	1.2	0.3	14	0.8	0.2	14	1.0	0.4	7	0.6	0.4	6	0.3	0.2
>=500	90	1.9	0.2	84	1.7	0.2	73	1.5	0.2	50	1.0	0.2	46	1.2	0.2

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Exhibit A-10b. IAK Fasting C-peptide levels post last infusion (boxplots and generalized estimating equations)

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Basal C-peptide (mg/dL) by Cultured>6h
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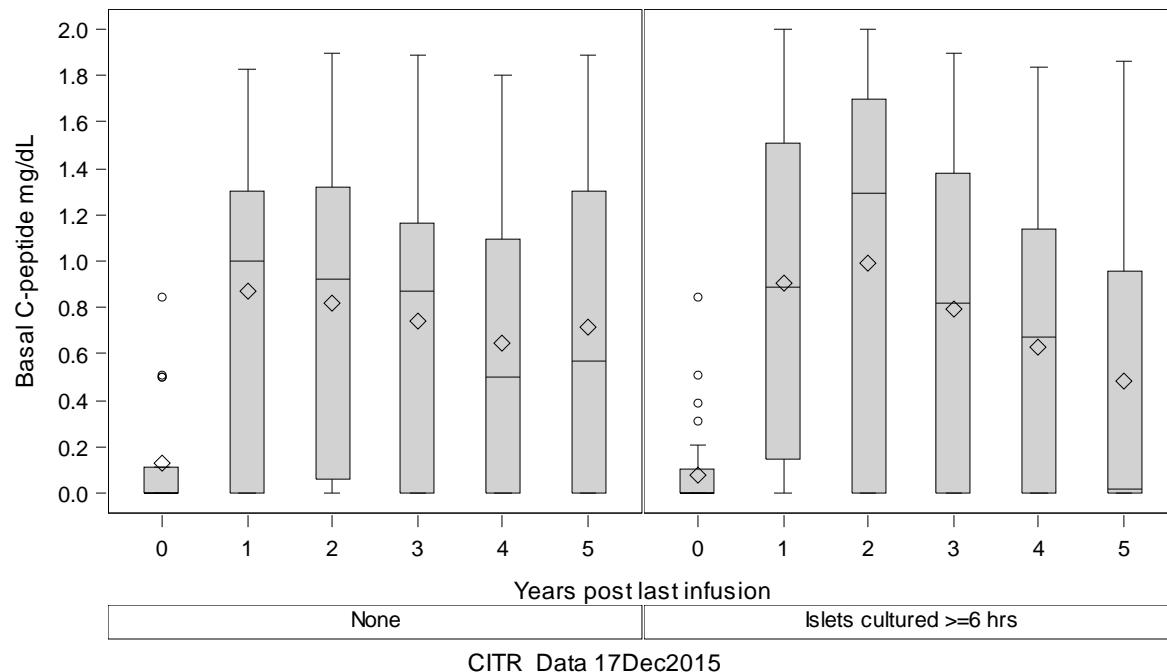

CITR Data 17Dec2015

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.0294	0.2048	-0.3721	0.4308	0.14	0.8860
cultured_	0.0388	0.2522	-0.4555	0.5332	0.15	0.8777
yrspli	-0.0311	0.0274	-0.0847	0.0225	-1.14	0.2561

	1			2			3			4			5		
	bcpep_			bcpep_			bcpep_			bcpep_			bcpep_		
	N	Mean	SE	N	Mean	SE	N	Mean	SE	N	Mean	SE	N	Mean	SE
Cultured>6h															
None	19	1.6	0.3	18	1.0	0.2	17	1.2	0.3	15	0.9	0.2	14	1.0	0.3
Islets cultured >=6 hrs	46	1.6	0.2	40	1.7	0.2	36	1.5	0.3	23	0.8	0.2	20	0.7	0.2

Exhibit A-10b. IAK Fasting C-peptide levels post last infusion (boxplots and generalized estimating equations)

Basal C-peptide (mg/dL) by Induction
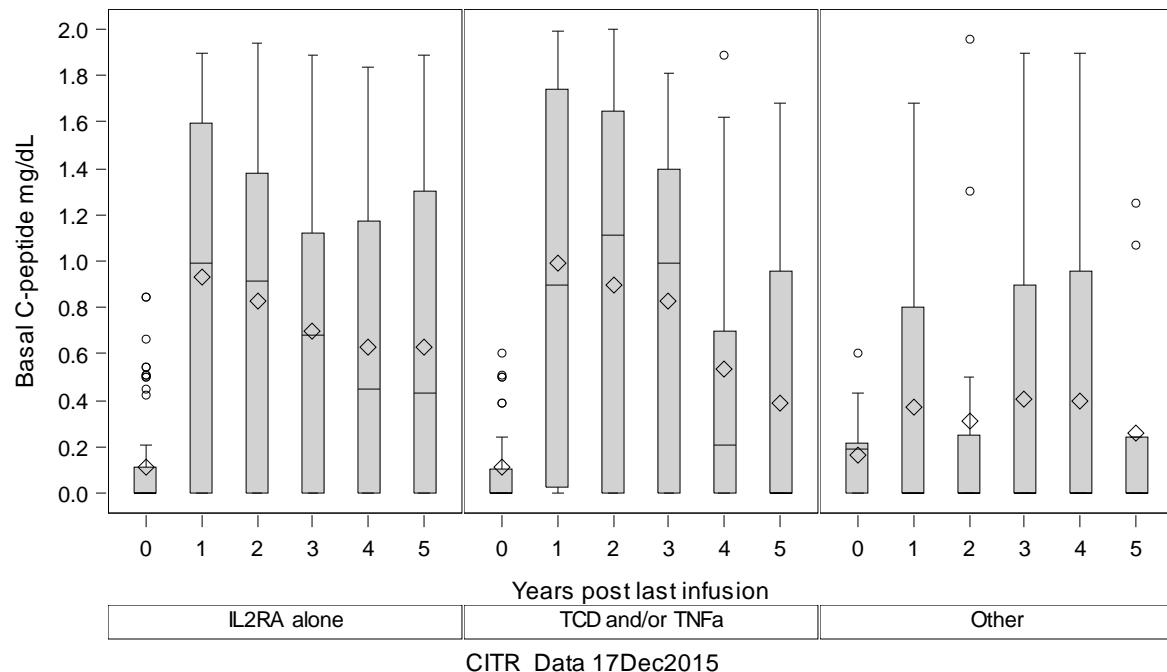
CITR Data 17Dec2015

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	0.1266	0.0924	-0.0545	0.3077	1.37	0.1707
inducco	-0.0518	0.1409	-0.3279	0.2244	-0.37	0.7133
yrspli	-0.0389	0.0204	-0.0789	0.0011	-1.91	0.0565

	1			2			3			4			5		
	bcpep_			bcpep_			bcpep_			bcpep_			bcpep_		
	N	Mean	SE	N	Mean	SE	N	Mean	SE	N	Mean	SE	N	Mean	SE
Induction															
IL2RA alone	62	1.6	0.2	61	1.2	0.2	57	1.3	0.2	42	0.9	0.2	38	1.0	0.2
TCD and/or TNFa	38	1.8	0.2	33	1.7	0.2	30	1.3	0.2	16	0.9	0.2	13	0.7	0.2
Other	19	1.6	0.5	17	1.7	0.6	16	1.3	0.5	13	0.9	0.4	12	1.0	0.5

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Exhibit A-10b. IAK Fasting C-peptide levels post last infusion (boxplots and generalized estimating equations)

Basal C-peptide (mg/dL) by Maintenance
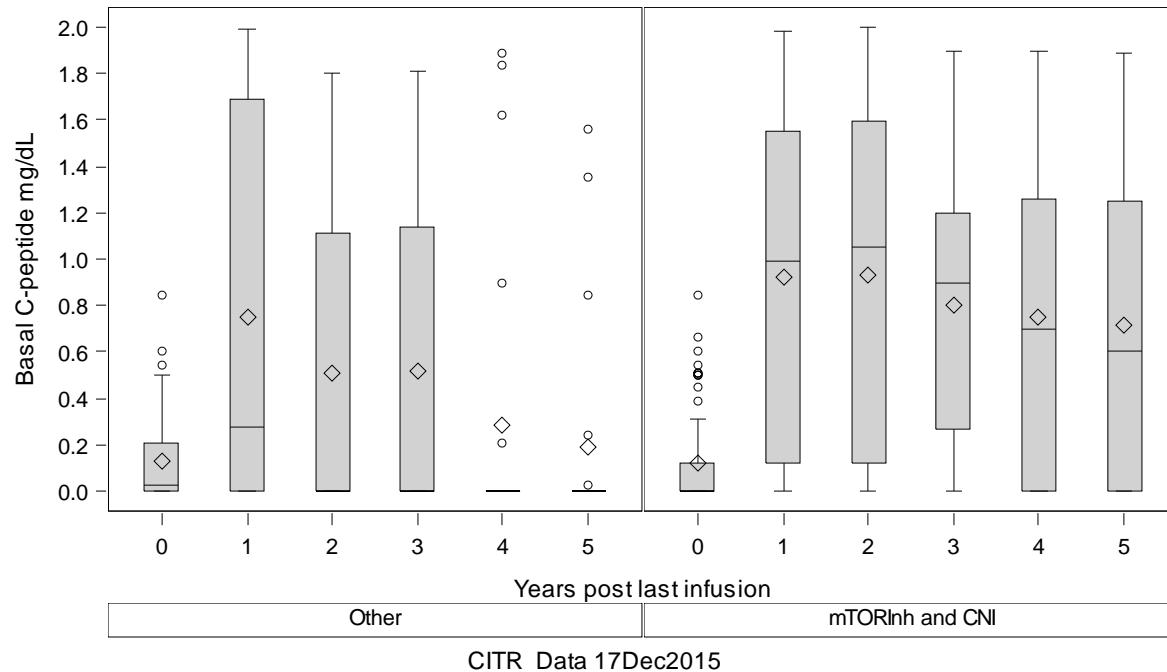
CITR Data 17Dec2015

The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > |Z|
Intercept	-0.2702	0.2009	-0.6639	0.1235	-1.34	0.1786
maint	0.5060	0.2206	0.0737	0.9384	2.29	0.0218
yrspli	-0.0297	0.0212	-0.0713	0.0118	-1.40	0.1607

	1			2			3			4			5		
	bcpep_			bcpep_			bcpep_			bcpep_			bcpep_		
	N	Mean	SE	N	Mean	SE	N	Mean	SE	N	Mean	SE	N	Mean	SE
Maintenance															
Other	46	1.5	0.2	42	1.2	0.2	39	0.9	0.2	25	0.4	0.2	22	0.3	0.1
mTORInh and CNI	73	1.8	0.2	69	1.6	0.2	64	1.5	0.2	46	1.2	0.2	41	1.3	0.2

CITR   Data 17Dec2015