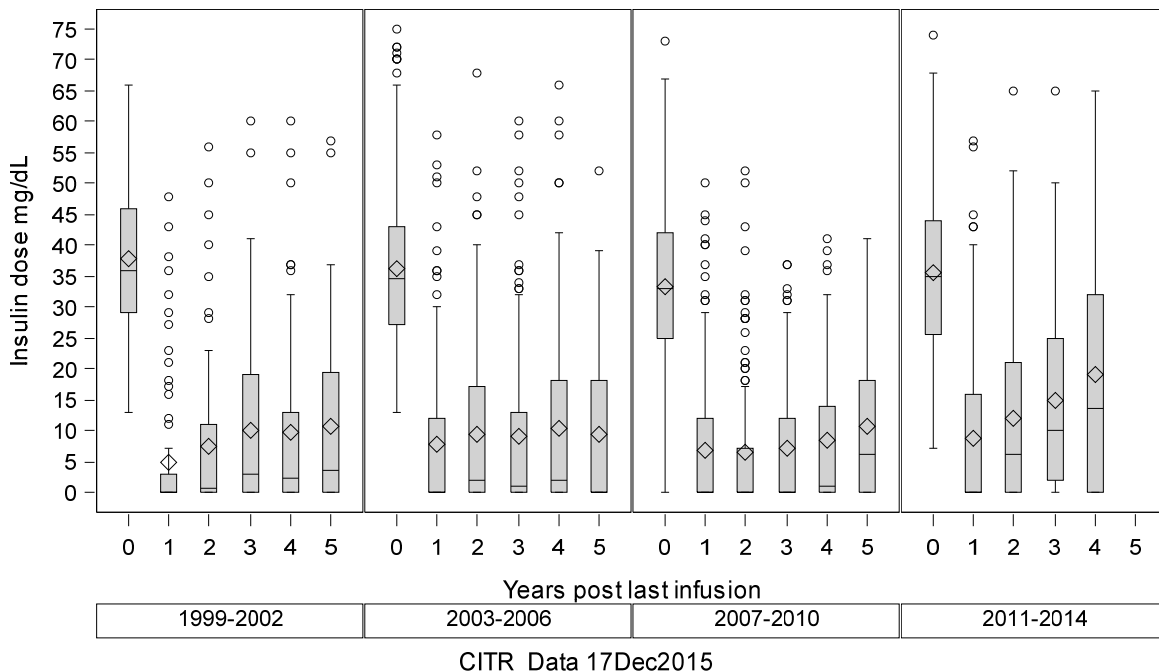


Exhibit A-9a. ITA Insulin dose post last infusion (box plots and generalized estimating equations)

Insulin dose (mg/dL) by Era



The GENMOD Procedure

Analysis Of GEE Parameter Estimates

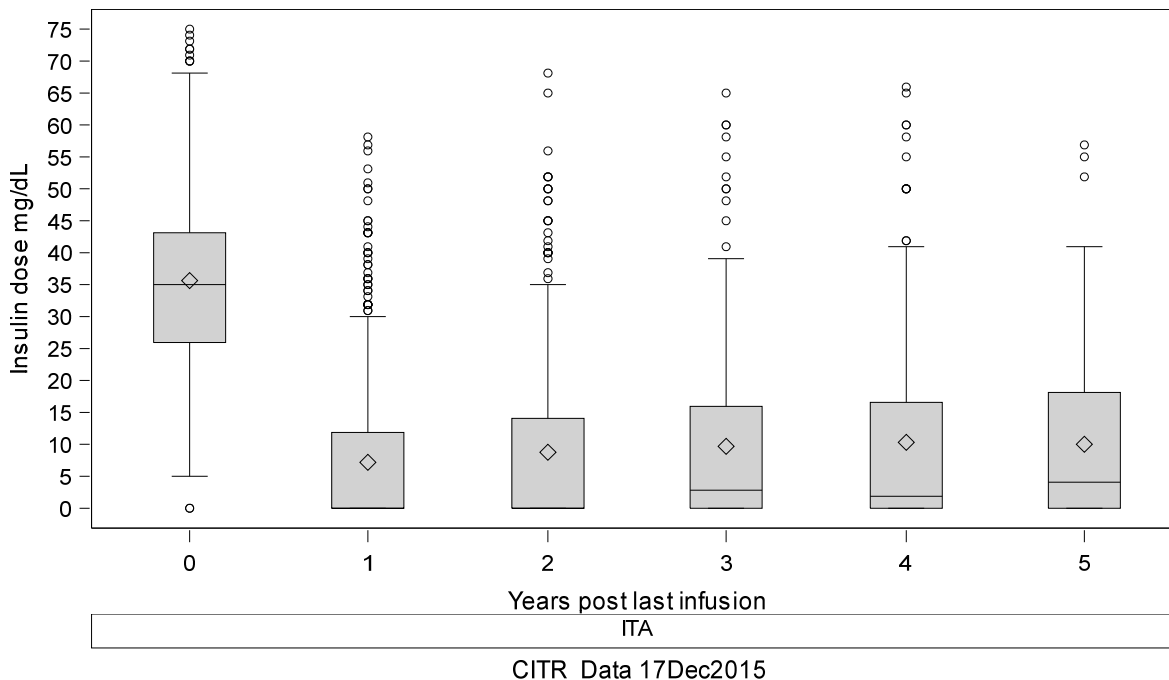
Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	3.5875	0.0409	3.5074	3.6677	87.73	<.0001
era	-0.0097	0.0156	-0.0403	0.0209	-0.62	0.5338
yrspli	-0.9223	0.0476	-1.0155	-0.8290	-19.39	<.0001

Era	1			2			3			4			5		
	cpavgins			cpavgins			cpavgins			cpavgins			cpavgins		
	N	Mea n	SE	N	Mea n	SE	N	Mea n	SE	N	Mea n	SE	N	Mea n	SE
1999-2002	89	5	1	81	8	2	71	10	2	64	10	2	56	11	2
2003-2006	169	8	1	155	9	1	128	9	1	118	10	1	97	9	1
2007-2010	142	7	1	123	6	1	97	7	1	76	8	1	62	11	2
2011-2014	119	9	1	82	13	2	47	16	3	18	19	5	.	.	.

Exhibit A-9a. ITA Insulin dose post last infusion (box plots and generalized estimating equations)

Insulin dose (mg/dL) by Transplant type



The GENMOD Procedure

Analysis Of GEE Parameter Estimates

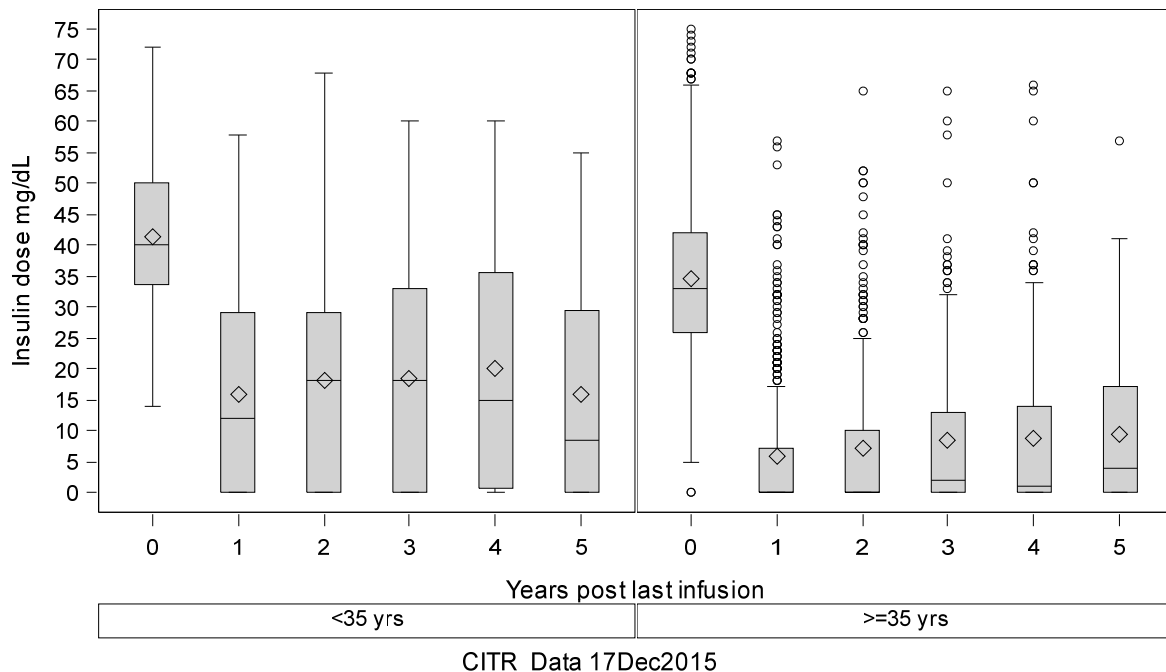
Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	3.5624	0.0154	3.5322	3.5925	231.78	<.0001
typeoftran	0.0000	0.0000	0.0000	0.0000	.	.
yrspli	-0.9203	0.0475	-1.0135	-0.8271	-19.36	<.0001

Transplant type	1			2			3			4			5		
	cpavgins			cpavgins			cpavgins			cpavgins			cpavgins		
	N	Mea n	SE	N	Mea n	SE	N	Mea n	SE	N	Mea n	SE	N	Mea n	SE
ITA	519	7	1	441	9	1	343	10	1	276	10	1	215	10	1

Exhibit A-9a. ITA Insulin dose post last infusion (box plots and generalized estimating equations)

Insulin dose (mg/dL) by Recipient age



The GENMOD Procedure

Analysis Of GEE Parameter Estimates

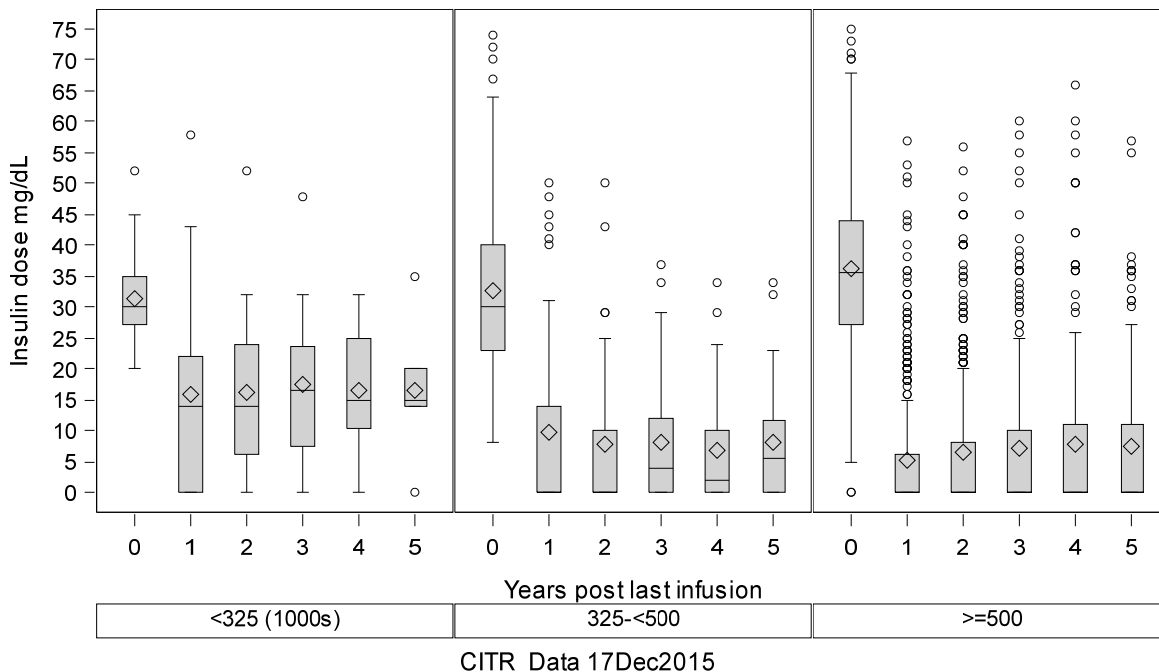
Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	4.0518	0.0681	3.9183	4.1853	59.47	<.0001
age_c	-0.2751	0.0377	-0.3491	-0.2011	-7.29	<.0001
yrspli	-0.8349	0.0457	-0.9245	-0.7453	-18.26	<.0001

Recipient age	1			2			3			4			5		
	cpavgins			cpavgins			cpavgins			cpavgins			cpavgins		
	N	Mea n	SE	N	Mea n	SE	N	Mea n	SE	N	Mea n	SE	N	Mea n	SE
<35 yrs	75	16	2	61	19	2	43	19	3	36	20	3	24	16	4
>=35 yrs	444	6	1	380	7	1	300	9	1	240	9	1	191	9	1

Exhibit A-9a. ITA Insulin dose post last infusion (box plots and generalized estimating equations)

Insulin dose (mg/dL) by Total IEQs all infusions



The GENMOD Procedure

Analysis Of GEE Parameter Estimates

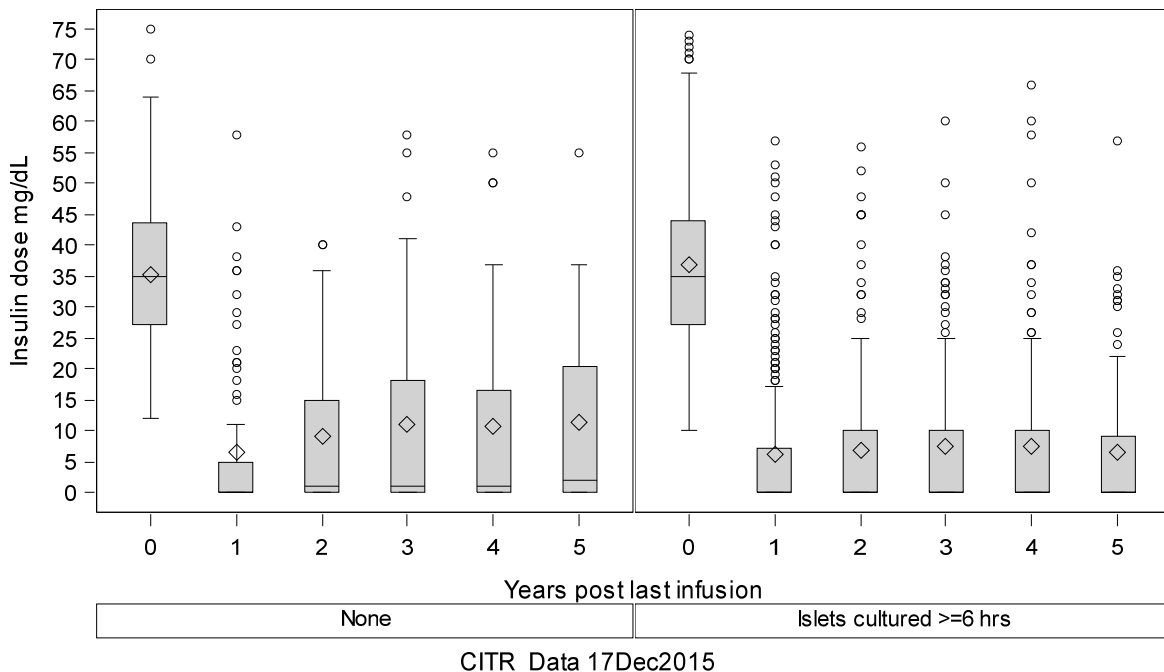
Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	3.4018	0.0838	3.2375	3.5661	40.58	<.0001
ieqinf_c	0.0646	0.0300	0.0058	0.1234	2.15	0.0314
yrspli	-1.3049	0.0631	-1.4285	-1.1813	-20.69	<.0001

	1			2			3			4			5					
	cpavgins						cpavgins						cpavgins					
	N	Mea n	SE	N	Mea n	SE	N	Mea n	SE	N	Mea n	SE	N	Mea n	SE			
Total IEQs all infusions																		
<325 (1000s)	21	16	4	15	16	4	12	17	4	8	17	4	6	17	5			
325-<500	49	10	2	39	8	2	31	8	2	24	7	2	20	8	2			
>=500	371	5	1	324	7	1	252	7	1	207	8	1	160	7	1			

Exhibit A-9a. ITA Insulin dose post last infusion (box plots and generalized estimating equations)

Insulin dose (mg/dL) by Cultured>6h



The GENMOD Procedure

Analysis Of GEE Parameter Estimates

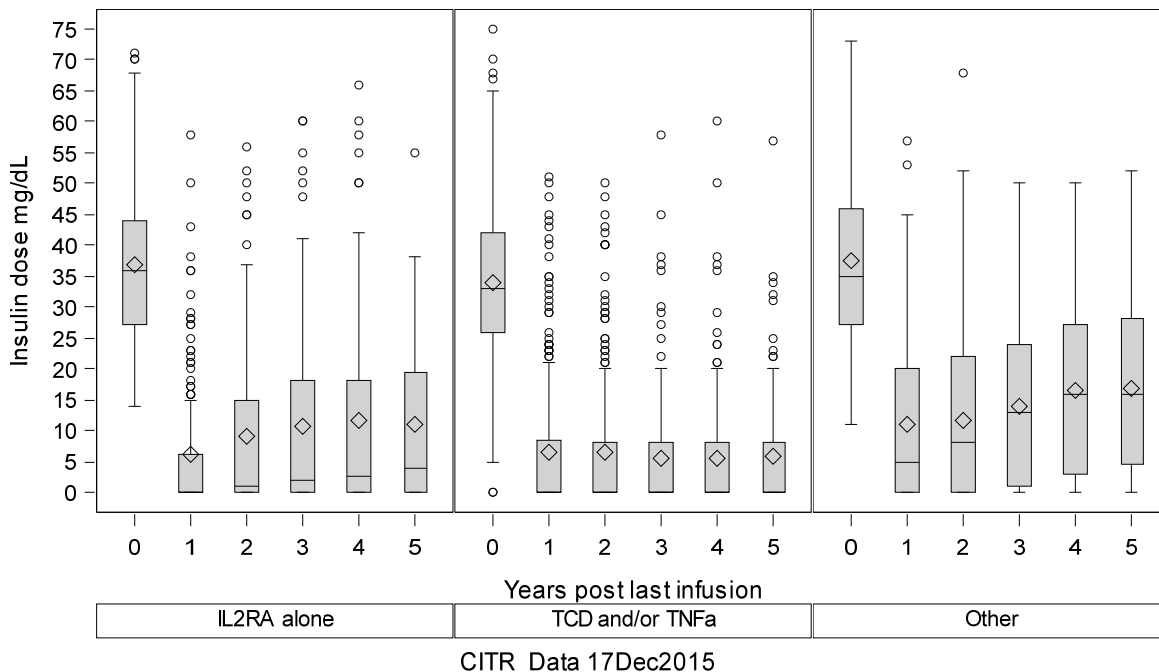
Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	3.5879	0.0388	3.5118	3.6639	92.46	<.0001
cultured_	0.0304	0.0450	-0.0579	0.1187	0.67	0.4999
yrspli	-1.3015	0.0703	-1.4393	-1.1636	-18.50	<.0001

	1			2			3			4			5		
	cpavgins			cpavgins			cpavgins			cpavgins			cpavgins		
	N	Mea n	SE	N	Mea n	SE	N	Mea n	SE	N	Mea n	SE	N	Mea n	SE
Cultured>6h															
None	73	7	1	62	10	2	49	11	2	44	11	2	36	11	3
Islets cultured >=6 hrs	258	6	1	221	7	1	177	7	1	146	7	1	115	6	1

Exhibit A-9a. ITA Insulin dose post last infusion (box plots and generalized estimating equations)

Insulin dose (mg/dL) by Induction



The GENMOD Procedure

Analysis Of GEE Parameter Estimates

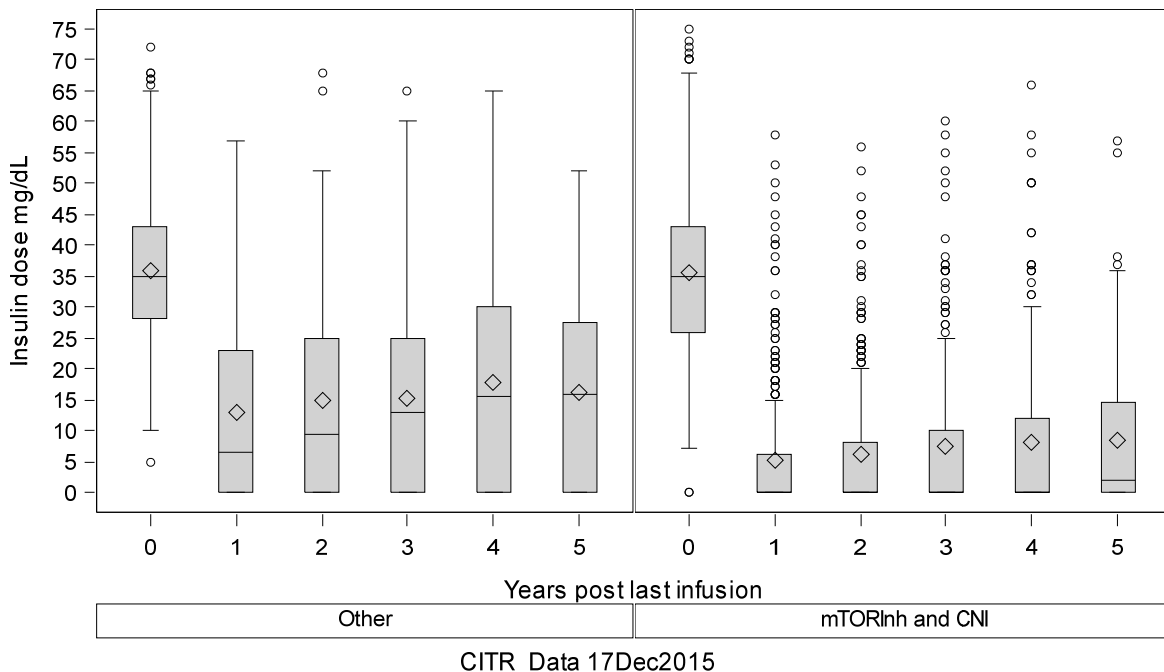
Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	3.5292	0.0277	3.4749	3.5835	127.37	<.0001
inducco	0.0302	0.0255	-0.0199	0.0802	1.18	0.2373
yrspli	-0.9201	0.0484	-1.0150	-0.8253	-19.01	<.0001

Induction	1			2			3			4			5		
	cpavgins			cpavgins			cpavgins			cpavgins			cpavgins		
	N	Mea n	SE	N	Mea n	SE	N	Mea n	SE	N	Mea n	SE	N	Mea n	SE
IL2RA alone	137	6	1	117	10	1	103	11	2	94	12	2	76	11	2
TCD and/or TNFa	236	6	1	201	7	1	147	6	1	120	6	1	93	6	1
Other	103	12	2	92	12	2	70	15	2	50	16	2	39	17	2

Exhibit A-9a. ITA Insulin dose post last infusion (box plots and generalized estimating equations)

Insulin dose (mg/dL) by Maintenance



The GENMOD Procedure

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	3.6334	0.0279	3.5787	3.6881	130.19	<.0001
<i>maint</i>	-0.1417	0.0361	-0.2124	-0.0710	-3.93	<.0001
<i>yrspli</i>	-0.8082	0.0458	-0.8979	-0.7184	-17.64	<.0001

Maintenance	1			2			3			4			5		
	<i>cpavgins</i>			<i>cpavgins</i>			<i>cpavgins</i>			<i>cpavgins</i>			<i>cpavgins</i>		
	N	Mea n	SE	N	Mea n	SE	N	Mea n	SE	N	Mea n	SE	N	Mea n	SE
Other	142	14	1	115	15	2	80	16	2	58	18	2	44	16	2
mTORInh and CNI	345	5	1	305	6	1	249	7	1	212	8	1	168	9	1