



Insulin Independence in Type-1 Diabetic Recipients

**Type-1 Diabetic Recipients of Adult Islet Allografts
Summary of Insulin-Independent Cases (n=36) through Dec 31, 1997 (1)**

Case #	Institution	Year of Tx	Previous Pancreas/ Islet Tx	Pre-Tx C-Pept. (ng/mL)	No. of Donors Fresh/Cryo	IEQ / kg	Purity (%)	Period of Insulin Independence Days Post Tx	last update
1	Zurich	1978	-	B 0.00	1 -	3,846*	5	245 - 550	
2	Paris	1988	-	S 0.03	1 -	2,143*	80	206 - 1,470	
3	St. Louis	1989	P 83	S 0.06	2 -	12,661	95	10 - 25	
4	St. Louis	1990	I 89	S 0.18	1 +2	14,735	98	33 - 341	
5	St. Louis	1993	I 89, I 90	S 0.42	2 +6	22,055	92	92 -> 948	Mar, 96
6	St. Louis	1993	-	S 0.08	3 +2	26,494	87	274 - 355	
7	Edmonton	1990	-	S 0.00	1 +4	9,692	70	70 - 821	
8	Edmonton	1992	-	S 0.00	1 +5	9,866	58	155 - 166 + 837 - 992	
9	Milan	1990	-	S 0.00	1 -	10,773	95	120 - 330	
10	Milan	1990	P 88	B 0.15	2 -	8,610	78	122 - 1,178	
11	Milan	1991	P 87	B 0.00	1 +2	16,859	80	210 - 360 + 480 - 635	
12	Milan	1992	-	B 0.00	2 -	11,567	80	150 - 1,537	
13	Milan#	1994	P 91, P 92	B 0.15	1 +2	28,995	55	41 - 65 + 92 - 133	
14	Milan#	1995	P 85	B 0.00	1 -	9,600	50	56 - 121	
15	Miami	1990	-	S 0.03	3 -	18,700	55	42 - 78	
16	Miami	1990	-	S 0.03	3 -	18,884	50	87 - 125	
17	Miami	1995	-	B 0.03	1 -	15,691	85	49 - 69	
18	Minneapolis	1992	-	S 0.00	1 -	7,882	5	326 - 1,241	
19	Minneapolis	1992	-	S 0.39	1 -	13,319	5	123 - 321	
20	Minneapolis	1995	P 92	NA	1 -	9,004	5	43 - 340	
21	Giessen	1992	-	S 0.10	1 -	6,156	92	401 - 1,150	
22	Giessen	1995	-	S 0.00	1 -	7,246	95	13 - 25	
23	Giessen	1995	-	B 0.08	1 -	12,031	90	312 - 844	
24	Giessen	1995	-	B 0.05	1 -	8,251	90	371 - 769	
25	Giessen	1995	-	B 0.00	1 -	6,376	85	382 - 650	
26	Giessen	1996	-	B 0.00	1 -	5,475	87	230 - 965	
27	Giessen	1996	-	B 0.00	1 -	7,777	90	547 - 724	
28	Giessen	1996	-	S 0.29	1 -	5,472	85	388 -> 1,188	Aug, 99
29	Giessen	1997	-	B 0.10	1 -	6,548	85	382 - 696	
30	Giessen	1997	-	S 0.05	1 -	7,896	90	249 -> 646	Mar, 98
31	Pittsburgh	1994	-	S 0.00	1 -	8,137	80	118 - 850	Aug, 99
32	Brussels	1995	-	S 0.00	6 -	4,400	70	218 -> 745	Aug, 97
33	Brussels	1996	-	S 0.00	8 -	2,600	59	194 -> 365	May, 97
34	Odense/Milan [§]	1995	-	S 0.00	2 -	9,360	80	85 - 522	
35	Geneva	1996	-	B 0.19	2 -	8,800	28	61 -> 1,139	Aug, 99
36	Los Angeles VA	1996	-	NA	1 +3	NA	NA	231 - 262	

§ Islet Transplant/ Islet Isolation Institution; * Islets / kg ; IEQ: Islet Equivalents (150 µm islets) per kg body weight of recipient; † cholangio-carcinoma; # previous transplants and follow-up in Nantes; hemochromatosis, and type 1 diabetes; I: Islet; P: Pancreas; B: Basal; S: Stimulated

**Type-1 Diabetic Recipients of Adult Islet Allografts
Summary of Insulin-Independent Cases (n=36) through Dec 31, 1997 (2)**

Case #	Institution	Year of Tx	Site of Tx	Recipient Category	# of Shared HLA-Ag		Immunosuppression		
					AB	DR	Induction	Maintenance	
1	Zurich	1978	spleen	SIK	1	0	ALG	+S+A+CPM	S+A
2	Paris	1988	epiploic flap	SIL	1	0	ALG	+S+C+A	S+C+A
3	St. Louis	1989	liver	IAK	3/1	2/1	ALG	+S(SD)+C+A	C+A
4	St. Louis	1990	liver	IAK	1/2/2	1/1/0	ALG	+S+A	S+A
5	St. Louis	1993	liver	SIK	1/0/0/0/1/0/0	1/0/1/0/1/0/1	OKT3	+S+C+A	S+C+A
6	St. Louis	1993	liver	SIK	1/1/3/1/1	1/1/1/2/1	ATG	+S+C+A	S+C+A
7	Edmonton	1990	liver	SIK	3/1/0/1/0	0/0/0/0/0	ALG	+S+C+A	S+C+A
8	Edmonton	1992	liver	SIK	3/1/0/0/1/0	1/1/1/0/0/1	ALG	+S+C+A	S+C+A
9	Milan	1990	liver	IAK	1	0	ALG	+S+C+A	S+C+A
10	Milan	1990	liver	IAK	1/2	1/0	ALG	+S+C+A	S+C+A
11	Milan	1991	liver	SIK	NA	NA	ALG	+S+C+A	S+C+A
12	Milan	1992	liver	IAK	NA	NA	ALG	+S+C+A	S+C+A
13	Milan	1994	liver	IAK	0/1/2	NA	ATG	+S+C+A	C+A
14	Milan	1995	liver	IAK	0	NA	ATG	+S+C+A	S+C+A
15	Miami	1990	liver	IAK	0/2/0	1/1/0	OKT3	+S+C+A	S+C+A
16	Miami	1990	liver	IAK	0/0/0	0/1/0	OKT3	+S+C+A	S+C+A
17	Miami	1995	liver	SIK	0	0	ATG	+S+T+MMF	S+T+MMF
18	Minneapolis	1992	liver	SIK	1	1	ALG	+S+C+A+D	S+C+A
19	Minneapolis	1992	liver	SIK	2	0	ALG	+S+C+A+D	S+C+A
20	Minneapolis	1995	liver	IFPP	2	1	None	+S+C+MMF	S+C+MMF
21	Giessen	1992	liver	IAK	2	1	ATG	+S+C	S+C
22	Giessen	1995	liver	ITA	1	0	anti-CD4	+S(SD)+C	-
23	Giessen	1995	liver	SIK	1	1	ATG	+S+C+A	S+C+A
24	Giessen	1995	liver	SIK	2	1	ATG	+S+C+A	S+C+A
25	Giessen	1995	liver	IAK	2/0	1/0	ALG	+S+C+A	S+C+A
26	Giessen	1996	liver	IAK	1	0	ALG	+S+C+A	S+C+A
27	Giessen	1996	liver	SIK	0	1	ATG	+S+C+A	S+C+A
28	Giessen	1996	liver	SIK	1	1	ATG	+S+C+MMF	S+C+MMF
29	Giessen	1997	liver	IAK	1	0	ALG	+S+C+A	S+C+A
30	Giessen	1997	liver	SIK	2	0	ATG	+S+C+A	S+C+MMF
31	Pittsburgh	1994	liver	SIK	3	2	None	S+T	S+C+A
32	Brussels	1995	liver	IAK	0/0/1/0/1/1	0/1/1/0/1/1	None	+S+C+A	C+A
33	Brussels	1996	liver	IAK	0/0/0/0/1/0/1/0	0/1/1/0/1/1/1/0	None	+S+C+A	S+C+A
34	Odense/Milan [§]	1995	liver	SIK	2/NA	1/NA	ATG	+C	C+MMF
35	Geneva	1996	liver	IAK	1/2	1/0	ATG	+S+C+A	S+C+A
36	Los Angeles VA	1996	liver	SIL	NA	NA	None	+S+T+MMF	S+C+MMF

§ Islet Transplant/ Islet Isolation Institution; SIK: Simult. Islet Kidney; SIL: Simult. Islet Liver; IAK: Islet After Kidney; IFPP: Islets From Previous Pancreas(i.e. isolated from a previously removed vascularized pancreas graft); S: Steroids; SD: Single Dose; C: Cyclosporin A; A: Azathioprine; MMF: Mycophenolate Mofetil; T: Tacrolimus; CPM: Cyclophosphamide; D: Deoxyspergualin; NA: Not Available