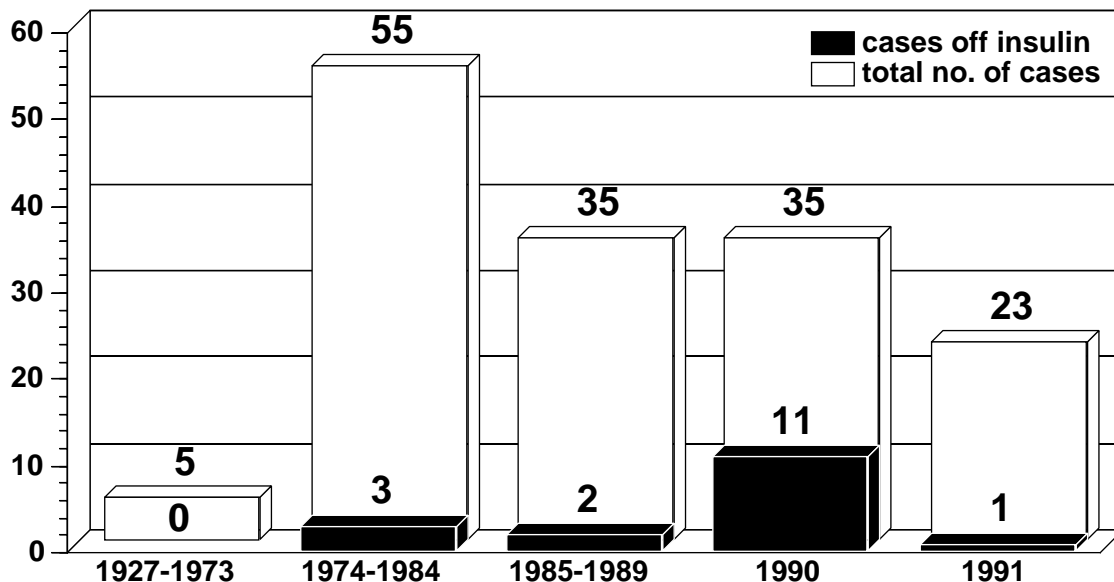


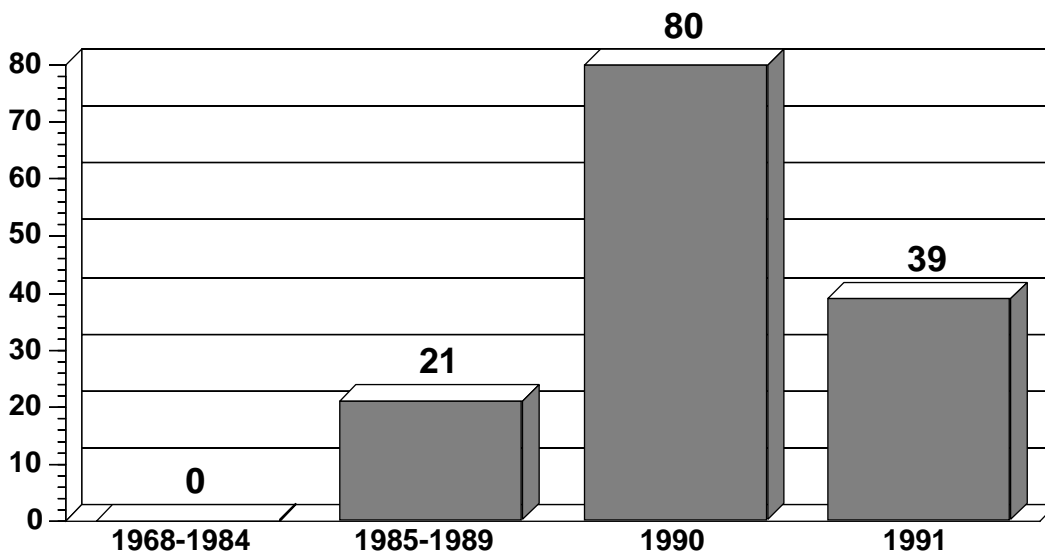
Insulin Independence* after Adult Islet Allografts through December 1991 according to Era

* > 1 week



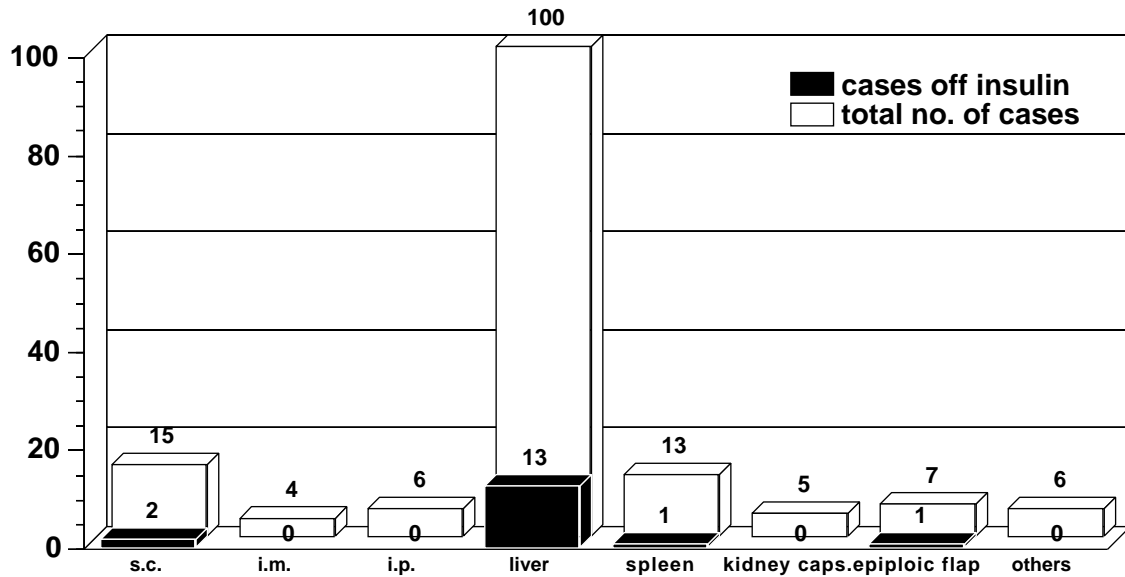
Basal C-Peptide after Adult Islet Allo-Tx according to Era

percentage of patients with basal C-Peptide levels
> 1 ng/ml \geq 1 month posttransplant



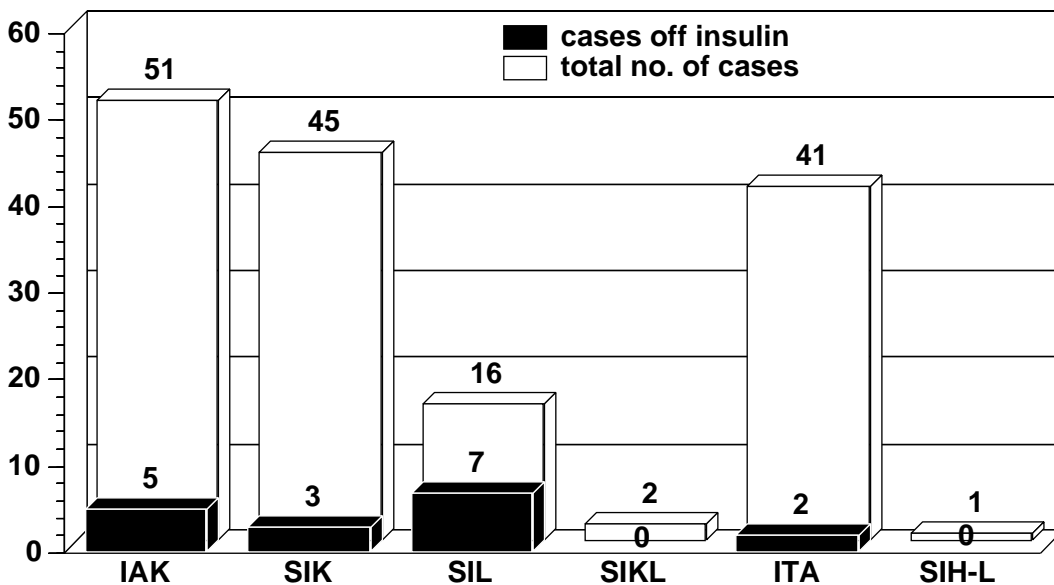
Insulin Independence* after Adult Islet Allografts and Xenografts through December 1991 according to Site of Implantation

* > 1 week



Insulin Independence* after Adult Islet Allografts and Xenografts through December 1991 according to Recipient Category

* > 1 week



ITA: Islet Transplant Alone

IAK: Islet After Kidney

SIK: Simultaneous Islet-Kidney

SIL: Simultaneous Islet-Liver

SIKL: Simultaneous Islet-Kidney-Liver

SIH-L: Simultaneous Islet-Heart-Lung

**Insulin Independence after Adult Islet Allotransplantation
according to
Site of Transplantation**

	1990 - all cases	1990 - off insulin	1991 - all cases	1991 - off insulin
liver	32	11	21	1
spleen	0	0	1	0
epiploic flap	3	0	1	0

**Insulin Independence after Adult Islet Allotransplantation
according to
Induction Immunosuppression**

	1990 - all cases	1990 - off insulin	1991 - all cases	1991 - off insulin
FK 506	17	6	5	0
ATG/ALG	13	3	11	1
OKT3	5	2	7	0

**Insulin Independence after Adult Islet
Allotransplantation according to
No. of Donors**

# of donors	1990 - all cases	1990 - off insulin	1991 - all cases	1991 - off insulin
1	17	3	12	0
2	7	4	3	0
3	7	3	4	1
≥ 4	4	1	4	0

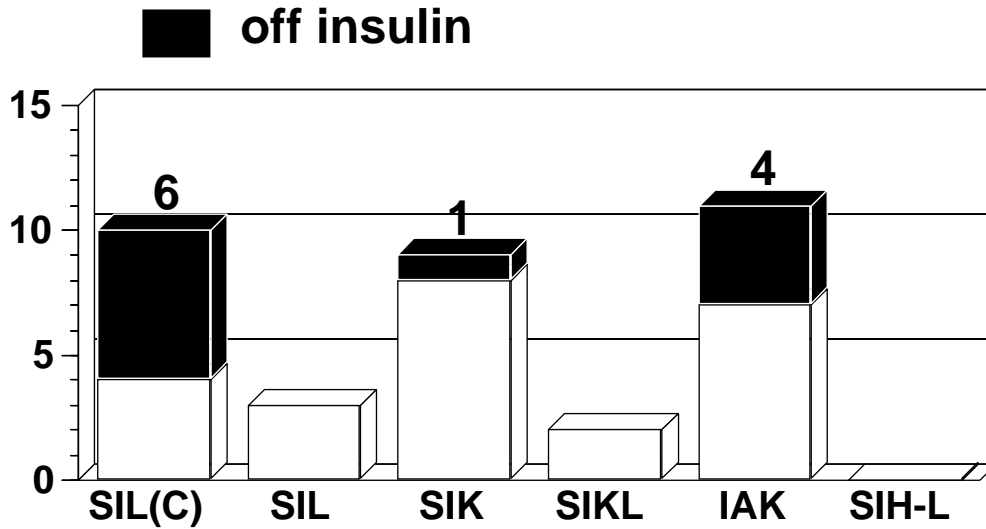
**Insulin Independence after Adult Islet Allotransplantation
according to
Preservation of Islet Tissue**

	1990 - all cases	1990 - off insulin	1991 - all cases	1991 - off insulin
fresh/cultured	30	9	16	0
fresh/cultured and cryopreserved	3	2	6	1
cryopreserved	2	0	1	0

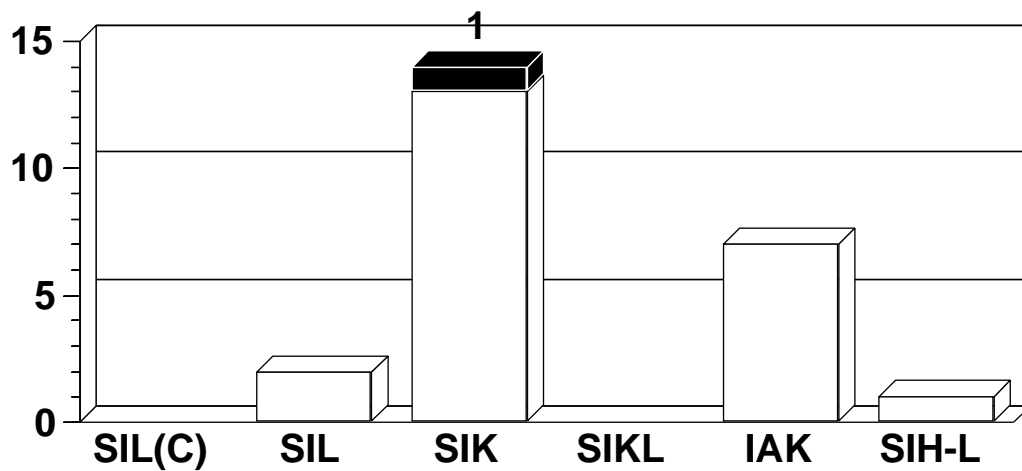
**Insulin Independence after Adult Islet Allotransplantation
according to
Purity of Islet Tissue**

Tx of	1990 - all cases	1990 - off insulin	1991 - all cases	1991 - off insulin
purified islet tissue	34	11	19	1
digest	1	0	4	0

Adult Islet Allotransplantation according to Recipient Category in 1990



Adult Islet Allotransplantation according to Recipient Category in 1991



Summary of Cases reported to be off Insulin after Adult Islet Tissue Transplantation through December 1991

Cases Without Detailed Information

Institution	Year of Tx	No. of Cases	Period of Insulin Independence	Comments
Zurich	1978	1	10th - 20th month post tx	C-peptide not determ.
Minneapolis	1977	1	2nd - 4th day post tx	insulin leakage ?
	1978	1	13th - 17th day post tx	insulin leakage ?
Genova	1979	2	3rd - 10th month post tx	C-peptide data not available
			3rd - 19th month post tx	C-peptide data not available

Insulin Independence after Simultaneous Liver and Adult Islet Transplantation Summary of Cases Through December 1991

Institution	Year of Tx	No. of Donors	No. of Islets	Site of Tx	Period of Insulin Independence	Comments
Paris	1988	1	150,000	epiploic flap	7th -> 35th month post tx [#]	hemochromatosis simult. islet, liver and kidney tx; CMV inf.
Paris	1990	1	250,000	epiploic flap	1 week*	
Pittsburgh	1990	1	470,000	liver	> 24 months [#]	cluster tx/FK 506
Pittsburgh	1990	2	578,000	liver	1st - 13th month [#]	cluster tx/FK 506
Pittsburgh	1990	2	258,000	liver	3rd - 8th and 14th ->22th [#] month ^{**}	
Pittsburgh	1990	1	285,000	liver	1st - 9th months	cluster tx/FK 506
Pittsburgh	1990	2	726,000	liver	1st - >13th months	cluster tx/FK 506
Pittsburgh	1990	2	332,000	liver	1st - 10th months	cluster tx/FK 506

* begin of insulin independency not mentioned

as of Jan 21, 1992

Insulin Independence after Adult Islet Transplantation into Type-I Diabetic Patients^{†‡} Summary of Cases through December 1991

Institution	Year		Site	Type	HLA match		DR	Induction	Period of Insulin Independence	Glucose Control†	
	Fresh	Cryo			ENI* 1000	AB					DR
St. Louis	1989	1/4	-	785	p.v.	IAK*	1/3	2/1	ALG (+M-Pred)	10th -25th day post tx	IV Insulin
	1990	1	+2	550 + 555	p.v.	IAK*	1/2/2	1/1/0	ALG (+M-Pred)	33th -341th day post tx	IV Insulin
Edmonton	1990	1	+4	243 + 368	p.v.	SIK*	4 (fresh) 4 (cryo)	0 (fresh) 0 (cryo)	ALG (+Pred, AZA; CsA at day 10)	69th ->575th‡ day post tx	IV Insulin
Milano	1990	1	-	586	p.v.	IAK*	0	0	ALG (+M-Pred, CsA, AZA)	110th -300th day post tx	IV Insulin
Miami	1990	3	-	1122	p.v.	IAK*	?	?	OKT3 (+M-Pred, CsA, AZA)	42th -78th day post tx	IV Insulin
	1990	3	-	1209	p.v.	IAK*	?	?	OKT3 (+M-Pred, CsA, AZA)	87th -125th day post tx	IV Insulin

* ENI: equivalent no. of islets (number of islets if all were 150 micrometers in diameter)

IAK: islet after kidney (islet transplantation in patients with established kidney grafts)

SIK: simultaneous islet and kidney transplantation

† as of Jan 20, 1992

‡ in the early posttransplant period