

1. Ricordi C, Socci C, Davalli AM, Staudacher C, Vertova A, Baro P, Freschi M, Gavazzi F, Bertuzzi F, Pozza G, Di Carlo V. Swines islet isolation and transplantation. *Horm Metab Res* 25(Suppl.):26-30, 1990.
2. Ricordi C, Socci C, Davalli AM, Staudacher C, Baro P, Vertova A, Sassi I, Gavazzi F, Bertuzzi F, Pozza G, Di Carlo V. Effect of pancreas retrieval p-rocedures on islet isolation in swines. *Transplant Proc* 22:442-443, 1990.
3. Socci C, Falqui L, Davalli AM, Ricordi C, Braghi S, Bertuzzi F, Maffi P, Secchi A, Gavazzi F, Freschi M, Magistretti P, Socci C, Vignali A, Di Carlo V, Pozza G. Fresh human islet transplantation to replace pancreatic endocrine function in type I diabetic patients (a report of six cases). *Acta Diabetol* 28:151-157, 1991.
4. Socci C, Falqui L, Davalli AM, Ricordi C, Bertuzzi F, Braghi S, Maffi P, Secchi A, Gavazzi F, Freschi M, Magistretti P, Di Carlo V, Pozza G. Allotranplantation of fresh islets in four type I diabetic patients. *Transplant Proc* 24:965-966,1992.
5. Socci C, Davalli AM, Vignali A, Bertuzzi F, Maffi P, Zammarchi O, Di Carlo V, Pozza G. Evidence of in vivo human islet function despite a weak response to in vitro perfusion. *Transplant Proc* 24:3056-3057, 1992.
6. Davalli AM, Bertuzzi F, Socci C, Scaglia L, Gavazzi F, Berra C, Ferrari P, Di Carlo V, Pontiroli AE, Pozza G. In vitro function of adult pig islets: effect of culture in different media. *Transplant Proc* 24:2794-2795, 1992.
7. Socci C, Vignali A, Davalli AM, Maffi P, Magistretti P, Bertuzzi F, Zammarchi O, Piemonti L, Di Carlo V, Pozza G. Timing of collagenase injection influences the final islet yield in donors aged under 30 years. *Transplant Proc* 24:2835-2836, 1992.
8. Socci C, Davalli AM, Maffi P, Falqui L, Secchi A, Bertuzzi F, Vignali A, Magistretti P, Zammarchi O, Scaglia L, Gavazzi F, Piemonti L, De Nittis P, Ferrari P, Di Carlo V, Pozza G. Allotransplantation of fresh and cryopreserved islets in patients with type I diabetes: two year experience. *Transplant Proc* 25:989-991, 1993.
9. Davalli AM, Bertuzzi F, Socci C, Scaglia L, Gavazzi F, M. Freschi, Di Carlo V, Pontiroli AE, Pozza G. Paradoxical release of insulin by adult pig islet in-vitro: recovery after culture in a defined tissue culture medium. *Transplantation* 56:148-154, 1993.
10. Bertuzzi F, Socci C, Berra C, Davalli AM, Magistretti P, Di Carlo V, Pozza G, Pontiroli AE. Effects of glucagon and octreotide on pig islets insulin release in response to glucose: in - vitro study. *Transplant Proc* 26:623, 1994.

- 11.** Socci C, Mazzaferro V, Regalia E, Bertuzzi F, Andreola S, Maffi P, Colella G, Mirenda V, Damascelli B, Magistretti P, Doci R, Bozzetti F, Di Carlo V, Gennari L, Pozza G. Insulin independence after islet - liver transplantation for metastatic neuroendocrine pancreatic tumor. *Transplant Proc* 26:577- 578, 1994.
- 12.** Mazzaferro V, Socci C, Regalia E, Andreola S, Di Bartolomeo M, Bertuzzi F, Di Carlo V, Pozza G, Doci R, Bozzetti F, Gennari L. Combined liver and pancreatic islets transplantation in man using cyclosporine immunosuppression. *Transpl Int* 7:409-411, 1994.
- 13.** Scopsi L, Andreola S, Socci C, Bertuzzi F, Di Carlo V, Pozza G, Rilke F, Gennari L, Colella G, Regalia E and Mazzaferro V. Immunocytochemical detection and characterization of intrahepatic human pancreatic islets after combined liver-islet allotransplantation. *Cell Transplantation* 3:499-508,1994.
- 14.** Luzi L, Battezzati A, Perseghin G, Bianchi E, Terruzzi I, Spotti D, Vergani S, Secchi A, La Rocca E, Ferrari G, Staudacher C, Castoldi R, Di Carlo V, Pozza G. Combined pancreas and kidney transplantation normalizes protein metabolism in insulin-dependent diabetic-uremic patients. *J Clin Invest*; 93: 1948-1958, 1994.
- 15.** Luzi L, Socci C, Falqui L, Secchi A, Perseghin G, Maffi P, Bianchi E, Di Carlo V. Successful intraportal islet transplantation reverts not steroid related insulin resistance in humans. *Transplantation Proceedings* 26: 572, 1994.
- 16.** Battezzati A, Luzi L, Perseghin G, Bianchi E, Spotti D, Secchi A, Vergani S, Di Carlo V, Pozza G. Persistence of counter-regulatory abnormalities in insulin-dependent diabetes mellitus after pancreas transplantation. *Eur J Clin Invest*; 24: 751-758, 1994.
- 17.** Bertuzzi F, Berra C, Socci C, Davalli AM, Calori G, Freschi M, Piemonti L, De Nittis P, Pozza G and Pontiroli AE. Glucagon improves insulin secretion from pig islets in vitro. *J Endocr* 147:87-93, 1995.
- 18.** Socci C, Bertuzzi F, de Nittis P, Piemonti L, Taglietti MV, Berra C, Birkeland P, Freschi M, Di Carlo V, Pozza G. Isolation and function of adult pig islets. *Xenotransplantation* 2:218-221, 1995.
- 19.** Bertuzzi F, Socci C, de Nittis P, Berra C, Garancini P, Magistretti P, Di Carlo V, Pontiroli AE and Pozza G. Retrospective analysis of in vitro function of isolated human islets from 56 pancreata. *Transplant Proc* 27:3243-3244, 1995.
- 20.** Birkeland S.A, Beck-Nielsen H, Rohr N, Socci C, Christensen J, Dieperink H, Jorgensen K.A, Knudsen D.U, Larsen K.E, Sjolie A.K, Tofte H, Yderstraede K, Bertuzzi F, Birkeland P, Secchi A, Di Carlo V and Pozza G. Islet and kidney transplantation using ATG and

- Cyclosporin monotherapy and a central facility for islet isolation and purification. *Transplant Proc* 27:3150-3157, 1995.
21. Bertuzzi F, Zacchetti D, Berra C, Socci C, Pozza G, Pontiroli AE and Grohovaz F. Intercellular Ca²⁺ waves and insulin secretion in cultured pig islets of Langerhans. *FEBS letters* 379:22-25,1996.
 22. Secchi A, Socci C, Maffi P, L Falqui, F Bertuzzi, P De Nittis, L Piemonti, MV Taglietti, V Di Carlo and G Pozza. Islet allotransplantation in type I diabetic patients: effects of islets number on clinical outcome. *Transplant Proc* 28:2841-2845, 1996.
 23. Luzi L, Groop LC, Perseghin G, Taskinen MR, Hilden H, Bianchi E, Terruzzi I, Dodesini AR, Di Carlo V, Pozza G. Effect of pancreas transplantation on free fatty acids metabolism in uremic IDDM patients. *Diabetes*; 45: 354-360, 1996.
 24. Luzi L, Hering BJ, Socci C, Raptis G, Battezzati A, Terruzzi I, Falqui L, Brandhorst H, Brandhorst D, Regalia E, Brambilla E, Secchi A, Perseghin G, Maffi P, Bianchi E, Mazzaferro V, Gennari L, Di Carlo V, Federlin K, Pozza G, Bretzel RG. Metabolic effects of successful intraportal islet transplantation in IDDM. *J Clin Invest*; 97: 2611-2618, 1996.
 25. Luzi L, Perseghin G, Regalia E, Lucia Piceni Sereni, Battezzati A, Baratti D, Bianchi E, Terruzzi I, Hilden A, Groop LC, Pulvirenti A, Taskinen M-R, Gennari L, Mazzaferro V. Metabolic effects of liver transplantation in cirrhotic patients. *J Clin Invest*; 99: 692-700, 1997.
 26. Perseghin G, Regalia E, Battezzati A, Vergani S, Pulvirenti A, Terruzzi I, Baratti D, Bozzetti F, Mazzaferro V, Luzi L. Regulation of glucose homeostasis in humans with a denervated liver. *J Clin Invest*; 100: 931-941, 1997.
 27. Secchi A, Socci C, Maffi P, MV Taglietti, L Falqui, F Bertuzzi, P De Nittis, L Piemonti, Scopsi L, V Di Carlo and G Pozza. Islet transplantation in IDDM patients. *Diabetologia* 40:225-231, 1997.
 28. Perseghin G, Baratti D, Benedini S, Regalia E, Mazzaferro V, Luzi L. Effect of liver transplantation in cirrhotic diabetic patients. *Transplantation Proceedings*; 30: 1868, 1998.
 29. Davalli AM, Bertuzzi F, Meoni C, Scaglia L, Socci C, Pozza G and Pontiroli AE. Insulin and intracellular calcium responsiveness to glucagon-like peptide-1 and pituitary adenylate cyclase-activating peptide by dispersed adult porcine islet cells. *Transplantation* 67:174-176, 1999.
 30. Piemonti L, Bertuzzi F, Freschi M, Nano R, Leone BE, Socci C, Pozza G, Di Carlo V. Effects of cryopreservation on in vitro and in vivo long-term function of human islets. *Transplantation* 68:655-662, 1999.

31. Bertuzzi F, Garancini P, Socci C, Nano R, Taglietti MV, Santopinto M, Di Carlo V, Davalli AM. Lessons from in-vitro perfusion of pancreatic islets isolated from 80 human pancreas. *Cell Transplantation* 8:709-712, 1999.
32. Bertuzzi F, Secchi A, Aldrighetti L, Nano R, Pozza G, Di Carlo V. Islet transplantation in diabetic patients. *Pediatr Endocr Met* 12:771-775, 1999.
33. Davalli AM, Maffi P, Socci C, Sanvito F, Freschi M, Bertuzzi F, Falqui L, Di Carlo V, Pozza G, Secchi A. Insights from a successful case of intrahepatic islet transplantation into a type 1 diabetic patient. *J Clin Endocr Metab* 85:3847-3852, 2000.
34. Meoni C, Bertuzzi F, Pontiroli AE, Falqui L, Monaco L, Soria M, Arcelloni C, Paroni R, Foglieni C, Polastri L, Galbiati F, Folli F, Davalli AM. Development and characterization of pituitary GH3 cell clones stably transfected with a human proinsulin cDNA. *Cell Transplant* 9:829-840, 2000.
35. Davalli AM, Galbiati F, Bertuzzi F, Polastri L, Pontiroli AE, Perego L, Freschi M, Pozza G, Folli F, Meoni C. Insulin-secreting pituitary GH3 cells: a potential β -cell surrogate for diabetes cell therapy. *Cell Transplant* 9:841-851, 2000.
36. Battezzati A, Zerbi A, Perseghin G, Caumo A, Terruzzi I, Di Carlo V, Luzi L. Effect of emipancreectomy and of pancreatic diversion on the tolerance to a glucose load in humans. *Eur J Clin Invest*; 30: 397-410, 2000.
37. Luzi L, Perseghin G, Brendel MD, Hering BJ, Terruzzi I, Battezzati A, Eckhard M, Brandhorst H, Brandhorst D, Socci C, Di Carlo V, Piceni Sereni L, Benedini S, Secchi A, Pozza G, Bretzel RG. Metabolic effects of restoration of partial β -cell function following islet allotransplantation in patients with type 1 diabetes mellitus. *Diabetes* 50: 277-282, 2001.
38. Fiorina P, La Rocca E, Venturini M, Minicucci F, Fermo I, Paroni R, D'Angelo A, Sblendido M, Di Carlo V, Cristallo M, Del Maschio A, Pozza G, Secchi A. Effects of kidney-pancreas transplantation on atherosclerotic risk factors and endothelial function in patients with uremia and type 1 diabetes. *Diabetes. Mar*;50(3):496-501, 2001.
39. Bosi E, Braghi S, Maffi P, Scirpoli M, Bertuzzi F, Pozza G, Secchi A, Bonifacio E. Autoantibody response to islet transplantation in type 1 diabetes. *Diabetes* 50:2464-2471, 2001.
40. Konrad T., Golling M., Vicini P., Toffolo G., Wittman M., Mahon A., Klar E., Cobelli C., Usadel K.: Insulin sensitivity and Beta-cell secretion after liver transplantation in patients with acute liver failure. *Transplant. Proc.* 33: 2576-2579, 2001.
41. Konrad T., Markus B., Allers C., Vicini P., Toffolo G., Lakos C., Viehmann K., Hanisch E.,

- Encke A., Cobelli C., Usadel K.H.: Impact of cyclosporine and low-dose steroid therapy on insulin sensitivity and Beta-cell function in patients with long-term liver grafts. *Transpl. Int.* 14: 6-11, 2001.
42. Piemonti L, Leone BE, Nano R, Saccani A, Monti P, Maffi P, Bianchi G, Sica A, Peri G, Melzi R, Aldrighetti L, Secchi A, Di Carlo V, Allavena P and Bertuzzi F. Human pancreatic islets produce and secrete MCP-1: relevance in human islet transplantation. *Diabetes* 51:55-65, 2002.
 43. Bertuzzi F, Grohovaz F, Maffi P, Caumo A, Aldrighetti L, Nano R, , Hengster P, Calori G, Di Carlo V, Bonifacio E and Secchi A. Successful transplantation of human islets in recipients bearing a kidney graft *Diabetologia* 45:77-84, 2002.
 44. Birkeland SV, Beck-Nielsen, Rohr N, Bertuzzi F, Secchi A. Steroid-free immunosuppression in kidney-islet transplantation: a long term follow up. *Transplantation* 73:1527, 2002.
 45. Galbiati F, Polastri L, Gregori S, Freschi M, Casorati M, Cavallaro U, Fiorina P, Bertuzzi F, Zerbi A, Pozza G, Adorini L, Folli F, Christofori G, AM Davalli. Antitumorigenic and antiinsulinogenic effects of calcitriol on insulinoma cells and solid β -cell tumors. *Endocrinology* 143:4018-4030, 2002.
 46. Polastri L, Galbiati F, Bertuzzi F, Fiorina P, Nano R, Gregori S, Aldrighetti L, Pozza G, Secchi A, Adorini L, AM Davalli. Secretory defects induced by immunosuppressive agents on human pancreatic β -cells. *Acta Diabet* 39:229-233, 2002.
 47. Benedini S, Fiocchi R, Battezzati A, Scifo P, Piceni Sereni L, Gamba A, Mammana C, Del Maschio A, Perseghin G, Luzi L. Energy metabolism in diabetic and nondiabetic heart transplant recipients. *Diabetes Care*; 25: 530-536, 2002.
 48. Perseghin G, Mazzaferro V, Benedini S, Pulvirenti A, Coppa J, Regalia E, Luzi L. Resting energy expenditure in diabetic and non-diabetic patients with liver cirrhosis: relationship with insulin sensitivity, and effect of liver transplantation and of immunosuppressive therapy. *Am J Clin Nutr*; 76: 541-548, 2002.
 49. Perseghin G, Caumo A, Piceni Sereni L, Battezzati A, Luzi L. Fasting blood sample-based prediction of insulin sensitivity in kidney-pancreas transplanted patients. *Diabetes Care*; 25: 2207-2211, 2002.
 50. Fiorina P, Folli F, Zerbini G, Maffi P, Gremizzi C, Di Carlo V, Socci C, Bertuzzi F, Kashgarian M, Secchi A. Islet transplantation is associated with improvement of renal function among uremic patients with type I diabetes mellitus and kidney transplants. *J Am Soc Nephrol.* 14(8):2150-8, 2003.

51. Fiorina P, Folli F, Bertuzzi F, Maffi P, Finzi G, Venturini M, Socci C, Davalli A, Orsenigo E, Monti L, Falqui L, Uccella S, La Rosa S, Usellini L, Properzi G, Di Carlo V, Secchi A. Long term beneficial effect of islet transplantation on diabetic macro/micro-angiopathy in type I diabetic kidney-transplanted patients. *Diabetes Care* 26:1129-1136, 2003.
52. Fiorina P, Folli F, Maffi P, Placidi C, Venturini M, Finzi G, Bertuzzi F, Davalli A, D'Angelo A, Socci C, Gremizzi C, Orsenigo E, La Rosa S, Ponzoni M, Cardillo M, Scalamogna M, Del Maschio A, Capella C, Di Carlo V, Secchi A. Islet transplantation improves vascular diabetic complications in patients with diabetes who underwent kidney transplantation: a comparison between kidney-pancreas and kidney-alone transplantation. *Transplantation* 75:1296-1301, 2003.
53. Perseghin G, Caumo A, Mazzaferro V, Pulvirenti A, Piceni Sereni L, Romito R, Lattuada G, Coppa J, Costantino F, Regalia E, Luzi L. Assessment of insulin sensitivity based on a fasting blood sample in men with liver cirrhosis before and after liver transplantation. *Transplantation* 76: 697-702, 2003.
54. Bertuzzi F, Maffi P, Nano R, Aldrighetti L, Clissi B, Melzi R, Antonioli B, Marzorati S, Davalli AM, Secchi A, Di Carlo V. Islet allotransplantation in type 1 diabetic patients. *Minerva Endocrinol* 28:103-109, 2003.
55. Migliavacca B, Nano R, Antonioli B, Marzorati S, Davalli AM, Di Carlo V, Bertuzzi F. Identification of in vitro parameters predictive of graft function: a study in an animal model of islet transplantation. *Transplant Proc* 36:612-613, 2004.
56. Marzorati S, Melzi R, Nano R, Antonioli B, Di Carlo V, Piemonti L, Bertuzzi F. In vitro modulation of monocyte chemoattractant protein-1 release in human pancreatic islets. *Transplant Proc* 36:607-608, 2004.
57. Bertuzzi F, Secchi A, Di Carlo V. Islet transplantation in type 1 diabetic patients. *Transplant Proc* 36:603-604, 2004.
58. De Cobelli F, Fiorina P, Perseghin G, Magnone M, Venturini M, Zerbini G, Zanella A, Mazzolari G, Di Carlo V, Secchi A, Del Maschio A. L-arginine-induced vasodilation of the renal vasculature is preserved in uremic type 1 diabetic patients after kidney-pancreas but not after kidney-alone transplantation. *Diabetes Care* 27: 947-954, 2004.
59. Melzi R, Piemonti L, Nano R, Clissi B, Calori G, Antonioli B, Marzorati S, Perseghin G, Di Carlo V, Bertuzzi F. Donor and isolations variables associated with human islet CCL2/MCP-1 release. *Transplantation*; 78: 1564-1567, 2004.
60. Bertuzzi F, Marzorati S, Maffi P, Piemonti L, Melzi R, de Taddeo F, Valtolina V, D'Angelo A, di Carlo V, Bonifacio E, Secchi A. Tissue factor and CCL2/monocyte chemoattractant

protein-1 released by human islets affect islet engraftment in type 1 diabetic recipients. *J Clin Endocrinol Metab* 89:5724-5728, 2004.

61. Venturini M, Angeli E, Maffi P, Fiorina P, Bertuzzi F, Salvioni M, De Cobelli F, Socci C, Aldrighetti L, Losio C, Di Carlo V, Secchi A, Del Maschio A. Technique, complications, and therapeutic efficacy of percutaneous transplantation of human pancreatic islet cells in type 1 diabetes: the role of US. *Radiology* 234:617-624, 2005.
62. Sordi V, Malosio ML, Marchesi F, Mercalli A, Melzi R, Giordano T, Belmonte N, Ferrari G, Leone BE, Bertuzzi F, Zerbini G, Allavena P, Bonifacio E, Piemonti L. Bone marrow mesenchymal stem cells express a restricted set of functionally active chemokine receptors capable of promoting migration to pancreatic islets. *Blood* 106:419-427, 2005.
63. Nano R, Clissi B, Melzi R, Calori G, Maffi P, Antonioli B, Marzorati S, Aldrighetti L, Freschi M, Grochowicki T, Socci C, Secchi A, Di Carlo V, Bonifacio E, Bertuzzi F. Islet isolation for allotransplantation: variables associated with successful islet yield and graft function. *Diabetologia* 48:906-912, 2005.
64. Perseghin G, Fiorina P, De Cobelli F, Scifo P, Esposito A, Danna M, Canu T, Gremizzi C, Secchi A, Luzi L, Del Maschio A. Cross-sectional assessment of the effect of kidney and kidney-pancreas transplantation on resting left ventricular energy metabolism in type 1 diabetic-uremic patients: a ³¹P-MRS study. *J Am Coll Cardiol*; 46: 1085-1092, 2005.
65. Ricordi C, Inverardi L, Kenyon NS, Goss J, Bertuzzi F, Alejandro R. Requirements for success in clinical islet transplantation. *Transplantation* 79:1298-300, 2005.
66. Maffi P, Angeli E, Bertuzzi F, Paties C, Socci C, Fedeli C, De Taddeo F, Nano R, Di Carlo V, Del Maschio A, Secchi A. Minimal focal steatosis of liver after islet transplantation in humans: a long-term study. *Cell Transplant* 14:727-33, 2005.
67. Mercalli A, Sordi V, Ponzoni M, Maffi P, De Taddeo F, Gatti G, Servida P, Bernardi M, Bellio L, Bertuzzi F, Secchi A, Bonifacio E, Piemonti L. Rapamycin induces a caspase-independent cell death in human monocytes. *Am J Transplant* 6:1331-41, 2006.
68. Bertuzzi F, Marzorati S, Secchi A. Islet cell transplantation. *Curr Mol Med* 6:369-374, 2006.
69. Marzorati S, Antonioli B, Nano R, Maffi P, Piemonti L, Giliola C, Secchi A, Lakey JR, Bertuzzi F. Culture medium modulates proinflammatory conditions of human pancreatic islets before transplantation. *Am J Transplant* 6:2791-2795, 2006.
70. Shapiro AM, Ricordi C, Hering BJ, Auchincloss H, Lindblad R, Robertson RP, Secchi A, Brendel MD, Berney T, Brennan DC, Cagliero E, Alejandro R, Ryan EA, DiMercurio B, Morel P, Polonsky KS, Reems JA, Bretzel RG, Bertuzzi F, Froud T, Kandaswamy R, Sutherland DE, Eisenbarth G, Segal M, Preiksaitis J, Korbitt GS, Barton FB, Viviano L,

- Seyfert-Margolis V, Bluestone J, Lakey JR. International trial of the Edmonton protocol for islet transplantation. *N Engl J Med* 355:1318-1330, 2006.
71. Stadler M, Anderwald C, Karer T, Tura A, Kästenbauer T, Auinger M, Bieglmayer C, Wagner O, Kronenberg F, Nowotny P, Pacini G, Prager R. Increased plasma amylin in type 1 diabetic patients after kidney and pancreas transplantation: A sign of impaired beta-cell function? *Diabetes Care*. 29(5):1031-8, 2006.
 72. Fiorina P, Perseghin G, De Cobelli F, Gremizzi C, Monti L, Maffi P, Luzi L, Secchi A, Del Maschio A. Altered kidney graft high energy phosphates (HEPs) metabolism in kidney transplanted end stage renal disease, type 1 diabetic patients. A cross-sectional analysis of the effect of kidney-alone and kidney-pancreas transplantation. *Diabetes Care*; 30: 597-603, 2007.
 73. Benedini S, Fiocchi R, Battezzati A, Sereni Piceni L, Gamba A, Mammana C, Bevilacqua M, Perseghin G, Luzi L. Atrial natriuretic peptide in diabetic and nondiabetic patients with and without heart transplantation. *Transplant Proc*; 39: 1580-1585, 2007.
 74. Del Carro U, Fiorina P, Amadio S, De Toni Franceschini L, Petrelli A, Menini S, Boneschi FM, Ferrari S, Pugliese G, Maffi P, Comi G, Secchi A. Evaluation of polyneuropathy markers in type 1 diabetic kidney-transplant patients and effects of islet transplantation: neurophysiological and skin biopsy longitudinal analysis. *Diabetes Care.*; 30:3063-9, 2007.
 75. Fiorina P, Jurewicz M, Tanaka K, Behazin N, Augello A, Vergani A, von Andrian UH, Von Adrian U, Smith NR, Sayegh MH, Abdi R. Characterization of donor dendritic cells and enhancement of dendritic cell efflux with CC-chemokine ligand 21: a novel strategy to prolong islet allograft survival. *Diabetes*. 56(4):912-20,2007.
 76. Maffi P, Bertuzzi F, De Taddeo F, Magistretti P, Nano R, Fiorina P, Caumo A, Pozzi P, Socci C, Venturini M, Del Maschio A, Secchi A. Kidney Function after Islet Transplant Alone in Type 1 Diabetes: Impact of Immunosuppressive Therapy on Progression of Diabetic Nephropathy. *Diabetes Care* 30:1150-1155, 2007.
 77. Bertuzzi F, Ricordi C. Prediction of clinical outcome in islet allotransplantation. *Diabetes Care* 30:410-417, 2007.
 78. Bertuzzi F, Verzaro R, Provenzano V, Ricordi C. Brittle type 1 diabetes mellitus. *Curr Med Chem* 14:1739-44, 2007.
 79. Bertuzzi F, Ricordi C. Beta-cell replacement in immunosuppressed recipients: old and new clinical indications. *Acta Diabetol* 44:171-6, 2007.
 80. Antonioli B, Fermo I, Cainarca S, Marzorati S, Nano R, Baldissera M, Bachi A, Paroni R, Ricordi C, Bertuzzi F. Characterization of collagenase blend enzymes for human islet

- transplantation. *Transplantation* 84:1568-75, 2007.
- 81.** Caumo A, Maffi P, Nano R, Bertuzzi F, Luzi L, Secchi A, Bonifacio E, Piemonti L. Transplant estimated function (TEF): a simple index to evaluate beta-cell secretion after islet transplantation. *Diabetes Care* 31:301-5, 2008.
 - 82.** Rossi L, Migliavacca B, Pierigé F, Serafini S, Sanvito F, Olivieri S, Nano R, Antonioli B, Magnani M, Bertuzzi F. Prolonged islet allograft survival in diabetic mice upon macrophage depletion by clodronate-loaded erythrocytes. *Transplantation* 85:648-50, 2008.
 - 83.** Monti P, Scirpoli M, Maffi P, Ghidoli N, De Taddeo F, Bertuzzi F, Piemonti L, Falcone M, Secchi A, Bonifacio E. Islet transplantation in patients with autoimmune diabetes induces homeostatic cytokines that expand autoreactive memory T cells. *J Clin Invest.* 118(5): 1806-14, 2008.
 - 84.** Sordi V, Bertuzzi F, Piemonti L. Diabetes mellitus: an opportunity for therapy with stem cells? *Regen Med.* 3:377-97. 2008.
 - 85.** Davalli AM, Perego L, Bertuzzi F, Finzi G, La Rosa S, Blau A, Placidi C, Nano R, Gregorini L, Perego C, Capella C, Folli F. Disproportionate hyperproinsulinemia, beta-cell restricted prohormone convertase 2 deficiency, and cell cycle inhibitors expression by human islets transplanted into athymic nude mice: insights into nonimmune-mediated mechanisms of delayed islet graft failure. *Cell Transplant.* 17:1323-36. 2008.
 - 86.** Sordi V, Piemonti L. The contribution of hematopoietic stem cells to beta-cell replacement. *Curr Diab Rep.* 9(2):119-24, 2009.
 - 87.** Manesso E., Toffolo G.M., Saisho Y., Butler A.E., Matveyenko A.V., Cobelli C., Butler P.C.: Dynamics of beta-cell turnover; evidence for beta-cell turnover and regeneration from sources of beta-cells other than beta-cell replication in the HIP rat. *Am. J. Physiol. Endocrinol. Metab.* 297:E323-30, 2009.
 - 88.** Bottino, R., Criscimanna, A., Casu, A., He, J., Van Der Windt, D.J., Rudert, W.A., Giordano, C., Trucco, M. Recovery of endogenous β -cell function in nonhuman primates after chemical diabetes induction and islet transplantation. *Diabetes* 58 (2) :442-447, 2009.
 - 89.** Malosio ML, Esposito A, Poletti A, Chiaretti S, Piemonti L, Melzi R, Nano R, Tedoldi F, Tamara C, Santambrogio P, Levi S, De Cobelli F, Maffi P, Secchi A, and Del Maschio A. Improving The Procedure For Detection Of Intrahepatic Transplanted Islets By Magnetic Resonance Imaging. *Am J Transplant.* 9(10):2372-82, 2009.
 - 90.** Melzi R, Maffi P, Nano R, Sordi V, Mercalli A, Scavini M, Secchi A, Bonifacio E, Piemonti L. Rapamycin does not adversely affect intrahepatic islet engraftment in mice and improves early islet engraftment in humans. *Islets* 1:1, 1-1; 2009.

91. Cantarelli E, Melzi R, Mercalli A, Sordi V, Ferrari G, Lederer CW, Mrak E, Rubinacci A, Ponzoni M, Sitia G, Guidotti LG, Bonifacio E, Piemonti L. Bone marrow as an alternative site for islet transplantation. *Blood.* , 12;114(20):4566-74, 2009.
92. Bertuzzi F, Cainarca S, Marzorati S, Bachi A, Antonioli B, Nano R, Verzaro R, Ricordi C. Collagenase isoforms for pancreas digestion. *Cell Transplant.*18:203-6. 2009.
93. Sacchi L, D'Ancona G, Bertuzzi F, Bellazzi R. Temporal clustering for blood glucose analysis in the ICU: identification of groups of patients with different risk profile. *Stud Health Technol Inform.*160:1150-4. 2010.
94. Salamone M, Seidita G, Cuttitta A, Rigogliuso S, Mazzola S, Bertuzzi F, Ghersi G. A new method to value efficiency of enzyme blends for pancreatic tissue digestion. *Transplant Proc.* 42:2043-8. 2010.
95. Sordi V, Melzi R, Mercalli A, Formicola R, Doglioni C, Tiboni F, Ferrari G, Nano R, Chwalek K, Lammert E, Bonifacio E, Borg D, Piemonti L. Mesenchymal cells appearing in pancreatic tissue culture are bone marrow-derived stem cells with the capacity to improve transplanted islet function. *Stem Cells.* Jan;28(1):140-51, 2010.
96. Melzi R, Antonioli B, Mercalli A, Battaglia M, Valle A, Pluchino S, Galli R, Sordi V, Bosi E, Martino G, Bonifacio E, Doglioni C, Piemonti L. Co-graft of allogeneic immune regulatory neural stem cells (NPC) and pancreatic islets mediates tolerance, while inducing NPC-derived tumors in mice. *PLoS One.* 27;5(4):e10357, 2010.
97. Piemonti L. Islet Transplantation in Bone Marrow. *Journal of Medical Sciences* 3(1): 35-39, 2010.
98. Melzi R, Mercalli A, Sordi V, Cantarelli E, Nano R, Maffi P, Sitia G, Guidotti L, Secchi A, Bonifacio E, Piemonti L. Role of CCL2/MCP-1 in islet transplantation. *Cell Transplant.* 19(8):1031-46, 2010.
99. Piemonti L, Guidotti LG, Battaglia M. Modulation of early inflammatory reactions to promote engraftment and function of transplanted pancreatic islets in autoimmune diabetes. *Adv Exp Med Biol.*;654:725-47, 2010.
100. Ciceri F, Piemonti L. Bone marrow and pancreatic islet: an old story with new perspectives. *Cell Transplant.*;19(12):1511-22, 2010.
101. Sordi V, Piemonti L. Mesenchymal stem cells as feeder cells for pancreatic islet transplant. *Rev Diabet Stud.* Summer;7(2):132-43. 2010.
102. Maffi P, Scavini M, Socci C, Piemonti L, Caldara R, Gremizzi C, Melzi R, Nano R, Orsenigo E, Venturini M, Staudacher C, Del Maschio A, Secchi A. Risks and benefits of transplantation in the cure of type 1 diabetes: whole pancreas versus islet transplantation. *A*

- single center study. *Rev Diabet Stud.* Spring;8(1):44-50, 2011.
- 103.** Piemonti L, Dominguez-Bendala, J. Challenges and prospects for stem cell-based therapy in Type 1 diabetes. *Diabetes Management.*; 1(1), 23–27, 2011.
 - 104.** Occhipinti M, Lampasona V, Vistoli F, Bazzigaluppi E, Scavini M, Boggi U, Marchetti P, Bosi E. Zinc transporter 8 autoantibodies increase the predictive value of islet autoantibodies for function loss of technically successful solitary pancreas transplant. *Transplantation* 92:674-7, 2011.
 - 105.** Sordi V, Piemonti L. Therapeutic plasticity of stem cells and allograft tolerance. *Cytotherapy.* 13(6):647-60. 2011.
 - 106.** Cantarelli E, Piemonti L. Alternative transplantation sites for pancreatic islet grafts. *Curr Diab Rep.* 11(5):364-74. 2011.
 - 107.** Caumo A, Maffi P, Nano R, Luzi L, Hilbrands R, Gillard P, Jacobs-Tulleneers-Thevissen D, Secchi A, Keymeulen B, Pipeleers D, Piemonti L. Comparative Evaluation of Simple Indices of Graft Function After Islet Transplantation. *Transplantation.* 92(7):815-21. 2011.
 - 108.** Citro A, Cantarelli E, Maffi P, Nano R, Melzi R, Mercalli A, Dugnani E, Sordi V, Magistretti P, Daffonchio L, Ruffini PA, Allegretti M, Secchi A, Bonifacio E, Piemonti L. CXCR1/2 inhibition enhances pancreatic islet survival after transplantation. *J Clin Invest.*;122(10):3647-51, 2012.
 - 109.** Criscimanna, A., Zito, G., Taddeo, A., Richiusa, P., Pitrone, M., Morreale, D., Lodato, G., Pizzolanti G, Citarella R, Galluzzo A, Giordano, C. In vitro generation of pancreatic endocrine cells from human adult fibroblast-like limbal stem cells. *Cell Transplantation* 21 (1): 73-90, 2012.
 - 110.** Fiorina P, Bassi R, Gremizzi C, Vergani A, Caldara R, Del Maschio A, De Cobelli F, Perseghin G, Secchi A. ³¹P-Magnetic Resonance Spectroscopy (³¹P-MRS) detects early changes in kidney high-energy phosphate metabolism during a six-month Valsartan treatment in diabetic and not-diabetic kidney-transplanted patients. *Acta Diabetol*; 49 (Suppl 1): S133–S139, 2012.
 - 111.** Hecking M, Haidinger M, Döller D, Werzowa J, Tura A, Zhang J, Tekoglu H, Pleiner J, Wrba T, Rasoul-Rockenschaub S, Mühlbacher F, Schmaldienst S, Druml W, Hörl WH, Krebs M, Wolzt M, Pacini G, Port FK, Säemann MD. Early basal insulin therapy decreases new-onset diabetes after renal transplantation. *J Am Soc Nephrol.* 23(4):739-49, 2012.
 - 112.** Fiorina P, Vezzulli P, Bassi R, Gremizzi C, Falautano M, D'Addio F, Vergani A, Chabtni L, Altamura E, Mello A, Caldara R, Scavini M, Magnani G, Falini A, Secchi A.

- Near normalization of metabolic and functional features of the central nervous system in type 1 diabetic patients with end-stage renal disease after kidney-pancreas transplantation. *Diabetes Care* 35:367-74, 2012.
113. Levetan C, Pozzilli P, Jovanovic L, Schatz D. Proposal for generating new beta cells in a muted immune environment for type 1 diabetes *Diabetes Metab Res Rev.* 29(8):604-6, 2013.
 114. Hecking M, Kainz A, Werzowa J, Haidinger M, Döller D, Tura A, Karaboyas A, Hörl WH, Wolzt M, Sharif A, Roden M, Moro E, Pacini G, Port FK, Säemann MD. Glucose metabolism after renal transplantation. *Diabetes Care.* 36(9):2763-71, 2013.
 115. Nano R, Racanicchi L, Melzi R, Mercalli A, Maffi P, Sordi V, Ling Z, Scavini M, Korsgren O, Celona B, Secchi A, Piemonti L. Human Pancreatic Islet Preparations Release HMGB1: (Ir)Relevance For Graft Engraftment. *Cell Transplant.*;22(11):2175-86, 2013.
 116. Piemonti L, Everly MJ, Maffi P, Scavini M, Poli F, Nano R, Cardillo M, Melzi R, Mercalli A, Sordi V, Lampasona V, Espadas de Arias A, Scalamogna M, Bosi E, Bonifacio E, Secchi A, Terasaki PI. Alloantibody and Autoantibody Monitoring Predicts Islet Transplantation Outcome in Human Type 1 Diabetes. *Diabetes.* 62(5):1656-64, 2013.
 117. Monti P, Piemonti L. Homeostatic T cell proliferation after islet transplantation. *Clin Dev Immunol.*;2013:217934, 2013.
 118. Citro A, Cantarelli E, Piemonti L. Anti-Inflammatory Strategies to Enhance Islet Engraftment and Survival. *Curr Diab Rep.* Oct;13(5):733-44, 2013.
 119. Cantarelli E, Citro A, Marzorati S, Melzi R, Scavini M, Piemonti L. Murine animal models for preclinical islet transplantation: no model fits all (research purposes). *Islets.* 5(2):79-86, 2013.
 120. Maffi P, Balzano G, Ponzoni M, Nano R, Sordi V, Melzi R, Mercalli A, Scavini M, Esposito A, Peccatori J, Cantarelli E, Messina C, Bernardi M, Del Maschio A, Staudacher C, Doglioni C, Ciceri F, Secchi A, Piemonti L. Autologous Pancreatic Islet Transplantation in Human Bone Marrow. *Diabetes.* 62(10):3523-31, 2013.
 121. Mercalli A, Calavita I, Dugnani E, Citro A, Cantarelli E, Nano R, Melzi R, Maffi P, Secchi A, Sordi V, Piemonti L. Rapamycin unbalances the polarization of human macrophages to M1. *Immunology.* 140(2):179-90, 2013.
 122. Balzano G, Maffi P, Nano R, Zerbi A, Venturini M, Melzi R, Mercalli A, Magistretti P, Scavini M, Castoldi R, Carvello M, Braga M, Del Maschio A, Secchi A, Staudacher C, Piemonti L. Extending indications for islet autotransplantation in pancreatic surgery. *Ann Surg.* 258(2):210-8, 2013.

- 123.** Lunati ME, Grancini V, Agnelli F, Gatti S, Masserini B, Zimbalatti D, Pugliese G, Rossi G, Donato MF, Colombo M, Beck-Peccoz P, Orsi E. Metabolic syndrome after liver transplantation: short-term prevalence and pre- and post-operative risk factors. *Dig Liver Dis.*; 45:833-839. 2013.
- 124.** Vergani A, Fotino C, D'Addio F, Tezza S, Podetta M, Gatti F, Chin M, Bassi R, Molano RD, Corradi D, Gatti R, Ferrero ME, Secchi A, Grassi F, Ricordi C, Sayegh MH, Maffi P, Pileggi A, Fiorina P. Effect of the purinergic inhibitor oxidized-ATP in a model of islet allograft rejection. *Diabetes*, 62(5):1665-75, 2013.
- 125.** D'Addio F, Maffi P, Vezzulli P, Vergani A, Mello A, Bassi R, Nano R, Falautano M, Coppi E, Finzi G, D'Angelo A, Fermo I, Pellegatta F, La Rosa S, Magnani G, Piemonti L, Falini A, Folli F, Secchi A, Fiorina P. Islet transplantation stabilizes hemostatic abnormalities and cerebral metabolism in individuals with type 1 diabetes. *Diabetes Care*;37(1):267-76, 2014.
- 126.** Balzano G, Pecorelli N, Piemonti L, Ariotti R, Carvello M, Nano R, Braga M, Staudacher C. Relaparotomy for pancreatic fistula after pancreaticoduodenectomy: a comparison of different surgical strategies. *HPB (Oxford)*. 16(1):40-5, 2014.
- 127.** Esposito A, Palmisano A, Maffi P, Malosio ML, Nano R, Canu T, De Cobelli F, Piemonti L, Ironi G, Secchi A, Del Maschio A. Liver Perfusion Changes Occurring During Pancreatic Islet Engraftment: A Dynamic Contrast-Enhanced Magnetic Resonance Study. *Am J Transplant*. 14(1):202-9, 2014.
- 128.** Balzano G, Carvello M, Piemonti L, Rita N, Ariotti R, Mercalli A, Melzi R, Maffi P, Braga M, Staudacher C. Combined Laparoscopic Spleen-Preserving Distal Pancreatectomy and Islet Autotransplantation for Benign Pancreatic Neoplasm. *World J Gastroenterol*. Apr 14;20(14):4030-6, 2014.
- 129.** Cardillo M, Nano R, de Fazio N, Melzi R, Drago F, Mercalli A, Dell'acqua A, Scavini M, Piemonti L. The allocation of pancreas allografts on donor age and duration of intensive care unit stay: the experience of the North Italy Transplant program. *Transpl Int*. 27(4):353-61, 2014.
- 130.** Balzano G, Piemonti L. Autologous islet transplantation in patients requiring pancreatectomy for neoplasm. *Curr Diab Rep*. Aug;14(8):512. 2014.
- 131.** Marzorati S, Melzi R, Citro A, Cantarelli E, Mercalli A, Scavini M, Piemonti L. Engraftment Versus Immunosuppression: Cost-Benefit Analysis of Immunosuppression After Intrahepatic Murine Islet Transplantation. *Transplantation*. May 27;97(10):1019-26. 2014.

132. Delmonte, V; Codella, R; Piemonti, L; La Torre, A; Benedini, S; Maffi, P; Ricordi, C; Luzi, L. Effects of exercise in a islet-transplanted half-marathon runner: Outcome on diabetes management, training and metabolic profile *Sport Sci. Health*; 10(1): 49-52, 2014.
133. Maffi P, Berney T, Nano R, Niclauss N, Bosco D, Melzi R, Mercalli A, Magistretti P, De Cobelli F, Battaglia M, Scavini M, Demuylder-Mischler S, Secchi A, Piemonti L. Calcineurin Inhibitor -Free Immunosuppressive Regimen in T1D Patients Receiving Islet Transplantation: single-group phase 1/2 trial. *Transplantation*. 98(12): 1305-1309, 2014.
134. Corritore E, Dugnani E, Pasquale V, Misawa R, Witkowski P, Piemonti L, Sokal EM, Lysy PA. β -Cell Differentiation of Human Pancreatic Duct-Derived Cells After In Vitro Expansion. *Cell Reprogram*. 16(6): 456-66, 2014.
135. Malosio ML, Esposito A, Brigati C, Palmisano A, Piemonti L, Nano R, Maffi P, De Cobelli F, Del Maschio A, Secci A. MR imaging monitoring of iron labelled pancreatic islets in a small series of patients: islets fate in successful, unsuccessful and auto-transplantation. *Cell Transplant*, 24(11): 2285-96, 2015.
136. Venturini M, Maffi P, Querques G, Agostini G, Piemonti L, Sironi S, De Cobelli F, Fiorina P, Secchi A, Del Maschio A. Hepatic steatosis after islet transplantation: Can ultrasound predict the clinical outcome? A longitudinal study in 108 patients. *Pharmacol Res*. 98:52-9, 2015.
137. Monti P, Vignali D, Piemonti L. Monitoring Inflammation, Humoral and Cell-mediated Immunity in Pancreas and Islet Transplants. *Curr Diabetes Rev*. 11(3):135-43, 2015.
138. Ben Nasr M, Fiorina P. Novel therapies for T1D on the horizon. *Pharmacol Res*.;98:1-2, 2015.
139. Ben Nasr M, Vergani A, Avruch J, Liu L, Kefaloyianni E, D'Addio F, Tezza S, Corradi D, Bassi R, Valderrama-Vasquez A, Uselli V, Kim J, Azzi J, El Essawy B, Markmann J, Abdi R, Fiorina P. Co-transplantation of autologous MSCs delays islet allograft rejection and generates a local immunoprivileged site. *Acta Diabetol*. 52(5):917-27, 2015.
140. Pellegrini S, Ungaro F, Mercalli A, Melzi R, Sebastiani G, Dotta F, Broccoli V, Piemonti L, Sordi V. Human induced pluripotent stem cells differentiate into insulin-producing cells able to engraft in vivo. *Acta Diabetol*. 52(6):1025-35, 2015.
141. Nano R, Bosco D, Kerr-Conte JA, Karlsson M, Charvier S, Melzi R, Ezzouaoui R, Mercalli A, Hwa A, Pattou F, Korsgren O, Berney T, Piemonti L. Human islet distribution programme for basic research: activity over the last 5 years. *Diabetologia*. 58(5):1138-40,

2015.

142. Venturini M, Sallemi C, Colantoni C, Agostini G, Balzano G, Esposito A, Secchi A, De Cobelli F, Falconi M, Piemonti L, Maffi P, Del Maschio A. Single-centre experience of extending indications for percutaneous intraportal islet autotransplantation (PIPIAT) after pancreatic surgery to prevent diabetes: feasibility, radiological aspects, complications and clinical outcome. *Br J Radiol.* 89(1064):20160246, 2016.
143. Vignali D, Gürth CM, Pellegrini S, Sordi V, Sizzano F, Piemonti L, Monti P. IL-7 Mediated Homeostatic Expansion of Human CD4+CD25+FOXP3+ Regulatory T Cells After Depletion With Anti-CD25 Monoclonal Antibody. *Transplantation.* 100(9):1853-61, 2016.
144. Balzano G, Maffi P, Nano R, Mercalli A, Melzi R, Aleotti F, Zerbi A, De Cobelli F, Gavazzi F, Magistretti P, Scavini M, Peccatori J, Secchi A, Ciceri F, Del Maschio A, Falconi M, Piemonti L. Autologous Islet Transplantation in Patients Requiring Pancreatectomy: A Broader Spectrum of Indications Beyond Chronic Pancreatitis. *Am J Transplant.* 16(6):1812-26, 2016.
145. Peloso A, Urbani L, Cravedi P, Katari R, Maghsoudlou P, Fallas ME, Sordi V, Citro A, Purroy C, Niu G, McQuilling JP, Sittadjody S, Farney AC, Iskandar SS, Zambon JP, Rogers J, Stratta RJ, Opara EC, Piemonti L, Furdui CM, Soker S, De Coppi P, Orlando G. The Human Pancreas as a Source of Protolerogenic Extracellular Matrix Scaffold for a New-generation Bioartificial Endocrine Pancreas. *Ann Surg.* 264(1):169-79, 2016.
146. Pellegrini S, Cantarelli E, Sordi V, Nano R, Piemonti L. The state of the art of islet transplantation and cell therapy in type 1 diabetes. *Acta Diabetol.* 53(5):683-91, 2016.
147. Kovatchev B, Tamborlane WV, Cefalu WT, Cobelli C. The Artificial Pancreas in 2016: A Digital Treatment Ecosystem for Diabetes. *Diabetes Care.* 39(7):1123-6, 2016.
148. Cantarelli E, Citro A, Pellegrini S, Mercalli A, Melzi R, Dugnani E, Jofra T, Fousteri G, Mondino A, Piemonti L. Transplant Site Influences the Immune Response After Islet Transplantation: Bone Marrow vs Liver. *Transplantation.* [Epub ahead of print], 2016.
149. Messori M, Toffanin C, Del Favero S, De Nicolao G, Cobelli C, Magni L. Model individualization for artificial pancreas. *Comput Methods Programs Biomed.* [Epub ahead of print], 2016.
150. Corritore E, Lee YS, Pasquale V, Liberati D, Hsu MJ, Lombard CA, Van Der Smissen P, Vetere A, Bonner-Weir S, Piemonti L, Sokal E, Lysy P. V-Maf Musculoaponeurotic Fibrosarcoma Oncogene Homolog A Synthetic Modified mRNA Drives Reprogramming of Human Pancreatic Duct-Derived Cells Into Insulin-Secreting

Cells. *Stem Cells Transl Med.* [Epub ahead of print], 2016

- 151.** Sordi V, Ferri A, Ceserani V, Ciusani E, Dugnani E, Pellegrini S, Nano R, Pecciarini L, Pessina A, Pascucci L, Piemonti L, Alessandri G Establishment, characterization and long-term culture of human endocrine pancreas-derived microvascular endothelial cells. *Cytherapy.* 19(1):141-152, 2017.