

Prerequisites for Successful Clinical Islet Transplantation

Lessons from the Clinical Trials in 1990

- **8,000 - 10,000 purified islet equivalents (fresh or cryo)/kg (multiple donors)**
- **portal vein**
- **IAK or SIK (or SIL)**
- **HLA compatibility ?!**
- **ALG/OKT3**
- **strict blood glucose control with IV insulin in the early posttransplant period**

Accomplished in Man

- ✓ • **Insulin Independence**
- (✓) • **Prevent Rejection**
 - **Prevent Rejection in Non-Uremic Patients**
 - **Prevent Rejection in Non-Uremic Patients without Chronic Immunosuppression**
 - **Avoid Recurrence of Autoimmunity**
 - **Prevent Diabetic Complications**