Human embryonic stem cell derived endoderm in nude rats



Supplemental Figures

Supplemental Figure 1. Basal metabolic characteristics in athymic "nude" and wild type Sprague Dawley rats at 5 months of age. Fasting body weight (A), fasting plasma glucose (B) and fasting plasma insulin (C) levels in "nude" (n=4) and wild type rats (n=6) at fasting. Data are expressed as mean  $\pm$  SE.

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athymic "nude" and wild type Sprague Dawley rats at 5 months of age. (A and B) Mean plasma glucose 70 min) with arginine bolus injection given at 60 min in "nude" and wild type rats. (C-D) Mean plasma glucose and corresponding glucose infusion rates at fasting (0 min) and during the hyperinsulinemic-euglycemic clamp Supplemental Figure 2. Comparison of glucose-stimulated insulin secretion and insulin sensitivity in and corresponding insulin concentration profiles at fasting (-30 to 0 min) and during a hyperglycemic clamp (0-(0-120 min) in "nude" and wild type rats. (E) Mean disposition index in "nude" and wild type rats at 5 months of age. Data are expressed as mean ± SE.

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nude rats, and nude rats implanted with pancreatic endoderm into either epididymal fat pad or Theracyte device implanted and Theracyte device implanted rats 18 weeks post endoderm implantation. Data are expressed as for 18 weeks. (B) Beta-cell fractional area and (C) beta-cell mass of the endogenous pancreas in CON, Fat pad Supplemental Figure 4. (A) Representative endogenous pancreatic sections imaged at 4X from control (CON) mean ± SE.

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