Changes in Serum Insulin Levels during Orthotopic Liver Transplantation in the Pig

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and glucose levels were measured in 13 orthotopic liver transplantations in pigs. After portal revascularization a significant increase in the glucose levels takes place (p < 0.01). When the hepatic vena cava clamp is removed, a significant increase in glucose and insulin concentrations (p < 0.05) takes place. At the end of the operation the insulin levels decrease.

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Fig. 1.—Changes in blood glucose (■) and insulin (□) concentrations during orthotopic liver transplantation (OLT) in pigs. R1, beginning of operation; R2, Dissection; R3, Anhepatic; R4, Portal revascularization; R5, lH-VC clamp removed; R6, Arterial revascularization, R7, End of the operation. Mean SEM for 13 OLT. Statistically significant changes R1 *p < 0.05 **p < 0.01.