

Experimental Liver Transplantation on Pigs - Technical Considerations

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Abstract

The purpose was to improve and refine our technique for orthotopic liver transplantation.

Material and method: Experimental interventions were performed on pigs, 26 pairs. Orthotopic transplantation was performed after lavage of the donor pig liver by pressure gradient and transplantation was performed using porto-cavo-jugular shunt and veno-venous, arterio-arterial and choledocho-choledochal sutures in end-to-end manner.

Results: Immediate survival was 88.46%.

Conclusions: Experimental transplant activity on pigs is of real value, contributing to a faster learning curve and at the same time improving handling, increasing the efficiency of sutures, as well as anesthetic and surgical team building.

Key words: experimental liver transplantation, pigs, technical considerations

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