

結腸移植後の組織学的ならびに機能的適応に関する 実験的研究

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Study on the adaptation of the colon after bowel transplantation

Research Project

Project/Area Number

07671374

Research Category

Grant-in-Aid for Scientific Research (C)

Allocation Type

Single-year Grants

Section

一般

Research Field

Digestive surgery

Research Institution

Kanazawa University

Principal Investigator

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Project Period (FY)

1995 – 1996

Keywords

colon transplantation / adaptation

Research Abstract

The present study examined the change of colon graft in LEW to LEW rats with orthotopic small bowel and colon transplantation. There is no villi in the colon mucosa in the rats receiving with total small bowel and colon transplant at the time of three month after transplantation. Thirty percent of the rats receiving with half of the small bowel and colon graft had villi formation in the colon mucosa. Functional study such as maltose and glucose absorption test showed no evidence of absorption ability of the colon graft. These data suggest that the villi formation after bowel transplantation may be relation with intestinal graft length and that the villi of the colon is immature.

Research Products (10 results)

All Other

All Publications (10 results)

- [Publications] 橋本 哲夫 他8名: "消化器外科領域における経管栄養の評価と今後の問題点" 消化と吸収. 18. 44-46 (1995) ▼
- [Publications] 高村 博之: "ラート・異系小腸移植におけるチロキナーゼ阻害剤(ゲニステイン)の拒絶反応抑制効果" 金沢大学十全医学会雑誌. 104. 719-731 (1995) ▼
- [Publications] M. YAGI. T. HASHIMOTO et al.: "Effect of Prostaglandin E, on Acute Ischem's-Reperfusion of camine small intestine" J. Clin. Biochem. Nutr.21. 39-44 (1996) ▼
- [Publications] M. YAGI. T. HASHIMOTO et al.: "Four cause of Selenium Deficienay in Postoperative Long-Torm ENteral Nutrition" Nutrition. 12. 40-43 (1996) ▼
- [Publications] S. Yamamoto. T. HASHIMOTO et al.: "Gerustein Suppress Cellulor Injury, Following Hepatic Ishem's/Reperfusion" Transplantation Proceeding. 28. 1111-1115 (1996) ▼
- [Publications] Hashimoto T,Hasebe K,Oonishi I,et al.: "Management and problems of the patients supported by the enteral nutrition in the gastroenterological field" Digestion Absorption. 18 (1). 44-46 (1995) ▼
- [Publications] Takamura H: "Immunosuppressive effects of a tyrosine kinase specific inhibitors (genistein) on the rejection of rat allogenic small bowel transplantation" J.Juzen Med.Soc.104 (6). 719-731 (1995) ▼
- [Publications] Yagi, M., Tani, T., Hashimoto T.et al.: "Effect of prostaglandin E1 on acute ischemia-reperfusion of canine small intestine." Clin.Biochem.Nutr.20 (1). 39-44 (1996) ▼
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- [Publications] Yamamoto S,Hashimoto T., Yagi M et al.: "Genistein suppresses cellular injury following hepatic ischemia /reperfusion" Transplant Proc.28 (2). 1111-1115 (1996) ▼

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