

ISEM WEST CHAPTER 2015

(The 4th Meeting, 31 July 2015, Kyoto)

2015年度総決算！

臓器の壁を越えてハンズオン

小腸移植モデル：

移植グラフトの長さによる免疫の課題

Keio University



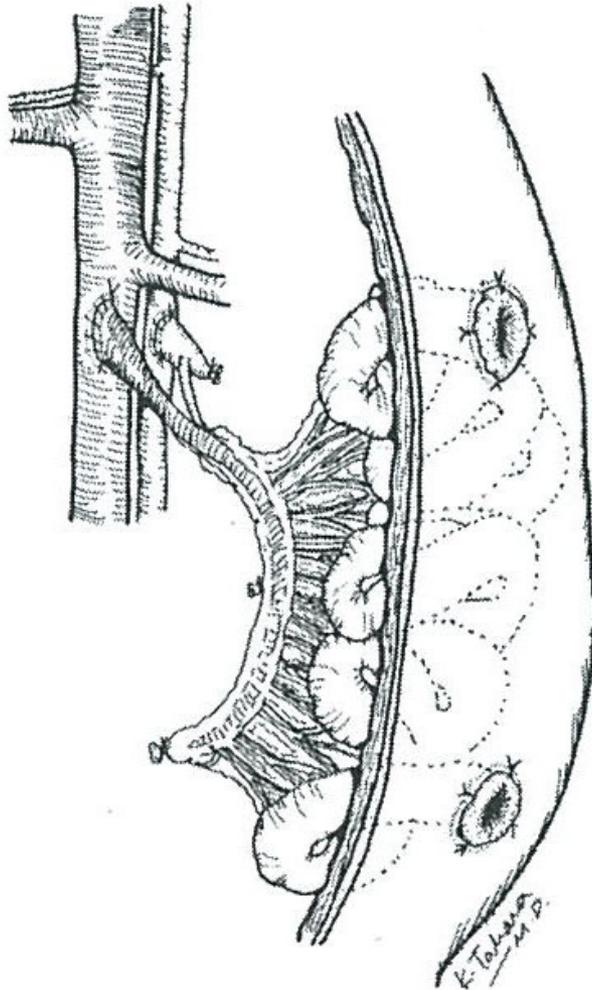
Eiji Kobayashi, MD, PhD

Department of Organ Fabrication,

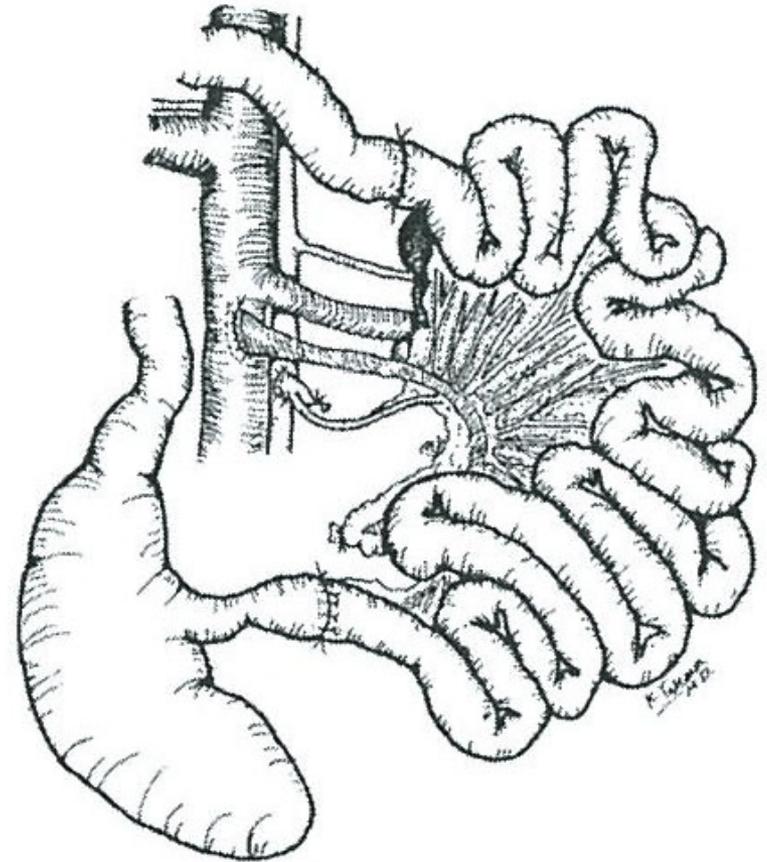
Keio University School of Medicine, Japan

COI: 外科教育資材開発につきサンアロー(株)のアドバイザーを務めている

ラット小腸移植モデル



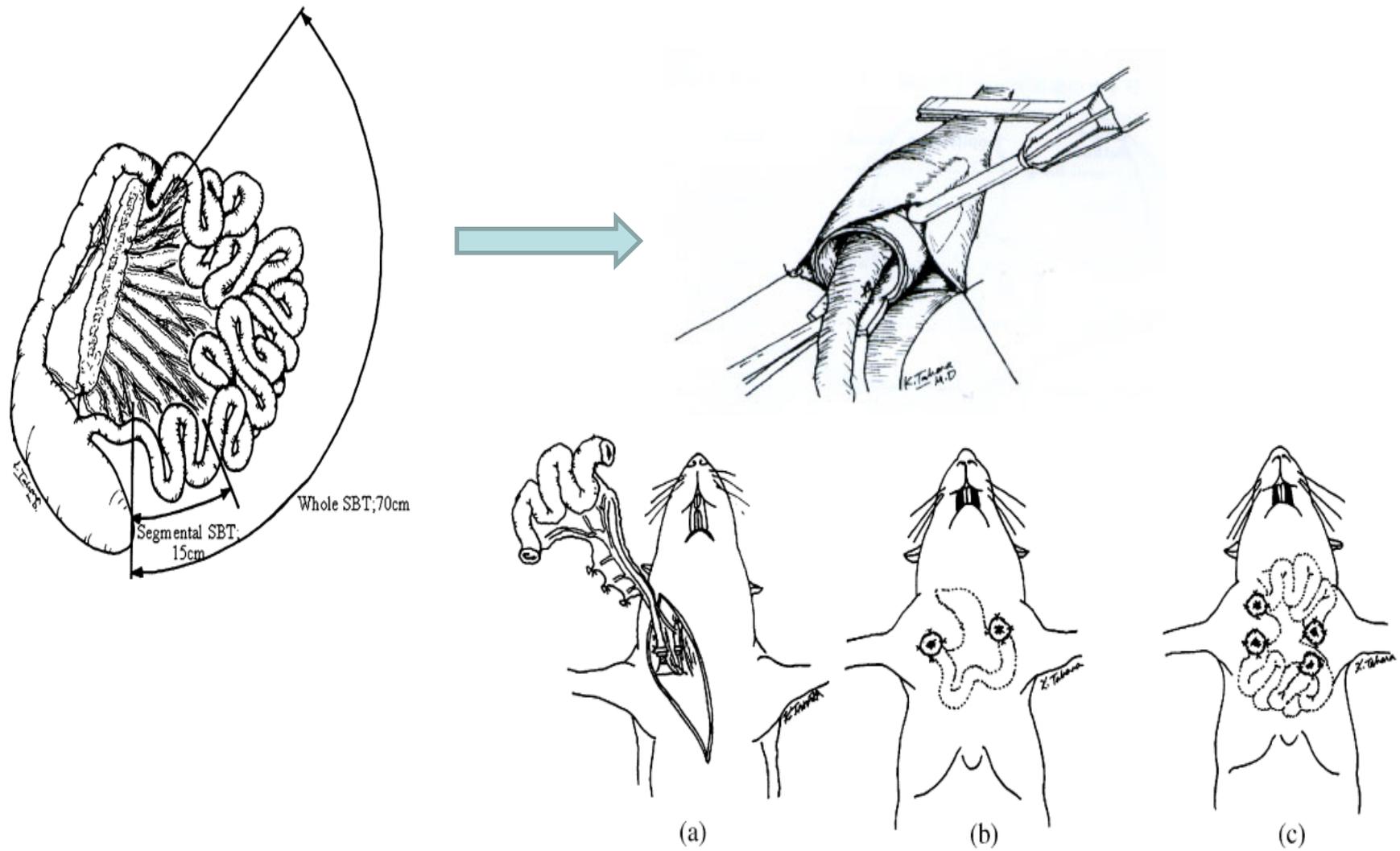
Heterotopic model



Orthotopic model

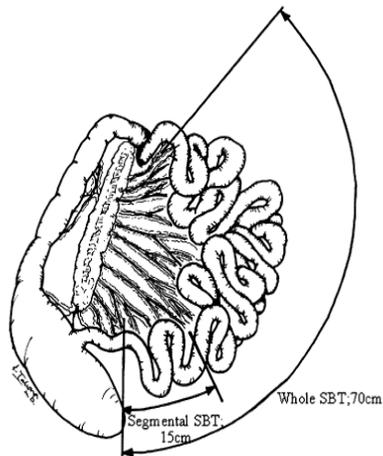
(Exp Org Transplant 2015)

Impact of graft length on surgical damage after intestinal transplantation in rats

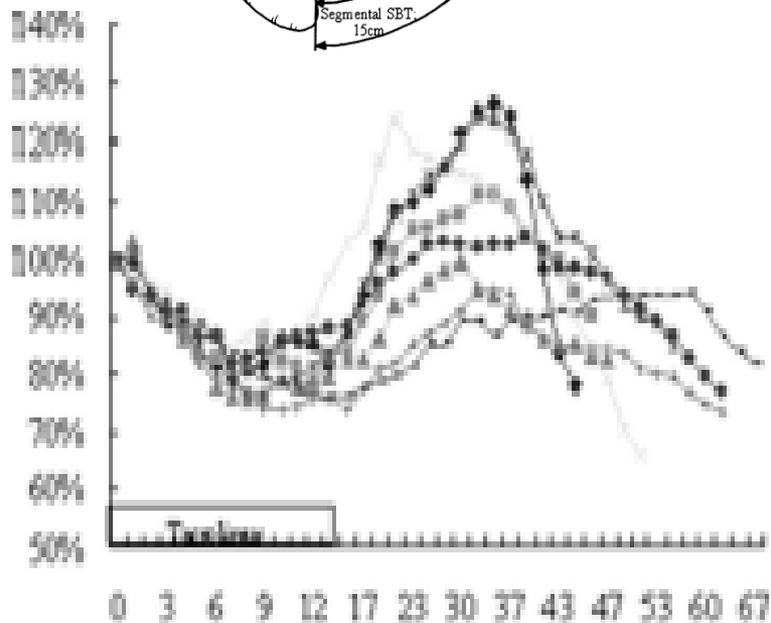


(Inoue S, et al Transplant Immunology 2003)

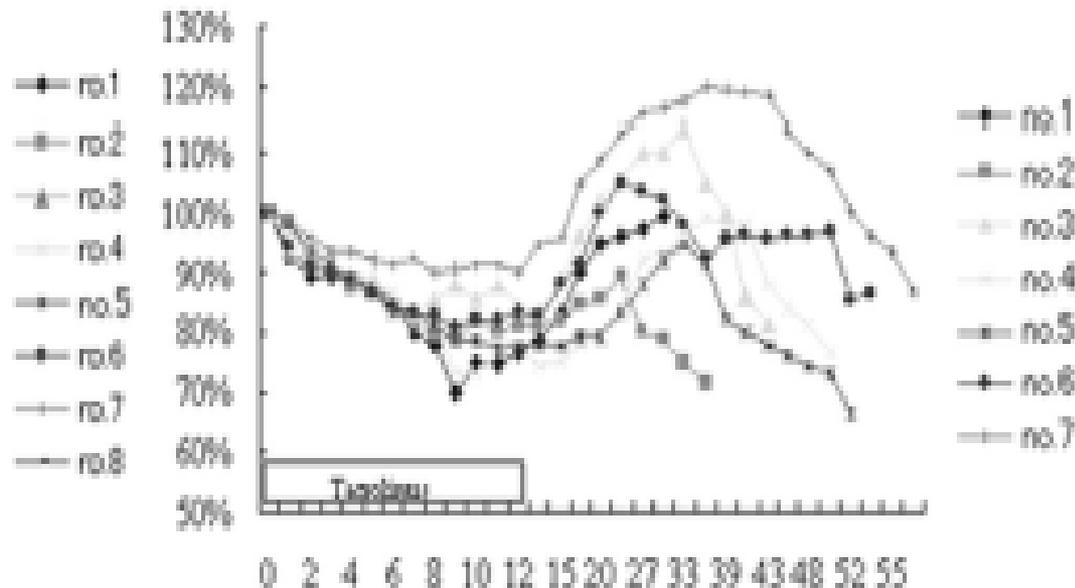
Immunologic Benefits of Longer Graft in Rat Allogenic Small Bowel Transplantation



In a recipients with whole graft (Group D) tended to survive longer than those with segmental graft. The suffering period, lasting from the onset of rejection to death, was significantly shorter in the segmental group (Group E) than in the whole group



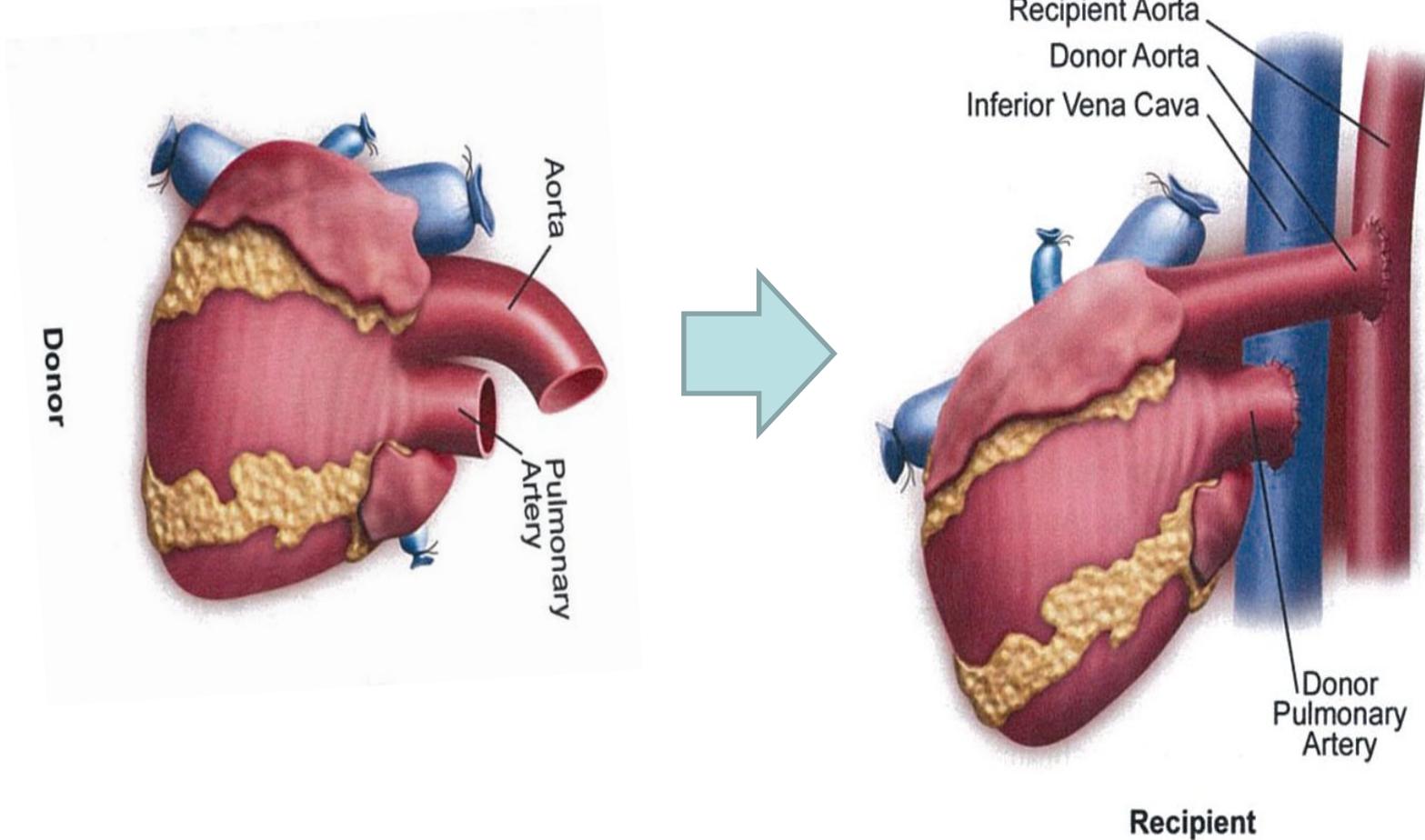
Whole SBT (Group D)



Segment SBT (Group E)

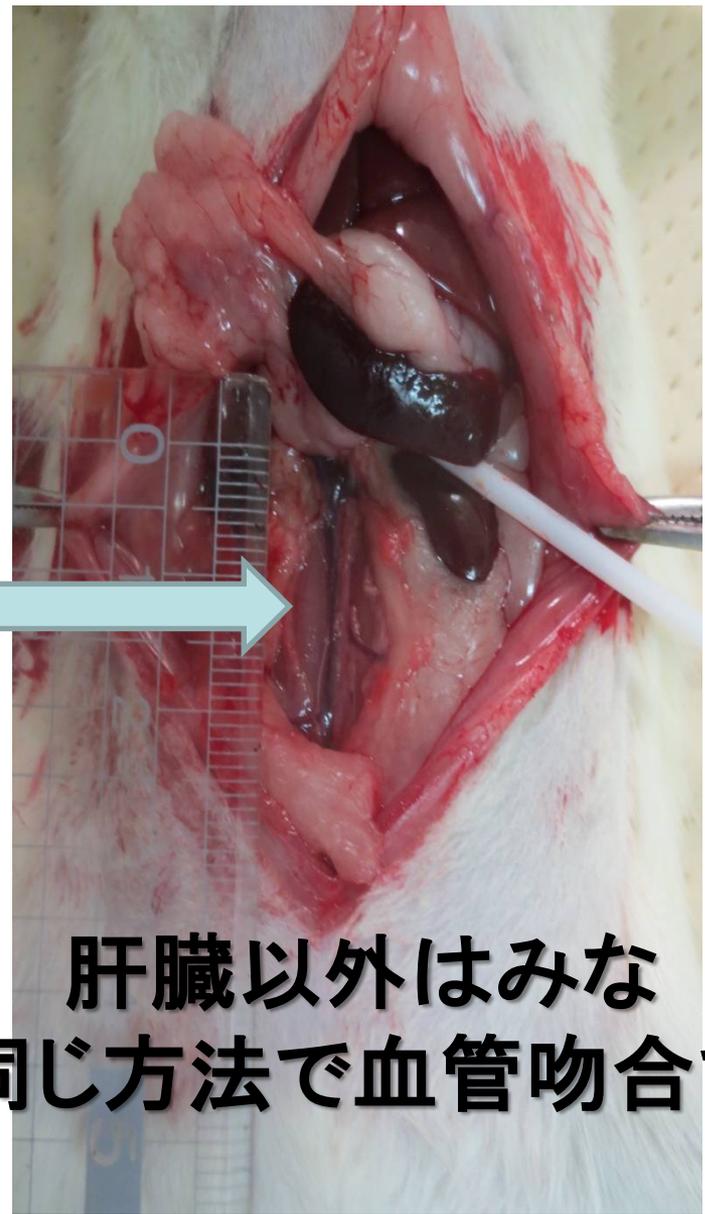
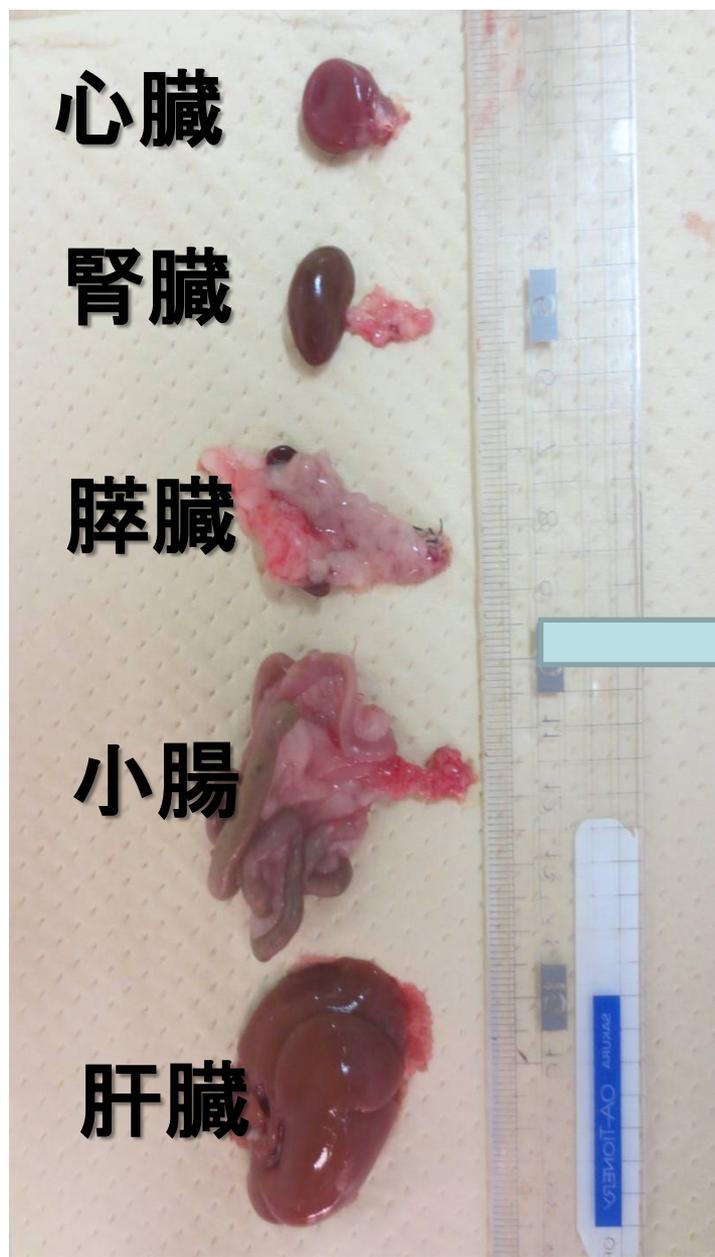
(Fujishiro J, et al. Transplantation 2005)

ラット異所性心臓移植モデル

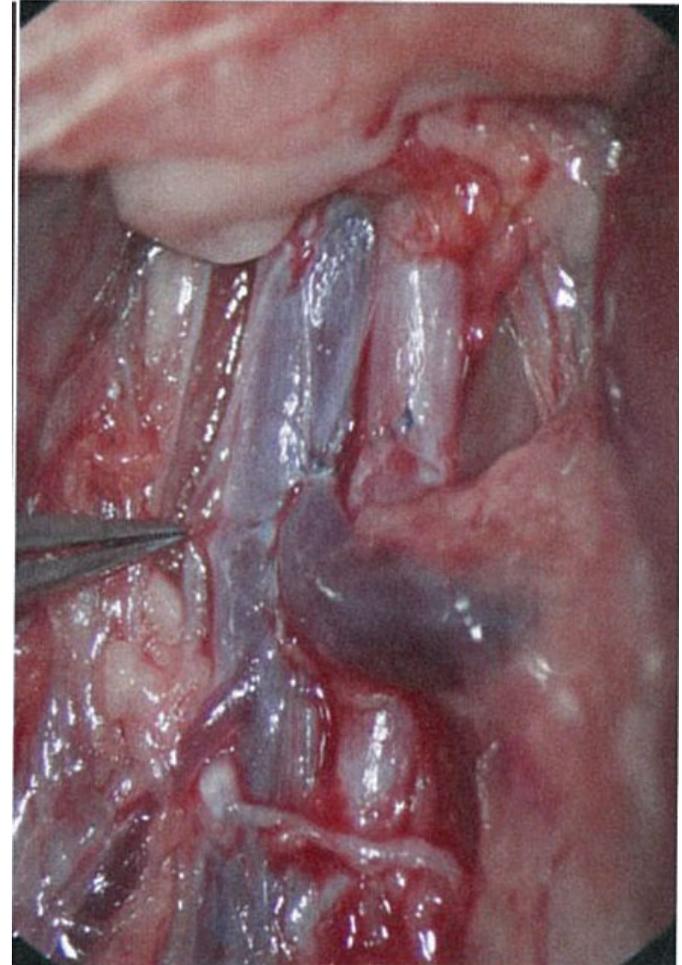
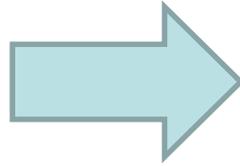


(Exp Org Transplant 2015)

ラット臓器移植のコツ(血管吻合)



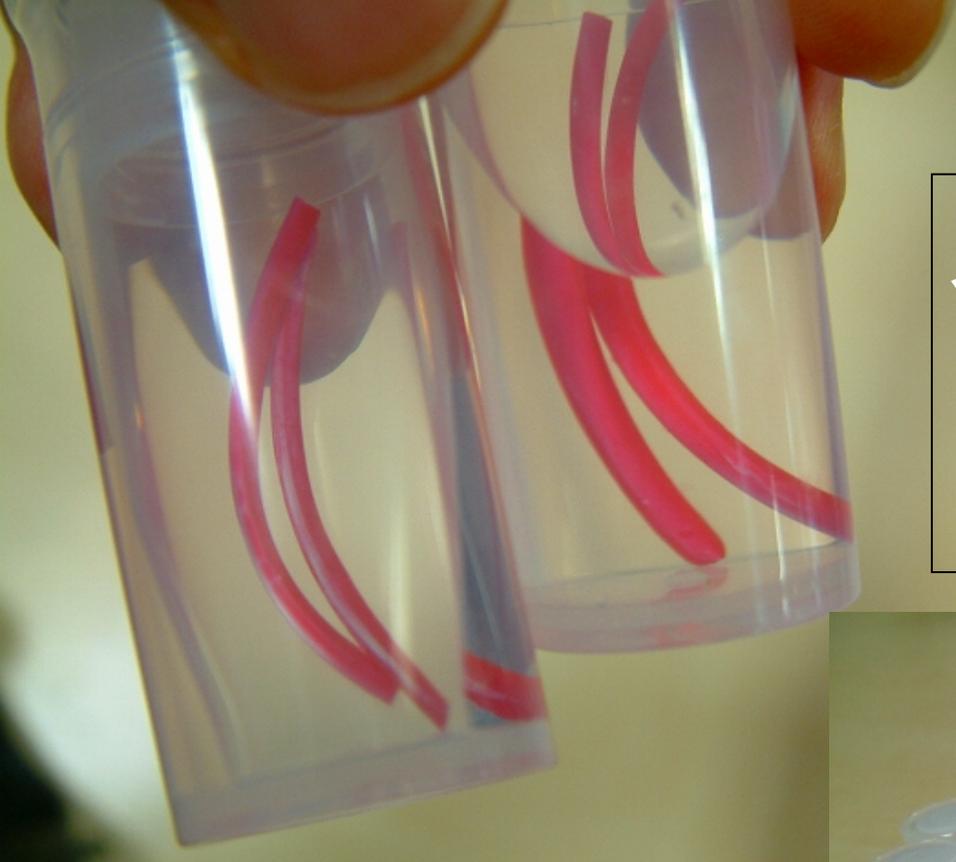
ラット臓器移植のコツ(血管吻合)



(Exp Org Transplant 2015)

今回のハンズオン

8-0で端側吻合
Continuous Suture
制限時間: 30分



人工血管(新製品)

内膜面:白

外膜面:赤

