

ステントグラフト留置後の瘤径変化に影響を与える リスクファクターの解明

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2006 Fiscal Year Final Research Report Summary

Experimental analysis of risk factors for aneurismal sac re-expansion after stent-grafting

Research Project

Project/Area Number

17591462

Research Category

Grant-in-Aid for Scientific Research (C)

Allocation Type

Single-year Grants

Section

一般

Research Field

Thoracic surgery

Research Institution

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Keywords

Stentgraft / Endoleak / Aneurysmal sac pressure

Research Abstract

[Introduction] There are, in accordance with clinical use of stent graft placement, cases in which aneurysm size is not reduced despite the aneurysm being thrombosed. In addition, these cases are often reported to involve a high risk of secondary rupture. The aim of this study was to continuously measure excluded sac pressure changes in an aneurysm in which blood flow had been blocked by stent graft placement and to clarify more useful factors for successful reduction of aneurysm size and decrease of excluded sac pressure within the aneurysm in the late stages of this procedure.

[Subjects and methods] Excluded sac pressure changes in an aneurysm in which blood flow was blocked after stent graft placement were continuously measured using pigs, and changes in aneurysm size were compared. An aneurysm model with no endoleaks and type I and type II endoleaks was created to indicate factors affecting internal pressure within the aneurysm. Arterial blood pressure and internal pressure within t ... More

Research Products (8 results)

All 2006 2005

All Journal Article (8 results)

[Journal Article] Clinical application of an original flexible M-K stent-graft for non-ruptured TAA	2006	▼
[Journal Article] Experimental study of aortic anastomosis using a circular stapling device in the porcine model	2006	▼
[Journal Article] ステントグラフト内挿術	2006	▼
[Journal Article] Clinical application of an original flexible M-K stent-graft for non-ruptured TAA	2006	▼
[Journal Article] Experimental study of aortic anastomosis using a circular stapling device in the porcine model	2006	▼
[Journal Article] Stent-grafting	2006	▼
[Journal Article] An experimental study of a new pull-through technique for aortic arch aneurysm in a porcine model	2005	▼
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