

Accepted Manuscript

Haemodynamic effects of stent diameter and compaction ratio on flow-diversion treatment of intracranial aneurysms: a numerical study of a successful and an unsuccessful case

Mingzi Zhang, Yujie Li, Xi Zhao, David I. Verrelli, Winston Chong, Makoto Ohta, Yi Qian

PII: S0021-9290(17)30242-7
DOI: <http://dx.doi.org/10.1016/j.jbiomech.2017.05.001>
Reference: BM 8211

To appear in: *Journal of Biomechanics*

Received Date: 1 January 2017
Revised Date: 2 April 2017
Accepted Date: 5 May 2017



Please cite this article as: M. Zhang, Y. Li, X. Zhao, D.I. Verrelli, W. Chong, M. Ohta, Y. Qian, Haemodynamic effects of stent diameter and compaction ratio on flow-diversion treatment of intracranial aneurysms: a numerical study of a successful and an unsuccessful case, *Journal of Biomechanics* (2017), doi: <http://dx.doi.org/10.1016/j.jbiomech.2017.05.001>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Title:

Haemodynamic effects of stent diameter and compaction ratio on flow-diversion treatment of intracranial aneurysms: a numerical study of a successful and an unsuccessful case

Authors:

Mingzi Zhang^{1,2}, Yujie, Li^{1,2}, Xi Zhao¹, David I. Verrelli¹, Winston Chong^{3,4}, Makoto Ohta⁵, Yi Qian^{1,*}

Affiliations:

1. Department of Biomedical Sciences, Faculty of Medicine and Health Sciences, Macquarie University, Sydney, New South Wales, Australia
2. Graduate School of Engineering, Tohoku University, Sendai, Miyagi, Japan
3. Neuroradiology Department, Monash Medical Centre, Melbourne, Victoria, Australia
4. Department of Surgery, School of Clinical Sciences, Faculty of Medicine, Nursing and Health Sciences, Monash University, Clayton, Victoria, Australia
5. Institute of Fluid Science, Tohoku University, Sendai, Miyagi, Japan

Download English Version:

<https://daneshyari.com/en/article/5032035>

Download Persian Version:

<https://daneshyari.com/article/5032035>

[Daneshyari.com](https://daneshyari.com)