

Author's Accepted Manuscript

Patient-specific numerical simulation of stent-graft deployment: validation on three clinical cases

David Perrin, Pierre Badel, Laurent Orgeas, Christian Geindreau, Aurélien Dumenil, Jean-Noël Albertini, Stéphane Avril



PII: S0021-9290(15)00251-1
DOI: <http://dx.doi.org/10.1016/j.jbiomech.2015.04.031>
Reference: BM7148

To appear in: *Journal of Biomechanics*

Received date: 27 October 2014

Revised date: 25 February 2015

Accepted date: 23 April 2015

Cite this article as: David Perrin, Pierre Badel, Laurent Orgeas, Christian Geindreau, Aurélien Dumenil, Jean-Noël Albertini and Stéphane Avril, Patient-specific numerical simulation of stent-graft deployment: validation on three clinical cases, *Journal of Biomechanics*, <http://dx.doi.org/10.1016/j.jbiomech.2015.04.031>

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 galley proof before it is published in its final citable 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.

Patient-specific numerical simulation of stent-graft deployment: validation on three clinical cases

David PERRIN^{1,2,3}, Pierre BADEL¹, Laurent ORGEAS^{2,3}, Christian GEINDREAU^{2,3}, Aurélien DUMENIL^{4,5,6},
Jean-Noël ALBERTINI^{7,8}, Stéphane AVRIL¹

¹ Ecole Nationale Supérieure des Mines de Saint-Etienne, CIS-EMSE, CNRS:UMR5307, LGF, F-42023 Saint-Etienne, France

² CNRS, 3SR Lab, F-38000 Grenoble, France

³ Univ. Grenoble Alpes, 3SR Lab, F-38000 Grenoble, France

⁴ INSERM, U1099, F-35000 Rennes, France

⁵ Université de Rennes 1, LTSI, F-35000 Rennes, France

⁶ Therenva, F-35000 Rennes, France

⁷ CHU Hôpital Nord Saint-Etienne, Department of CardioVascular Surgery, Saint-Etienne F-42055, France

⁸ Université Jean Monnet, GRT EA 3065, Saint-Etienne F-42023, France

Corresponding author:

Stéphane Avril

Center for Biomedical and Healthcare Engineering, Ecole Nationale Supérieure des Mines de Saint-Etienne

158 cours Fauriel, CS 62362, 42023 SAINT-ETIENNE CEDEX 2 France

Phone: +33477420188, Fax: +33477499755, Email: avril@emse.fr

Download English Version:

<https://daneshyari.com/en/article/10431398>

Download Persian Version:

<https://daneshyari.com/article/10431398>

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