Accepted Manuscript

4D Flow MRI quantification of blood flow patterns, turbulence and pressure drop in normal and stenotic prosthetic heart valves

Hojin Ha, John-Peder Escobar Kvitting, Petter Dyverfeldt, Tino Ebbers

PII:	S0730-725X(18)30296-0
DOI:	doi:10.1016/j.mri.2018.09.024
Reference:	MRI 9061
To appear in:	Magnetic Resonance Imaging
Received date:	16 July 2018
Revised date:	10 September 2018
Accepted date:	24 September 2018



Please cite this article as: Hojin Ha, John-Peder Escobar Kvitting, Petter Dyverfeldt, Tino Ebbers, 4D Flow MRI quantification of blood flow patterns, turbulence and pressure drop in normal and stenotic prosthetic heart valves. Mri (2018), doi:10.1016/j.mri.2018.09.024

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.

ACCEPTED MANUSCRIPT

4D Flow MRI Quantification of Blood Flow Patterns, Turbulence and Pressure Drop in

Normal and Stenotic Prosthetic Heart Valves

Hojin Ha^{1,2,3*}, John-Peder Escobar Kvitting^{2,3,4}, Petter Dyverfeldt^{2,3}, Tino Ebbers^{2,3}

¹ Department of Mechanical and Biomedical Engineering, Kangwon National University,

Chuncheon, Republic of Korea.

² Division of Cardiovascular Medicine, Department of Medical and Health Sciences,

Linköping University, Linköping, Sweden.

³ Center for Medical Image Science and Visualization (CMIV), Linköping University,

Linköping, Sweden.

⁴ Department of Cardiothoracic Surgery, Oslo University Hospital, Rikshospitalet, Oslo,

Norway.

Corresponding Author: Hojin Ha*

Department of Mechanical and Biomedical Engineering,

Kangwon National University,

Chuncheon, Republic of Korea.

Phone: +82-1092871005

Fax: +82-33-259-5548

E-mail: hojinha@kangwon.ac.kr

Download English Version:

https://daneshyari.com/en/article/11026306

Download Persian Version:

https://daneshyari.com/article/11026306

Daneshyari.com