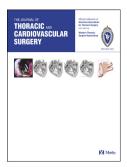
Accepted Manuscript

An Interactive Simulation Tool for Patient-Specific Clinical Decision Support in Single Ventricle Physiology

Timothy Conover, Anthony M. Hlavacek, Francesco Migliavacca, Ethan Kung, Adam Dorfman, Richard S. Figliola, Tain-Yen Hsia, Andrew Taylor, Sachin Khambadkone, Silvia Schievano, Marc de Leval, T.-Y. Hsia, Edward Bove, Adam Dorfman, G. Hamilton Baker, Anthony Hlavacek, Francesco Migliavacca, Giancarlo Pennati, Gabriele Dubini, Alison Marsden, Irene Vignon-Clementel, Richard Figliola, John McGregor



PII: S0022-5223(17)31963-3

DOI: 10.1016/j.jtcvs.2017.09.046

Reference: YMTC 11997

To appear in: The Journal of Thoracic and Cardiovascular Surgery

Received Date: 13 October 2016
Revised Date: 20 August 2017

Accepted Date: 10 September 2017

Please cite this article as: Conover T, Hlavacek AM, Migliavacca F, Kung E, Dorfman A, Figliola RS, Hsia T-Y, for the Modeling Of Congenital Hearts Alliance (MOCHA) Investigators, Taylor A, Khambadkone S, Schievano S, Leval Md, Hsia T-Y, Bove E, Dorfman A, Baker GH, Hlavacek A, Migliavacca F, Pennati G, Dubini G, Marsden A, Vignon-Clementel I, Figliola R, McGregor J, An Interactive Simulation Tool for Patient-Specific Clinical Decision Support in Single Ventricle Physiology, *The Journal of Thoracic and Cardiovascular Surgery* (2017), doi: 10.1016/j.jtcvs.2017.09.046.

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.

| 1 2 | Full Title: | An Interactive Simulation Tool for Patient-Specific Clinical Decision Support in Single Ventricle Physiology |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3 4 5 | Authors: | Timothy Conover ^{1§} , Anthony M Hlavacek ^{2§} , Francesco Migliavacca ³ , Ethan Kung ¹ , Adam Dorfman ⁴ , Richard S Figliola ^{1*} , Tain-Yen Hsia ^{5*} , for the Modeling Of Congenital Hearts Alliance (MOCHA) Investigators |
| 6 | Affiliations: | 1. Clemson University, Clemson, SC, USA, |
| 7 | | 2. Medical University of South Carolina, Charleston, SC, USA, |
| 8 | | 3. Politecnico di Milano, Milan, Italy |
| 9 | | 4. C.S. Mott Children's Hospital, Ann Arbor, MI, USA, |
| 10 11 | | 5. Great Ormond Street Hospital for Children NHS Foundation Trust, London, UK |
| 12 | § co-first auth | nors |
| 13 | * co-senior authors | |
| 14 15 16 17 18 19 20 21 | MOCHA Investigators: Andrew Taylor, Sachin Khambadkone, Silvia Schievano, Marc de Leval, and T-Y Hsia (Institute of Cardiovascular Sciences, London, United Kingdom); Edward Bove, and Adam Dorfman, (University of Michigan, Ann Arbor, MI); G. Hamilton Baker and Anthony Hlavacek (Medical University of South Carolina, Charleston, SC); Francesco Migliavacca, Giancarlo Pennati, and Gabriele Dubini (Politecnico di Milano, Milan, Italy); Alison Marsden, (Stanford University, CA); Irene Vignon-Clementel (National Institute of Research in Informatics and Automation, Paris, France); Richard Figliola and John McGregor (Clemson University, Clemson, SC) | |
| 22 | Total word count: 3783 | |
| 23 | Funding and Conflicts of Interest: | |
| 24 25 | This work received funding support from Leducq Foundation (France). All authors have nothing to disclose regarding possible conflicts of interest. | |
| 26 | Corresponding Author: | |
| 27 28 29 30 31 32 33 34 35 | T-Y Hsia, MD Cardiac Unit 7th Floor, Nurses Home Great Ormond Street Hospital for Children, NHS Trust London, WC1N 3JH U.K. Telephone: +44-(0) 207-813-8159 Email: hsiat@gosh.nhs.uk | |

Download English Version:

https://daneshyari.com/en/article/8671035

Download Persian Version:

https://daneshyari.com/article/8671035

<u>Daneshyari.com</u>