

Accepted Manuscript

Text Mining Applied to Electronic Cardiovascular Procedure Reports to Identify Patients with Trileaflet Aortic Stenosis and Coronary Artery Disease

Aeron M. Small, Daniel H. Kiss, Yevgeny Zlatsin, David L. Birtwell, Heather Williams, Marie A. Guerraty, Yuchi Han, Saif Anwaruddin, John H. Holmes, Julio A. Chirinos, Robert L. Wilensky, Jay Giri, Daniel J. Rader

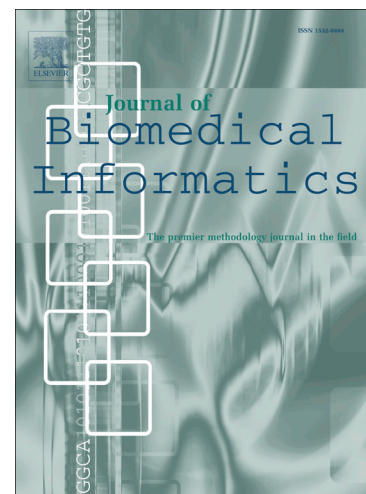
PII: S1532-0464(17)30138-7
DOI: <http://dx.doi.org/10.1016/j.jbi.2017.06.016>
Reference: YJBIN 2812

To appear in: *Journal of Biomedical Informatics*

Received Date: 16 March 2017
Revised Date: 21 May 2017
Accepted Date: 12 June 2017

Please cite this article as: Small, A.M., Kiss, D.H., Zlatsin, Y., Birtwell, D.L., Williams, H., Guerraty, M.A., Han, Y., Anwaruddin, S., Holmes, J.H., Chirinos, J.A., Wilensky, R.L., Giri, J., Rader, D.J., Text Mining Applied to Electronic Cardiovascular Procedure Reports to Identify Patients with Trileaflet Aortic Stenosis and Coronary Artery Disease, *Journal of Biomedical Informatics* (2017), doi: <http://dx.doi.org/10.1016/j.jbi.2017.06.016>

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.



Text Mining Applied to Electronic Cardiovascular Procedure Reports to Identify Patients with Trileaflet Aortic Stenosis and Coronary Artery Disease

Aeron M. Small, BA*¹; Daniel H. Kiss, MD*¹; Yevgeny Zlatsin, MBA²;

David L. Birtwell, MSE³; Heather Williams, MSE³; Marie A. Guerraty, MD PhD¹;

Yuchi Han, MD MSc¹; Saif Anwaruddin MD¹; John H. Holmes, PhD²;

Julio A. Chirinos, MD PhD¹; Robert L. Wilensky, MD¹; Jay Giri, MD MPH¹;

Daniel J. Rader, MD^{1,3,4}

¹ Department of Medicine and Cardiovascular Institute, University of Pennsylvania Perelman School of Medicine, Pennsylvania, USA.

² Institute for Biomedical Informatics, University of Pennsylvania, Philadelphia, Pennsylvania, USA.

³ Institute for Translational Medicine and Therapeutics, University of Pennsylvania Perelman School of Medicine, Philadelphia, Pennsylvania, USA.

⁴ Department of Genetics, University of Pennsylvania Perelman School of Medicine, Pennsylvania, USA.

* These authors have contributed equally

Address for Correspondence:

Daniel J. Rader, MD
Perelman School of Medicine
University of Pennsylvania
11-125 Smilow Center for Translational Research
3400 Civic Center Blvd
Philadelphia, PA 19104-5158

Word Count: 3,306

Journal Subject Terms: Valvular Heart Disease; Coronary Artery Disease; Text Mining; Administrative and Billing Codes

Download English Version:

<https://daneshyari.com/en/article/4966779>

Download Persian Version:

<https://daneshyari.com/article/4966779>

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