Accepted Manuscript

A novel PF4-dependent platelet activation assay identifies patients likely to have heparin-induced thrombocytopenia/thrombosis (HIT)

Anand Padmanabhan, MD PhD, Curtis G. Jones, BS, Brian R. Curtis, PhD, Daniel W. Bougie, PhD, Mia J. Sullivan, BS, Namrata Peswani, MD, Janice G. McFarland, MD, Daniel Eastwood, MS, Demin Wang, PhD, Richard H. Aster, MD

PII: S0012-3692(16)01260-5

DOI: 10.1016/j.chest.2016.02.641

Reference: CHEST 318

To appear in: CHEST

Received Date: 16 September 2015

Revised Date: 12 January 2016

Accepted Date: 3 February 2016

Please cite this article as: Padmanabhan A, Jones CG, Curtis BR, Bougie DW, Sullivan MJ, Peswani N, McFarland JG, Eastwood D, Wang D, Aster RH, A novel PF4-dependent platelet activation assay identifies patients likely to have heparin-induced thrombocytopenia/thrombosis (HIT), *CHEST* (2016), doi: 10.1016/j.chest.2016.02.641.

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.



Word Count: Abstract (246); Text (2917)

Title: A novel PF4-dependent platelet activation assay identifies patients likely to have heparin-induced thrombocytopenia/thrombosis (HIT)

Short running title: PF4-dependent platelet activation assay for HIT

Anand Padmanabhan MD PhD^{1,2,3}, Curtis G. Jones BS¹, Brian R. Curtis PhD^{2,4}, Daniel W. Bougie PhD², Mia J. Sullivan BS⁴, Namrata Peswani MD⁵, Janice G. McFarland MD^{4,5}, Daniel Eastwood MS⁶, Demin Wang PhD^{2,7} and Richard H. Aster MD^{2,5} From the Medical Sciences Institute¹, Blood Research Institute², and Platelet and Neutrophil Immunology Laboratory⁴, BloodCenter of Wisconsin, Milwaukee, WI, and Department of Pathology³, Medicine⁵, Biostatistics⁶ and Microbiology & Molecular Genetics⁷, Medical College of Wisconsin, Milwaukee, WI

Corresponding Author:

Anand Padmanabhan, MD PhD

BloodCenter of Wisconsin

8733 Watertown Plank Road

Milwaukee, WI 53226-3548

Email: <u>Anand.Padmanabhan@bcw.edu</u>

Abbreviations used: SRA=Serotonin release assay; PEA= PF4-dependent p-selectin expression assay; PF4 ELISA= IgG heparin (or polyvinyl sulfonate):PF4 Enzyme-linked immunosorbent assay; HDH= High Dose Heparin; ROC= Receiver operating characteristic; AUC=Area under the curve; OD=optical density; NS- not significant Guarantor Download English Version:

https://daneshyari.com/en/article/5600558

Download Persian Version:

https://daneshyari.com/article/5600558

Daneshyari.com