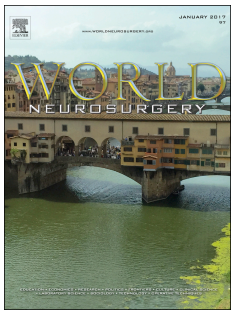
Accepted Manuscript



Use of Pipeline Endovascular Device in Patients with Nickel Allergies

Daniel A. Tonetti, M.D., Jennifer L. Perez, Ph.D., Alp Ozpinar, M.D., Benjamin Zussman, M.D., Bradley A. Gross, M.D., Brian T. Jankowitz, M.D.

PII: S1878-8750(18)32087-4

DOI: 10.1016/j.wneu.2018.09.041

Reference: WNEU 10246

To appear in: *World Neurosurgery*

Received Date: 10 August 2018

Revised Date: 4 September 2018

Accepted Date: 6 September 2018

Please cite this article as: Tonetti DA, Perez JL, Ozpinar A, Zussman B, Gross BA, Jankowitz BT, Use of Pipeline Endovascular Device in Patients with Nickel Allergies, *World Neurosurgery* (2018), doi: https://doi.org/10.1016/j.wneu.2018.09.041.

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

Use of Pipeline Endovascular Device in Patients with Nickel Allergies

DANIEL A. TONETTI M.D.[1], JENNIFER L. PEREZ Ph.D.[1,2], ALP OZPINAR M.D.,[1] BENJAMIN ZUSSMAN M.D.,[1] BRADLEY A. GROSS M.D.,[1] BRIAN T. JANKOWITZ M.D.[1]

The Department of Neurological Surgery[1] and the University of Pittsburgh School of Medicine[2], University of Pittsburgh Medical Center, Pittsburgh PA

Please address correspondence to:
Daniel A. Tonetti, MD
Department of Neurological Surgery
University of Pittsburgh, Suite B-400
UPMC Presbyterian
200 Lothrop St.
Pittsburgh, PA 15213
Tel: 412-647-3685
tonettida@upmc.edu

Keywords: Pipeline endovascular device, aneurysm treatment, nickel allergy, metal allergy

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/11025521

Download Persian Version:

https://daneshyari.com/article/11025521

Daneshyari.com