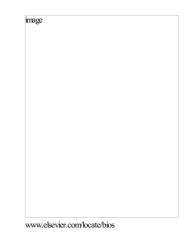
Author's Accepted Manuscript

Meta-Analysis of the Sources of Bleeding after Adult Cardiac Surgery

Fausto Biancari, Eeva-Maija Kinnunen, Tuomas Kiviniemi, Tuomas Tauriainen, Vesa Anttila, Juhani K.E. Airaksinen, Debora Brascia, Francesco Vasques



 PII:
 S1053-0770(17)31009-1

 DOI:
 https://doi.org/10.1053/j.jvca.2017.12.024

 Reference:
 YJCAN4477

To appear in: Journal of Cardiothoracic and Vascular Anesthesia

Cite this article as: Fausto Biancari, Eeva-Maija Kinnunen, Tuomas Kiviniemi, Tuomas Tauriainen, Vesa Anttila, Juhani K.E. Airaksinen, Debora Brascia and Francesco Vasques, Meta-Analysis of the Sources of Bleeding after Adult Cardiac Surgery, *Journal of Cardiothoracic and Vascular Anesthesia*, doi:10.1053/j.jvca.2017.12.024

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 galley proof before it is published in its final citable 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.

Meta-analysis of the Sources of Bleeding after Adult Cardiac Surgery

Short title: Surgical bleeding after cardiac surgery

Fausto Biancari,^{a,b,c} MD, PhD, Eeva-Maija Kinnunen,^b MD, PhD, Tuomas Kiviniemi,^c MD, PhD, Tuomas Tauriainen,^b MS, Vesa Anttila,^c MD, PhD, Juhani K.E. Airaksinen,^c MD, PhD, Debora Brascia,^a MD, and Francesco Vasques,^d MD

^aDepartment of Surgery, University of Turku, Turku, Finland;
^bDepartment of Surgery, University of Oulu, Oulu, Finland;
^cHeart Center, Turku University Hospital and University of Turku, Turku, Finland;
^dDepartment of Anesthesia, Padua University Hospital, Padua, Italy.

Financial support

This research did not receive any specific grant from funding agencies in the public, commercial, or not-forprofit sectors.

For correspondence:

Prof. Fausto Biancari, Heart Center, Turku University Hospital, Hämeentie 11, PL 52, 20521 Turku, Finland Tel.: +358 40 7333 973 E-mail: faustobiancari@yahoo.it

Abstract

Objective: The aim of this study was to pool data on the proportion and prognostic impact of sources of

bleeding in patients requiring reexploration after adult cardiac surgery.

Design: Systematic review of the literature and meta-analysis.

Setting: Multistitutional study.

Measurements and main results: A literature review was performed to identify studies published since 1990 evaluating the outcome after reoperation for bleeding or tamponade after adult cardiac surgery.

Eighteen studies including 51497 patients fulfilled the selection criteria. Reoperation for bleeding/tamponade was performed in 2455 patients (4.6% (95%CI 3.9-5.2%, I^2 92%). These had a significantly higher risk of in-hospital/30-day mortality compared to patients not reoperated for bleeding (pooled rates, 9.3% vs. 2.3%, RR 3.30, 95%CI 2.52-4.32, I^2 47%, 8 studies, 25463 patients). Surgical sites of bleeding were identified in 65.7%

Download English Version:

https://daneshyari.com/en/article/8617590

Download Persian Version:

https://daneshyari.com/article/8617590

Daneshyari.com