

The Early and Late Costs of Bleeding After Cardiac Surgery



Cardiac Surgeons, Norman Briffa ,

INTRO

- Cardiac surgery is an effective but very expensive treatment for the NHS
- Excessive bleeding requiring re-exploration can occur in 4-8% of cases after cardiac operations
- Patients who bleed are more likely to require blood transfusion
- Excessive bleeding often preventable
- Bleeding AND transfusion worsen outcomes after cardiac surgery.
- Effects of bleeding on Cost of Cardiac Surgery not known
- Effect of bleeding on survival after heart surgery not known.

METHODS

- All patients who underwent heart surgery in Sheffield over the past 15 years divided into 3 groups
 - Group 1 - Patients who required early re-sternotomy due to bleeding identified
 - Patients who did not require re-sternotomy divided into lower (group 2) and upper tertiles (group 3) of volume of shed blood.
- Groups are Propensity Matched
- Early Mortality and Survival compared
- Early Morbidity & Hospital Costs Compared

DISCUSSION

- All patients bleed after major surgery
- Consequences of bleeding are far reaching and long lasting
- Measures to control bleeding saves lives and makes Heart Surgery more Cost-Effective

References

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What are the Early & Long Term Effects on morbidity & Survival, of

BLEEDING  **After Heart** 

Surgery? Does Bleeding make Heart

Surgery less Cost-Effective  ?



Tel: 07850434619

N.Briffa@sheffield.ac.uk

