Measuring Success Without an Electronic Perfusion Record

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No Conflict of Interest
Working on Quality Improvement

“I have no electronic perfusion record”
“I have no electronic perfusion record”

Options:

FileMaker Platform

FileMaker Pro

FileMaker Pro Advanced

Microsoft Access 2016

Google Spreadsheets

Apache OpenOffice

Spread2

dBase
I just wish people would stop quoting me and think for themselves.

- Albert Einstein
Standard 13: Quality Assurance and Improvement

Standard 13.1: The perfusionist shall actively participate in both institutional and departmental quality assurance and improvement programs.

Guideline 13.1: The perfusionist should collect data concerning the conduct of perfusion through a clinical registry or database.

Guideline 13.2: The perfusionist should use such data for quality assurance and improvement projects.\textsuperscript{17,18}


Ask yourself a few questions

- Why do you want the data?
  - I want to know what my rate of blood transfusions is
  - I want to know how many of my patients develop AKI, and why
  - I want to know...
From one question, derive the data points

- I want to know the rate of blood transfusions?

For all my patients going on CPB, I want to know how many blood products (units RBC) they got administered, and if it is the prime volume, or the patients' preoperative hematocrit, that determines if they get blood or not.

- prime volume
- blood products
- procedure
- hct preop
- hct 1st on bypass
Special Report

Report from AmSECT’s International Consortium for Evidence-Based Perfusion Consensus Statement: Minimal Criteria for Reporting Cardiopulmonary Bypass-Related Contributions to Red Blood Cell Transfusions Associated With Adult Cardiac Surgery

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<table>
<thead>
<tr>
<th>Avg Prime</th>
<th>Avg Hct Pre Pump</th>
<th>Avg 1st Hct</th>
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<tbody>
<tr>
<td>0 RBC</td>
<td>1043,4</td>
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</table>
Take Home Messages

- Try to get an EPR
- ASK yourself WHY?
- ASK yourself WHAT do I want to get out of it?
- Keep it simple (but not too simple)
- (don’t pull out statistics in a room full of smart a**es)