

Poster Session
HRT1317 –Innovation Awards
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Improving Economic Accountability for
Blood Products – TPCH Experience
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Drivers of Change

- ▶ **2010** QLD Health program to investigate:
“The appropriate use of blood products”
- ▶ **2011** Cost of fresh blood products devolved
QLD pub hospitals pay for 37% of total cost
- ▶ **2011/12** TPCH Cardiac Surgery Program
blood product costs was \$1.8 million
- ▶ **2011** NBA guidelines/recommendation
→use of POCT in adult cardiac surgery

Aim & Strategy of Our Innovation

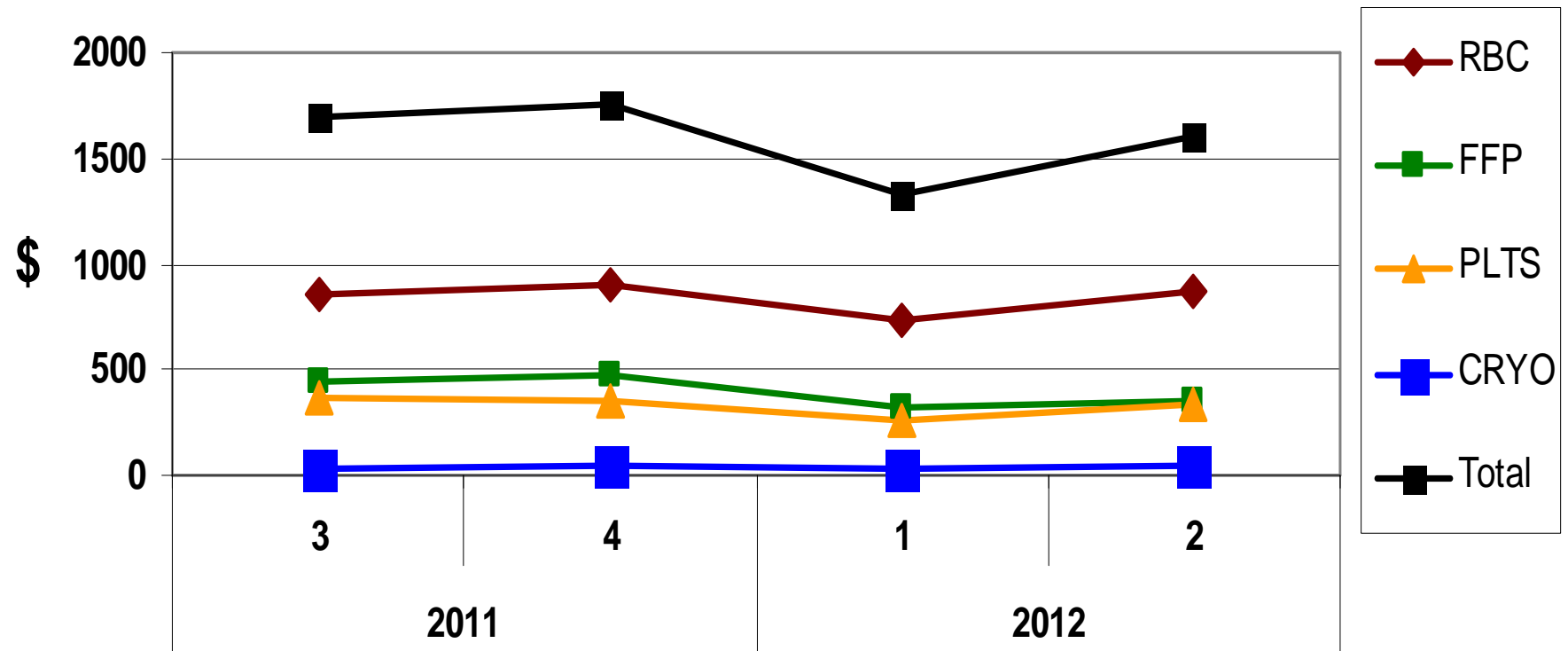
Aim: To develop strategies to improve financial accountability for blood product costs

Identified problem: Absence of timely information to guide effective blood product utilisation

Strategy: Implement point of care testing (POCT) for haemostasis to provide timely results to direct more appropriate use of blood products.

Pre-POCT (baseline) Data

Mean Blood Product Cost Per Patient by Quarter (July 2011 - June 2012)



Implementation of POCT Coagulation Assessment

Securing SEED funding for

- ▶ Project Leader
- ▶ Consumables

Ensuring stakeholder involvement

- ▶ Cardiac surgeons
- ▶ Anesthetic techs/ICU Nurses (key operators)
- ▶ Key interpreters / users of results
 - ▶ Cardiac Surgeons
 - ▶ Anesthetists
 - ▶ ICU team (post-op care)
- ▶ Haematologists/Scientists/Blood Bank
- ▶ Program & Business managers

Acquiring and installing instruments

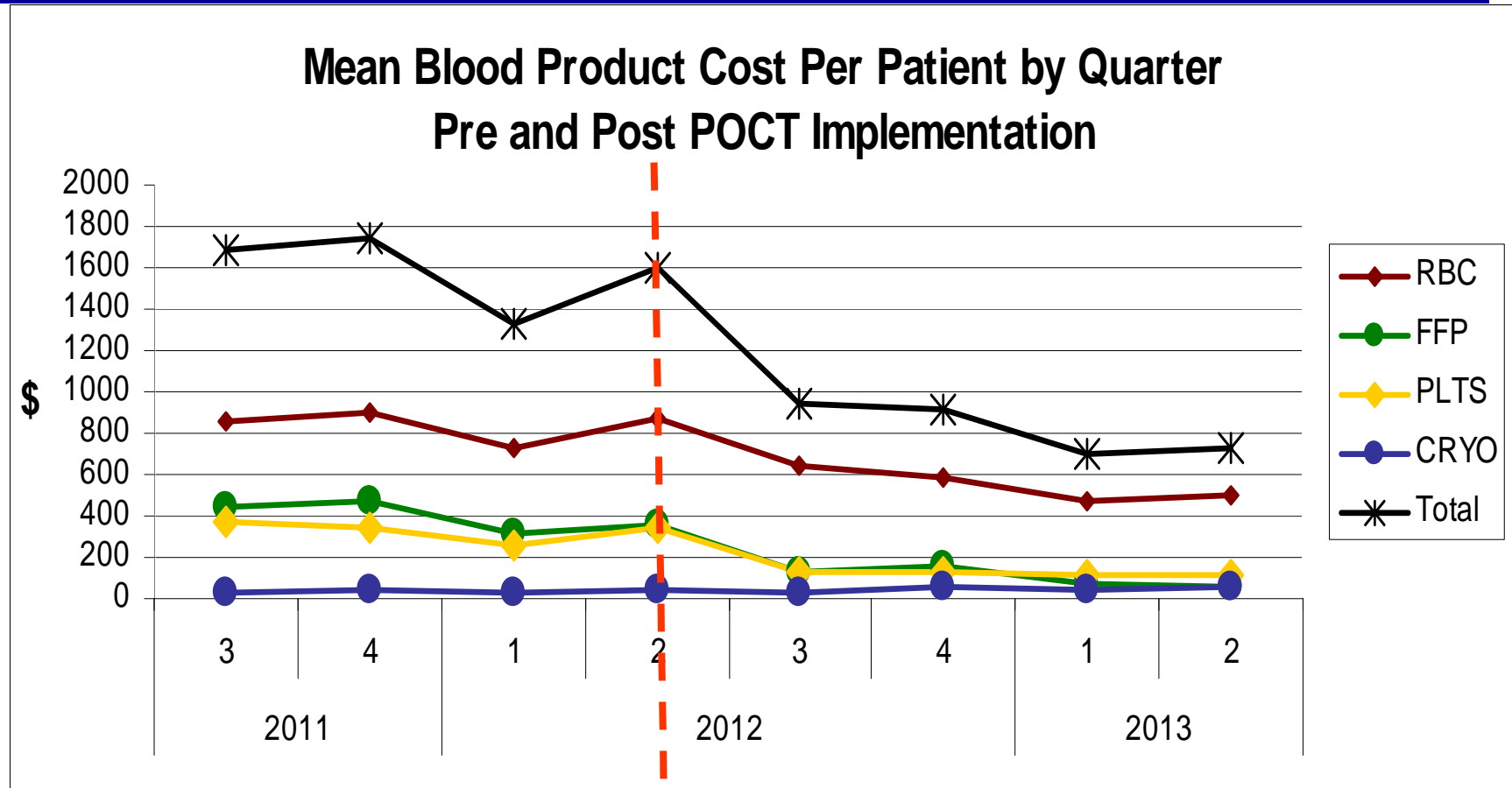
Cost of Implementation

SEED Grant

- ▶ Project Leader (Clin Nurse Consultant – 1 Year)
- ▶ Key roles:
 - Lead
 - Educate
 - Facilitate
- ▶ ROTEM \$ 35 000
- ▶ Multiplate \$ 25 000
- ▶ POCT cost ~ Standard coags / FBC



Outcomes



Pre - POCT

Post-POCT

Blood cost/patient \$1655

\$770

12mth Blood costs \$1,824,043

\$863,170

Lessons from this project

- ▶ Find & Empower an EFFECTIVE Project Leader
- ▶ Have a PRACTICAL solution/strategy
- ▶ Start SMALL
 - with a pilot/seed study
- ▶ Engagement
 - Get ALL stakeholders involved
 - They may be “cool” about idea at the start
- ▶ Endurance → KEEP ALL stakeholders involved ALL thorough the process

