Better Blood Transfusion Programme

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BACKGROUND

MEL 1999 (9):- ‘Every NHS Trust where blood is transfused should:

‘have an adequately resourced, multi-disciplinary HTC’

‘participate in the annual SHOT enquiry’

‘have agreed and disseminated local protocols for blood transfusion based on guidelines for best national practice and supported by in house training’

NHS HD L(2003)19. launched the Programme in Scotland in May 2003
Target completion is March 2006 based on objectives of achieving...

SAFER TRANSFUSION

- evidenced by increased ‘near misses’ and reduced ‘incidents’

10% REDUCTION IN USAGE OF RED CELLS

- through effective use - right product / right reason / right time
- through efficient use - right ordering / right storage / right delivery
YEAR 1 OBJECTIVES...

SAFER TRANSFUSION

• establish ‘supported’ and ‘self directed’ learning across Scotland

10% REDUCTION IN USAGE OF RED CELLS

• develop and deliver reporting for sites representing >50% of NHS Scotland blood component usage
SAFE PRACTICE

EFFECTIVE PRACTICE

EFFICIENT PRACTICE
Ensure all blood products are ADMINISTERED CORRECTLY and according to SAFE STANDARD PROCEDURES.
Ensure that the control of blood or related products is managed in such a way as to MAXIMISE THE BENEFIT AND MINIMISE WASTAGE
Based on ensuring that the RISK to the patient OF NOT TRANSFUSING is GREATER than the RISK OF TRANSFUSING.
ROLE OF THE TRANSFUSION PRACTITIONER

Transfusion Practitioner is central to the delivery of the Programme

The key deliverables of the Transfusion Practitioner are to;

- promote the safe and efficient use of blood components and plasma derivatives by improving standards of care

- implement and evaluate clinical practice developments and audit & research activities
ROLE OF THE LEAD PERSON

• Support the overall BBTx Programme aims and objectives

• Provide local Trust / Hospital site support for the Transfusion Practitioner

• Ensure there is a local Transfusion Committee functioning effectively

• Support Programme Director and dedicate time to review progress locally
ROLE OF THE EUB TEAM

- Support the Transfusion Practitioner on Day 1+ in post
- Deliver a 20 session Transfusion Practice induction programme
- Guide establishment of the early phase of programme activities
- Provide day to day coaching and mentoring
TRANSFUSION PRACTITIONER RECRUITMENT

Transfusion Practitioner role is central to the delivery of the Programme

- 59 applications received
  - 35 high calibre candidates interviewed
    - 18 candidates offered posts
      - 17 of 18 will be in situ by 1st week of October
HOW THE PROGRAMME COULD OPERATE LOCALLY

Trust Strategy
‘Projects & Benefits’

Hospital Strategy
‘Projects & Benefits’

Hospital Implementation

Trust Lead Person
Trust Lead Team

Hospital Lead Person

Hospitals Transfusion Committee

Transfusion Practitioner

Hospital Blood Bank Consultant
Hospital Haematology Consultant
Practice Development
Clinical & Medical Teams

Data Extraction
Audit & Research
Education Programme
Review & assess practice

SNBTS Clinical Director

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PROGRAMME ESTABLISHMENT

TIMELINES 2003 / 2004

2003
Oct  Nov  Dec

Transfusion Practitioner - Induction Sessions

Education Materials - Promote and Support Learning Groups & Self Directed Learners

Data Based Evidence - Extract processes developed / tested / implemented

Programme Management - Planning / Reporting / Communications

2004
Jan  Feb

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TRANSFUSION PRACTITIONER DELIVERY 2003/2004

BASELINING

Training Needs Assessments - Transfusion Practice.
Blood Ordering Review e.g. MSBOS
Protocols / Guidelines Reviews -
SHOT Initiative - Guidelines Reviews

DELIVERING

Training & Education delivery
Blood Use Initiatives - Local Trust / Site specific
Best Practice Development - Pan Scotland standards
Best Practice Development - Pan Scotland standards

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SAFE TRANSFUSION PRACTICE MATERIALS

- Material has been revised to reflect current knowledge
- E-learning site is currently being developed
- Accessible for Transfusion Practitioners delivering training
- ‘Link-In’ virtual community for health care professionals
- Competency based ‘National’ Best Transfusion Practice training programme is being considered
SUPPLY DATA
By Trust / Hospital
By Product Supplied
For Issues / Returns

PRODUCT DATA
Ordering Mechanisms
Stock levels in the hospital
Transportation & Storage
‘Final Fate’ of Product

PATIENT DATA
Diagnosis
Product Used
Application
Consultant

EVIDENCE BASED CHANGE - INFORMATION STRUCTURE

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DELIVERY OF DATA BASED EVIDENCE

• Core data set being finalised

• Investigating data systems and databases within hospitals

• Reviewing opportunities to leverage off existing data channels

• IT Consultants engaged around solution architecture / build
FORECAST FOR TRANSFUSION SCOTLAND IN 2006

• Protocols and guidelines to nationally approved standards
• Accredited Learning Programme implemented
• Networked transfusion expertise - accessible globally
• Automated data outputs for transfusion practice overview
• Transfusion practice statistics available for international comparison
• 10% reduction in Red Cell usage
• Safer Transfusion practiced across NHS Scotland