

Blood Stocks Management at Maidstone Hospital

Improving Stock Management

Maidstone Hospital

- Average District General Hospital:
 - Emergency Services
 - General Surgery & Medicine
 - Vascular Surgery
 - ITU & CCU
 - Orthopaedic Unit
 - Oncology Centre (specialist cancer surgery)

Workload and Staffing Levels

Approximate figures per annum:

- 12,000 Group & save requests
- 6,000 Antenatal Groups
- 4,000 Crossmatch requests
- 8,600 units RBC's used
- 700 A.D. Platelets
- 700 (150mls) FFP

Workload and Staffing Levels

- Blood Bank Manager
- BMS 2**
- BMS 1***
- BMS 1
- (trainee) BMS

Extra help- BMS staff difficult to recruit-

- **evening BMS 2**** (9 hours / AN groups)
- **MLA**



Blood Stocks Management Scheme

How best can we handle this??

Blood Stocks Management Scheme

- Changed MLA job description to include responsibility for the blood
- Applied for upgrade to senior ATO to try to reflect increased responsibility

(cost:approximately £2,200)

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This has worked so well for us in Maidstone that we we decided to enter Judith's competition.....

In these high tech days of automation, robotics and information technology, our innovation is human!

Let me introduce you to: Vanessa

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Vanessa's duties include:

- Routine and special blood stock orders
- Receiving blood deliveries, computer entry
- Temperature monitoring and recording
- Stock rotation (including emergency ORhD negative, irradiated blood stocks)
- General blood stocks monitoring (short dated)

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- Labelling crossmatched blood
- Dereserving crossmatched blood
- Monitoring all stock movements between Blood Banks (uncertain pathway of any unit is investigated fully and brought to the attention of scientific staff)
- Filing collection slips, checking 'time out of fridge' (30 minute rule)

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Cost effectiveness?

Many other duties:

- telephone duties - most calls
- specimen reception - work flow
- request entry on laboratory computer
- audit - e.g. Trail of blood units in Theatres

Audit Trail of Blood in Theatres

- The aim of this audit was to monitor compliance with the guidelines* on the collection of blood from the hospital blood bank with special reference to theatres

However, the following was also noted:

- 141 requests crossmatched
- 120 operations performed (21 cancelled!)
- 48 cases transfused (inc. post operatively)

*BCSH Guidelines for the administration of blood and blood components Trans. Med. (1999) 9, 227-238

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Simplicity?

- Straight forward to make a business plan

Ease of Use?

- Nothing easy about this job but Vanessa makes it easy for us!

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- However, having the right person is paramount for this to work
- Vanessa takes great pride in her job, treating every drop as her own
- She works across staff disciplines, promoting good relations between departments (theatres, portering staff and transfusion practitioner).





Improving Blood Stocks Management

Vital

Appropriate

kNnowledge

Empowers

Stock

Analysis

As a bonus....

- Vanessa is
 - fun to have around
 - keeps our feet on the ground
 - makes very good carrot cake
- Every lab should have one!
- (but please, not ours!)