

Meeting Hospitals needs in major haemorrhage incidents

Presented by

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Introduction to Hospital Services

- Hospital Services is the Function of the NHSBT responsible for the storage and supply of blood and blood products to Hospitals in England and part of Wales
- It is the Hospital Services Manager's responsibility to ensure Hospitals receive what they want when they want it

NHSBT Involvement in Major Haemorrhage

- When major Haemorrhage incidents occur NHSBT can provide support in 2 broad ways
- Resupplying the hospital blood banks stock
- Supplying blood with specific characteristics

- Hospital Services interfaces with hospital transfusion labs
- We generally become aware of a Major Haemorrhage incident when we receive an urgent request for blood and/or blood products

Introduction

- Will give an overview of what our stock levels are both nationally and at NHSBT Newcastle
- Detail how we can get blood and blood products to hospitals quickly
- And if needed how we can move blood and blood products into NHSBT Newcastle from other centres

National Stock RBC

- Target stock level is 40,000 units
- Or 6.8 days
- Ideally the split of groups is the same as the national demographics but in reality is often skewed
- Over the last 6 month stock levels have varied between 37,141 and 62,520

National Stocks

- Our stock levels are dependent on the goodwill of our donors but are sometimes influenced by external factors
- We built up stocks for the Olympics
- And did a similar exercise for the threatened flu pandemic in 2010

Local stocks Frozen Products

- Generally NHSBT keeps large stocks of FFP and Cryo
- Currently 1493 FFP and 523 pooled cryo
- Hold much lower stocks of Methylene blue treated frozen product

Local Stocks Platelets

Platelet stocks are a little volatile and can vary significantly on a day to basis.

Current stocks 09/11/12

O+ 12 A+ 11 B+ 7 AB+ 4

O- 2 A- 8 B- 2 AB- 1

Stocks turn over quickly we produce between 40 and 60 ATD per day

Local Stock RBC

- Stocks are managed nationally to try and ensure all parts of the country have a similar age profile
- 09/11/12 8.34 days
- O+ 1122 A+ 850 B+ 152 AB+ 78
- O- 189 A- 131 B- 37 AB- 23

Local Stocks RBC

- We not have many problems meeting hospital needs for large numbers of standard ABO blood
- Sadly not all needs are simple, requirements for CMV Phenotyping sickle neg etc reduce the amount of compatible stock we have available

Units with additional testing

At 29/10/12

• O pos	1463
• O pos CMV-	334
• O pos CMV- HT- K-	263
• O pos CMV- HT- K-Fya-	9
• O pos CMV- K- HBs-	36
• A pos CMV- K- HBs -	10
• O pos CMV- K- Fya- HBs-	3

Units with additional testing 2

Our ability to supply large quantities of blood drops significantly as requests become more specific and can often reach the point where we would have to import from other NHSBT sites

Importing products from other sites

If we cannot supply an order for blood or blood products from local stocks NHSBT has facilities to move these products from other sites

We have Duty Hospital Service Managers on call to facilitate these movements

In an emergency a Blue light driver can be used to move products between site or direct to a hospital

Nearest centres to Newcastle are

Leeds approx 1H 40 min

Sheffield 1H 50 min

Manchester 3 H

Additional Phenotype information

- Only confirmed Phenotyped results are printed on bloodpacks.
- There is a significant amount of unconfirmed results, this information can be accessed by those hospitals that receive electronic dispatch notes

Blue Light deliveries

- If a hospital requires blood urgently we have a blue light option
- Staff will give immediate priority to this order
- And will be delivered whenever possible by one of our trained drivers
- We need consultant approval for these deliveries as use of Blue lights represents a risk to other road users
- SLA gives deliveries times, we aim for ASAP

Emergency Collects

Our response is similar to a blue light order, we give it immediate priority but transport is provided by the hospital who placed the order.

Generally these orders are collected by taxi's

Cancelling Orders

- Currently the cut off point for cancelling an order is when our driver hands over a box to a Hospital up to this point we are able to return product to our stocks.

You can change the status of an order whilst it is been prepared or delivered and order can be upgraded to a blue light/ emergency collect or downgraded to an ad hoc

How You Can Help Us Help you

- Tell us if you think you will need more products
- We only have limited Blue light drivers use them well
- If you can switch from O neg, soon is best

How can we met your needs better

Over to you