Welcome

- Mute your microphone To ensure no disruptions
- Turn off your video This could affect your connection to the meeting
- If you have a question, when prompted please "Raise your hand" or write in the conversation

The RTC is delighted to present its second West Midlands Virtual Conference



Chaired by Dr Suzy Morton, Consultant Haematologist (NHSBT/UHB) - between 12:00 - 13:30

"The Trial and Evidence To Date" Presented by:-Dr Lise Estcourt Clinical Trials Director (NHSBT) & "The Practicalities of Setting up a National Convalescent Plasma Programme" Presented by:-Lisa Adams – Area Manager for CP sites & Alison Sivyer – Lead Apheresis Specialist Nurse



The trial and evidence to date. Convalescent Plasma

Dr Lise Estcourt – Clinical trials director NHSBT

Caring Expert Quality



Convalescent Plasma

Alison Sivyer – Apheresis Specialist Nurse

Lisa Adams – Area Manager (North)

Caring Expert Quality

Convalescent Plasma



- Antibody rich plasma from someone who has recovered from an infection
- Transfused into someone who is struggling to develop their own immune response
- The neutralising antibodies can stop the virus invading more cells

- Has been used before but never been a full clinical trial
- Collected via apheresis
- At Donor Centres only





Phase 1- April 2020

The initial aims were to supply ~4,000 units of plasma for two clinical trials (REMAP-CAP and RECOVERY), while simultaneously scaling up collection, production and supply of CP to hospitals – prepare for widespread use





Phase 1 - Workstreams





Phase 2 – August 2020

The aim of phase 2 – sustainability and to to build additional capacity to collect during a potantial second wave

Maximise stock and collection capacity

Maximise on donor pool in a second wave

Supply high titre units for trials

Avoid any negative impact on other blood components



Phase 2 - Workstreams





Donor Experience

- Availability of potential donors
- Collaboration to increase potential donor base
 - PHE, symptom tracker app
- Web form
- NCC
 - Inbound and outbound booking appointments
- Retention
 - Returning high titre donors



Which donors?

NHS Blood and Transplant



Huge thanks to Kevin who looked after me and the wonderful @NHSBT team who are working so hard to gather the convalescent plasma full of antibodies.



Dr Alessandro Giardini Plasma donor and consultant BBC NEWS





June >10k donors on Donor Base



Collections

- W/C 20 April first CP collected via apheresis
- By 18 May all existing 23 Donor Centres were collecting CP & >1000 units collected
- Existing 23 Donor Centres expanded
 - Additional apheresis machines
 - WB moved out in some
 - Extra hours/days in some
- Existing NHSBT Estate converted (x3)
- New Donor Centres in London (x3)





Staff

Staff Recruitment



- Training
- New Staff furloughed staff going back, no longer 'fast-track' training - becoming BAU
- August planning for phase 2





Samples First - August

- Some plasma donors asked to attend
 - Eligibility to donate assessed
 - Veins assessed
- Sample tested and only donors with high antibody levels invited to return for a full donation





Which donors for samples first

- Men who have had a positive test booked in for donation
- Men who have had symptoms and women who have had a positive test booked in for a sample first
- Women who have symptoms but not had a positive test will not be invited as very unlikely to have high enough antibody levels



NHS Blood and Transplant

Bexley Heath - June







Stratford Westfield - July











Phase 2 - 14 New Centres



Total – 43 centres



Warehouse & stock

New equipment & validation









¢









In-house Antibody testing



Originally antibody testing took place in PHE labs and the University of Oxford. In June 2020 we brough CP Covid19 antibody testing in-house.

This took an amazing five weeks from decision to delivery!!!

This was a terrific achievement by a very small team of SMEs and operational leads. Implementation of new donation testing systems usually takes between three and six months, this has took just five weeks, and with the additional challenge of a lot of the work having to be carried out remotely.



Equipment validation and Quality monitoring





Scinomed blood processing solutions NHSBT needs to be confident that our blood products are fit for purpose. In order to do so, products need to remain within the specified limits. Introducing new equipment means a full validation programme to ensure they are working as expected.

Furthermore, NHSBT must ensure that donors remain in good health. This is achieved by sampling and testing a range of invaluable health indicators.

For this project we introduced a new protein testing system allowing an update to our procedures meaning Donors could now donate as frequently as every 7 days.



Manufacturing and Logistics convalescent plasma film





https://web.microsoftstream.com/video/4080dbac-d75e-4b68-9647-ac9ab4bf5c78



Thank you for listening



Thank you

On behalf of the West Midlands Regional Transfusion Committee



