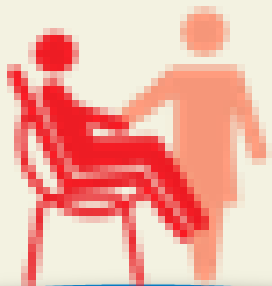


Patient Story: Pre-deposit Autologous Donation (PAD) Blood Donation

Rising to the Challenge



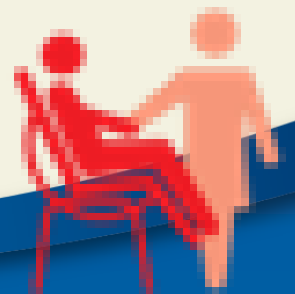
NHSBT Board 30th July 2024

Rebekah Holiday, Regional Matron Care Quality (BS)

Ella Poppitt, Chief Nurse (BS)

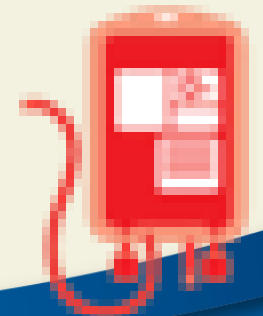
The ask -

- ❖ 46-year-old patient with multiple myeloma due to undergo autologous stem cell transplant
- ❖ Extremely rare blood type (-D-) with no compatible donors or frozen units; potential donors/donations overseas but not a realistic option at the time. Explored sibling donation – no match.
- ❖ Patient was well and NHSBT was approached to consider PAD: 1 or 2 units to be frozen for future treatment.
- ❖ Patient wouldn't meet the donor selection criteria – myeloma, previously transfused + evidence of past HBV infection.
- ❖ Existing processes for PAD require revision; multiple deviations from current process in many different areas
- ❖ Late information: patient donated once in 2017 and was permanently excluded (past HBV infection)



Challenges

- Bespoke screening (DSC Questions not appropriate) & consent
- Adherence to BSQR requirements for PAD
- Patient specific bespoke PDV required
- Multiple deviations to current processes for Session Staff
- Donor safety and potential severity of adverse event – location and clinical support
- Donation to be segregated & assurance that donation would not enter blood supply chain
- Testing expected to generate biohazard
- Frozen storage period and review



Plan and Process

- Change Control: Risk Assessment & Change Plan
- Clinical Risk Assessment
- PDV for blood collection
- Training for blood collection staff to PDV
- Operational challenges for session management and collection of donation on hospital site
- FBC, separate medical assessment (Donor Med Cons), bespoke consent + DSC
- Comms at each stage
- Database amendments to allow freezing/validation



Outcome & Future

- Successful whole blood donation in March 2024
- Clinic assessment 28/03/24 to proceed with collection of 2nd whole blood donation mid-April 2024
- Audit trail retained (testing results)
- Frozen Red Cells; compatible with hospital LIMS; review in 6 months' time
- Organisational fit- BD?
- Unique: Donor and patient (vein to vein)
- Revision of SOP and MPD
- Abstract for the British Blood Transfusion Society Annual Conference Sept 2024
- Presentation at NHSBT Nursing Conference Nov 2024

