

A very large FMH

The Baby

- Day 1. 17.08 Baby born at 37 weeks by caesarian section
At delivery noted to be pale and floppy
- Taken to Baby unit
1 hr later Hb=3.9 hct = 0.117 plts=81
Nucleated rec cells =26.1%
- Blood group: O Pos
Neonatal RBC (O Pos) x-matched with maternal plasma.
Issued at 19:45.
2nd unit (same donation) issued at 20.30

The Mother

- Day 1 17.08 Delivered by Caesarian.
Blood group : O Negative
Ab screen: Neg (P28 not detectable)
- 22:00 500iu anti-D issued. Cord sample
from Kleihauer O Pos
- Day 2 08.30 Clinicians phoning for
Kleihauer result. Stains started on early
shift. After looking at 1st slide BMS called
Senior.

The Kleihauer Stain

- Day 2 Looks like a massive FMH.
Delivery sample sent for Flow Cytometry and fresh sample requested to confirm it is from the correct patient and informed ward the patient may have had a large FMH. Confirmed patient would be in the hospital for next few days.
- Quantitation undertaken on slide while awaiting fresh sample and flow results.
- AE result= 96mls
Fresh sample confirms it is the correct patient

Flow Cytometry

Day 2 Results 89mls.

Calculation: 11125 iu anti-D required.

500iu already given

8 X 1500 iu injections = 12000

Discussion with midwives how best to administer

Decided split into 2 days

Anti-D immunoglobulin

- Day1 500iu issued
- Day 2 4 X 1500 iu issued.
- Day 3 4 X 1500 iu issued
- Day 6 72hr post –injection follow-up
Kleihauer stain - Negative .
Anti-D detectable in circulation

OUTCOME

- Baby- Post Tx Hb= 9.8 at Day 2
No further Tx Hb = 11.9 at Day 7
- Went home Day 10
- Mother went home Day 4