

South West Regional Transfusion Committee : Transfusion Matters, 4th October 2023
Questions for the Maternity / Anti-D Session:

Which antibodies are more clinically significant? IgG or IgM?

IgG

IgM

Both

What temperature (generally) do IgG antibodies work optimally at?

4°C

22-25°C

37°C

45°C

Can IgM antibodies can cross the placenta?

Yes

No

Are ABO antibodies IgG, IgM or both?

IgG

IgM

Both

ABO HDFN is worse in which maternal blood group A, B, AB or O?

A

B

AB

O

Are A and B antigen fully developed at birth?

Yes

No

Are all other antigens present on the fetus/at birth?

Yes

No

Anti-K suppress erythropoiesis rather than removing/haemolysing fetal red cells?

True

False

Paternal phenotyping is an important part of management where anti-K is detected?

True

False

Are titres a reliable way of assessing severity of HDFN due to anti-K?

Yes

No

Which one of the following concentrations for anti-D (iu/ml) is high risk for HDFN?

>15 >4 >7.5 Don't know

At what concentrations do prophylactic anti-D reach?

0 0.2 >4 >10 Don't know

Which one of the following concentrations for anti-c (iu/ml) is high risk for HDFN?

>4 >15 >20 Don't know

When (immune) anti-D is detected during pregnancy, how often should the patient have samples referred?

Booking, 28 weeks, Every 4 weeks till 28 Only when the
34 weeks weeks, then every 2 weeks level is >4 IU/ml

Which antibodies are quantified (iu/ml), instead of titred?

Fya/b c K D E

From what gestation is a Kleihauer needed to assess potential fetal bleed?

From booking bloods From 20 weeks Any sensitising event, regardless of gestation 3rd trimester only

An RhD positive pregnant patient attends ED with abdo trauma and PV bleeding, should a Kleihauer test be performed?

Yes No

Do all hospitals in the UK have the same size dose of Prophylactic anti-D?

Yes No

An RhD negative patient, 29 weeks pregnant, had PAD at 28 weeks. Now had a PV bleed. Does she need another dose a few days after her 28/40 dose?

Yes No

Which combinations of antibodies does anti-G look like?

C+D c+e D+E Don't know