RhD Negative Pregnant Women & RhD Immunoglobulin-VF: Anti-D Prophylaxis Pathway in the Community

NB: Pathway assumes ≥6 weeks gestation, no pre-existing Anti-D antibodies and is written for use by a GP or shared maternity care affiliate.

**Routine Prophylaxis Pathway**

**All Pregnancies Reaching 10 weeks** *(no pre-existing Anti-D antibodies)*
1. GP to order blood group, Rh status and antibodies, atypical IgG red cell antibodies (pathology)*
2. If POSITIVE ANTIBODIES needs URGENT Obstetric Appointment.

**All Pregnancies Reaching 28 weeks** *(no pre-existing Anti-D antibodies)*
1. GP to order
   - Antibody Screen (pathology)*
   - RhD Immunoglobulin-VF(Anti-D) 625 IU from Blood Bank**
2. GP to follow up Antibody Screen result
3. If POSITIVE needs URGENT Obstetric Appointment
4. If NEGATIVE Patient to collect Anti-D from Blood Bank to take to GP for injection***
5. GP to consent, administer & document RhD Immunoglobulin-VF(Anti-D) 625 IU****

**All Pregnancies Reaching 34-36 weeks** *(no pre-existing Anti-D antibodies)*
1. GP to confirm previous Antibody Screens NEGATIVE (28 weeks/sensitisation events)
2. GP to order RhD Immunoglobulin-VF(Anti-D) 625 IU from Blood Bank**
3. Patient to collect Anti-D from Blood Bank to take to GP for injection***
4. GP to consent, administer & document RhD Immunoglobulin-VF(Anti-D) 625 IU****

**All Deliveries** *(no pre-existing Anti-D antibodies)*
1. Hospital to collect Maternal Blood: Antibody Screen and Kleihauer
2. Hospital to collect Cord Blood: Group and Coombs
3. If infant RhD positive give RhD Immunoglobulin-VF(Anti-D)625 IU (or WinRho SDF) to mother depending on Kleihauer results. Additional doses may be needed.

*Pathology forms requesting Antibody Screen can be sent to any provider but not to Dorevitch at Frankston Hospital (no collection on site).

**Blood Bank** will accept requests for Anti-D on any pathology form but form MUST state
- Name & DOB
- Gestation
- If mother has had Anti-D during the pregnancy (date, time and dose)

***Anti-D ideally stored at 2° - 8°C. Do not freeze. Protect from light. Patient Information You and Your Baby: Important information for Rh (D) negative women available at Australian Red Cross Blood Service website (below)

****The batch number of every vial of human immunoglobulin administered must be recorded in the patient’s medical history. Preferred document is Peninsula Health Anti-D Patient Consent & Administration Form with copy to be kept in VMR (Victorian Maternity Record).


GP Shared Maternity Care Guidelines - PH GP Liaison Unit February 2014
**RhD Negative Pregnant Women & RhD Immunoglobulin-VF:**
**Anti-D Prophylaxis Pathway in the Community**

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**Sensitising Events Pathway**

Anti-D should be administered as soon as possible after sensitising event ideally within 72 hours. A dose offered within ten days may provide protection.

**First Trimester Sensitising Event (6 – 12 weeks)**

Complete miscarriage with or without instrumentation; termination of pregnancy; ectopic pregnancy; chorionic villus sampling.

1. GP to order Antibody Screen (pathology)*
2. GP to follow up Antibody Screen results
3. If POSITIVE needs URGENT Obstetric Appointment
4. If NEGATIVE GP to order Anti-D from Blood Bank**
   - RhD Immunoglobulin-VF(Anti-D) 250 IU Singleton pregnancy
   - RhD Immunoglobulin-VF(Anti-D) 625 IU Multiple pregnancy
5. Patient to collect Anti-D from Blood Bank to take to GP for injection***
6. GP to consent, administer & document RhD Immunoglobulin-VF(Anti-D) ****
7. Follow routine prophylaxis pathway at 28 weeks

**Second or Third Trimester Sensitising Event (13 weeks to Delivery)**

Chorionic villus sampling; amniocentesis; cordocentesis; fetoscopy; abdominal trauma considered sufficient to cause FMH; antepartum haemorrhage (revealed or concealed); external cephalic version (performed or attempted); miscarriage; termination of pregnancy.

1. GP to order (pathology)*
   - Antibody Screen
   - Kleihauer (will be done if antibody screen is negative)
2. GP to follow up Antibody Screen and Kleihauer results
3. If either or both tests POSITIVE needs URGENT Obstetric Appointment
4. If NEGATIVE GP to order from Blood Bank**
   - RhD Immunoglobulin-VF(Anti-D) 625 IU
5. Patient to collect Anti-D from Blood Bank to take to GP for injection***
6. GP to consent, administer & document RhD Immunoglobulin-VF(Anti-D) 625 IU****
7. Follow routine prophylaxis pathway according to gestation

*Pathology forms requesting Antibody Screen can be sent to any provider but not to Dorevitch at Frankston Hospital (no collection on site).

**Blood Bank** will accept requests for Anti-D on any pathology form but form MUST state
- Name & DOB
- Gestation
- If mother has had Anti-D during the pregnancy (date, time and dose)

***Anti-D ideally stored at 2° - 8°C. Do not freeze. Protect from light. Patient Information You and Your Baby: Important information for Rh (D) negative women available at Australian Red Cross Blood Service website (below)

****The batch number of every vial of human immunoglobulin administered must be recorded in the patient’s medical history. Preferred document is Peninsula Health Anti-D Patient Consent & Administration Form with copy to be kept in VMR (Victorian Maternity Record).


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