Waikato hepatitis protocol for management of pregnant woman, household contacts and babies born to HBsAg mothers

Screen all women early in pregnancy for Hepatitis B surface antigen (if no screening, refer to Waikato DHB ‘management of maternal Hepatitis B status and neonatal vaccination and immunoglobulin’ protocol)

**Lead maternity carer** to give the baby (within 12 hours):
- Hepatitis B Immunoglobulin 100-110IU IM into the right thigh as supplied by Blood Bank
- Hepatitis B Vaccine 5µg IM into the left thigh

**Blood Bank** to:
- Ensure sticker is sent with immunoglobulin

**Lead maternity carer** to:
- Complete Ministry of Health Hepatitis B consent form (code 1446)
- Record information in maternal clinical record and infant’s clinical record, and on maternity information system
- Complete NIR registration process
- Remind the mother of the importance of follow up Hepatitis B immunisations and nine month blood test

**Ministry of Health Hepatitis B form – code 1446**

**Lead maternity carer actions:**
- White copy to remain with infant’s clinical record
- Email / fax / post copy of white page to National Immunisation Register: NIRcoordinators@waikatodhb.health.nz / 07 834 3637
- Yellow copy fax/post to medical officer of health: 07 838 2382 / Private Bag 3200, Hamilton 3240
- Green copy to infant’s GP

**National immunisation register** to forward form to Waikato immunisation facilitator

**Waikato immunisation facilitator** to follow up with infant’s GP practice to ensure alert is loaded. Also enter hard copy alert in infant’s clinical record at GP practice

**Produces:**
- Load pre-calls for vaccines and serology
- Baby to receive usual national schedule immunisations at six weeks, three months and five months AND
- Nine month blood test form for Hepatitis B

**GP actions:**
- If blood test is declined the degree of protection conferred by the immunisations would be unknown. As the rate of infection in these circumstances is so high the risks need to be explained by the GP. If there is still no consent the family should be counselled as though the child were a carrier and the management/implications of that condition explained.

**GP actions and follow up**
- HBsAg -ve and anti-HBs > 10IU/L = immune
- HBsAg +ve = baby infected
- HBsAg -ve and anti-HBs < 10IU/L = not immune
- Test results loaded into Patient management system and National Immunisation Register
- Parents advised of result

**Not immune**
- Administer doses of Hepatitis B vaccine and blood testing as outlined in the immunisation handbook
- Test results loaded into Patient management system and National Immunisation Register
- Parents advised of result
- If baby has not seroconverted or becomes infected, discuss with Medical Officer of Health

**Immune**
- No further action is required
- Baby does not present for Hepatitis B boosters and/or blood test

**Hepatitis Foundation**
- Check immunisation status of family members and/or sexual partners and advise to contact their GP for management
- Provide woman with information pack and consent form, and discuss. It is available from Population Health: 07 838 2569 or Waikato Hospital Ext 92061

**Antenatal screen received by Population Health from Pathlab or Waikato Hospital Laboratory. Record filed for reference and statistics only**

**Lead maternity carer:**
- Upon receipt of the HBsAg result, check that add-ons have been done (HBsAg + LFT’s). If not, request them off existing blood samples at laboratory
- Take additional sample in EDTA tube for HBV DNA
- Interpretation and/or referral (under Section 88):
  - If ALT elevated and/or HBV DNA > 2000 IU/mL → standard referral to viral Hepatitis Clinic (via Referral Coordination Centre)
  - If HBV DNA > 7 log10 IU/mL → urgent referral to viral Hepatitis Clinic
  - If ALT normal + HBV DNA < 2000IU/mL - refer to GP for annual testing and follow up, or to the Hepatitis Foundation National HBV surveillance programme
- Record results in women’s clinical record and advise other carers - e.g. GP or midwife
- Discuss follow up and referral processes with mother - both for mother and baby at birth
- Refer to Hepatitis Foundation for follow up of mother and contacts

**Lead maternity carer actions:**
- Provide woman with information pack and consent form, and discuss. It is available from Population Health: 07 838 2569 or Waikato Hospital Ext 92061
- Discuss follow up and referral processes with mother - both for mother and baby at birth
- Refer to Hepatitis Foundation for follow up of mother and contacts

**Follow up Hepatitis B immunisations and nine month blood test**

**Hand over to GP**

**GP pre-call for nine month serology**

**Yes**

- Nine month blood test completed

**No**

- GP practice to follow up as per normal outreach/referral process to ensure serology result obtained

**National immunisation register** to send overdue reminder to practice

If you have any questions about any elements of management contact the Medical Officer of Health 07 838 2569 or the NIR 0800 100 273