April 2009

NIR Flow Chart Process for Babies Born to HBsAg Positive Mothers

HEALTH WAIKATO
CARING FOR YOU
Waikato District Health Board

Screen all women early in pregnancy for Hepatitis B surface antigen (If no screening, refer to WDHB 'Management of Maternal Hepatitis B Status and Neonatal Vaccination and Immunoglobulin' protocol)

HBsAg Positive

During the antenatal period, the lead maternity carer should:

- Advise and discuss result with woman (and partner)
- Record results in patient's notes, and advise other carers eg, GP or Midwife
- 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 (available from PHU-07 838 2569 or Waikato Hospital x 2061)
- Obtain consent for baby to receive Hepatitis B vaccine and Hepatitis B immunoglobulin.
- Medical Officer of Health notification required following delivery

HBsAg Negative – No further action is required

LMC to give the baby (within 12 hours):

- Hepatitis B 100IU (immunoglobulin) IM into the right thigh
- Hepatitis B 5 µg (vaccine) IM into the left thigh

For additional information see the Immunisation Handbook 2006 (pp 133 -141)

- LMC to complete a MoH Hepatitis B consent form (code 1446)
- Record information in patient notes and on Maternity Information System
- LMC to complete NIR1
- Remind the mother of the importance of follow-up Hepatitis B immunisations and 5 month blood test

MoH Hepatitis B Form – code 1446

- White copy to remain with maternity notes
- Fax/post copy of white page to NIR: 07 834 3694 / PO Box 394, Hamilton
- Yellow copy fax/post to Medical Officer of Health: 07 838 2382 / PO Box 505, Hamilton
- Green copy to patient's GP

NIR1 Form

- White copy fax/posted to NIR as above
- Blue copy to remain with maternity notes

- Baby to receive usual national schedule immunisations at 6 weeks, 3 months and 5 months AND
- Blood test form for Hepatitis B given to the parent/caregiver (emphasise importance of this test being completed)
- On the form for Hepatitis B serology request copy to Medical Officer of Health

Blood test declined?

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 then the family should be counselled as though the child were a carrier and the management/implications of that condition explained

Blood test completed?

Yes

Protection: >100 mIU/ml
Indeterminate: 10-99 mIU/ml
Unprotected: <10 mIU/ml

- Test results loaded into PMS and NIR
- Parents advised of result

Protected

No further action

Indeterminate or Unprotected

Administer two doses of Hepatitis B vaccine at 6 months and 7 months of age (if older administer 2 doses at least 4 weeks apart)

At 8 months of age (or 4 weeks after last dose) repeat blood test

Baby does not present for Hepatitis B boosters and/or blood test

- Test results loaded into PMS and NIR
- Parents advised of result
- If still Unprotected discuss with Medical Officer of Health

No

NIR to send overdue reminder to Practice

Blood test not completed 1-2 months overdue

NIR sends letter and form for a blood test to parent/caregiver advising their child is overdue a blood test

No blood test results after 1-2 months

If at 10 months no blood test result, NIR to advise Medical Officer of Health

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