

HEPATITIS B VACCINATION IN NEWBORNS

NEWBORN USE ONLY

1. AIM

To safely administer hepatitis B vaccine.

2. PATIENT

All newborns

3. STAFF

Nursing and midwifery staff
Medical staff

4. EQUIPMENT

Hepatitis B vaccine 0.5 mL
H-B-Vax-II is used for doses administered at birth.
Infanrix Hexa is used for doses administered at 2, 4 and 6 months of age.

5. CLINICAL PRACTICE

**INFORMED CONSENT SHOULD BE OBTAINED FROM PARENTS PRIOR TO ADMINISTRATION!
THIS MEDICATION CAN BE ADMINISTERED BY A STANDING ORDER. STANDING ORDERS MUST BE SIGNED BY THE Medical Officer (MO) WITHIN 24 HOURS.**

Infants \geq 28 weeks gestation administer 0.5 mL IM as a single dose in the anterolateral aspect of the thigh as soon as possible after birth. The first dose must be given within 7 days.

A total of four doses should be administered at either:
Birth, 2 months, 4 months and 6 months OR
Birth, 2 months, 4 months and 12 months

Babies born at $<$ 32 weeks gestation or with a birth weight $<$ 2000 g may require an additional dose at 12 months of age.

Infants $<$ 28 weeks gestation administer hepatitis B vaccines as per neonatologist.

6. DOCUMENTATION

Integrated clinical notes
Medication chart

HEPATITIS B VACCINATION IN NEWBORNS cont'd

7. EDUCATIONAL NOTES

Contraindications:

Anaphylaxis following a previous dose of hepatitis B vaccine
Anaphylaxis following any component of the vaccine.

Adverse events:

Swelling tenderness. Fever can occur in 0.6-3.7% of cases.

Storage:

Store between 2–8°C. Storage above or below the recommended temperature may decrease potency.

8. RELATED POLICIES/PROCEDURES/CLINICAL PRACTICE LOP

Hepatitis B vaccine standing order

9. RISK RATING

Medium

10. NATIONAL STANDARD

Medication Safety– NSQHSS Standard 4

11. REFERENCES

MIMS online Hepatitis B vaccine (H-B-Vax II Paediatric) solution for injection 2013 [cited 25/11/15]

Australian Technical Advisory Group on Immunisation. The Australian Immunisation Handbook. 10th ed. Canberra: Australian Government Department of Health, 2013.

REVISION & APPROVAL HISTORY

Reviewed and endorsed Therapeutic & Drug Utilisation Committee 31/07/2019

Approved Quality & Patient Care Committee 4/2/16

Reviewed and endorsed Therapeutic & Drug Utilisation Committee 8/12/15

Replaced previously titled :

Medication Standing Order – Hepatitis B Vaccine

Approved Quality & Patient Safety Committee 19/9/13

Neonatal Services Division 6/5/13

and

Hepatitis B Vaccine for all Neonates

Approved Quality & Patient Safety Committee December 2012

Replace previous titles :

Hepatitis B Vaccination for Newborn Infants – endorsed Therapeutic & Drug Utilisation Committee 21/8/07 – approved Patient Care Committee 6/9/07

Hepatitis B Program Procedure for all babies – endorsed Neonatal Clinical Committee 8/703 & Maternity Services Clinical Committee 14/9/04 – approved Quality Council 20/9/04

Reviewed, combined & endorsed Maternity Services Division LOPs group November 2012

Amendment to reflect vaccine a standing order and can be administered without a script May 2013