

POST EXPOSURE PROPHYLAXIS GUIDELINES FOR HEPATITIS B VIRUS EXPOSURE

GENERAL MEASURES

- A. Do not panic, reassure the person
- B. Do not disclose identity of source as well as exposed person
- C. Clean the wound/exposed area with soap and water
- D. Do not squeeze the puncture site, do not apply antiseptic/disinfectant
- E. Record baseline data and important particulars

FOR PERSONS WHO ARE UNVACCINATED

- A. If source is HBsAg positive give single dose of Hepatitis B Immunoglobulin (HBIG) and start vaccine series.
- B. If source is HBsAg negative no HBIG to be given start vaccine series
- C. If source is unknown or not available for testing start vaccine series without giving HBIG

FOR PERSONS WHO ARE VACCINATED

- A. If the person exposed is a known responder no treatment required irrespective of the status of the patient (positive, negative, unknown)
- B. If the person is a known non responder- give one dose of HBIG and initiate revaccination if source is HBsAg positive, no treatment if source is negative,

C. If source is unknown but high risk consider it as HBsAg positive

FOR PERSONS WITH UNKNOWN ANTIBODY STATUS

A. Test exposed person for anti HBs antibody, if responder no treatment is needed

B. If inadequate give one dose of HBIG and vaccine booster dose

C. If source is negative no treatment is needed

D. When source is unknown or not available for testing cheque for antibody titers. If responder- no treatment needed but if nonresponder a vaccine booster is needed along with rechecking titres 1-2 months later.

POST POSTEXPOSURE PROPHYLAXIS DOSE AND SCHEDULE

A. The dose of HBIG is 0.06 ml/kg body weight single IM injection

B. Preferably should be given within 24 hours of exposure or at least within 7 days of needlestick injury

C. In cases of sexual contact with HBsAg positive patient HBIG can be given upto 2 weeks from day of exposure

D. Hepatitis B vaccine should be given in schedule of 0,1,4-6 month 3 IM injections.

E. HBIG and Vaccine can be administered simultaneously at different IM sites

FOLLOW UP OF HBV EXPOSED PERSONS

- A. Perform follow up Anti HBs testing in persons exposed to HBV who received hepatitis B vaccine
- B. Test for Anti HBs titer after 1-2 months of last dose of vaccine
- C. Anti HBs response can not be ascertained if person has received HBIG in within previous 3-4 months
- D. If Acute HBV positive work up on the lines of HBV infection