

Hepatitis B Algorithm

WHO TO TEST?

At Risk Patients:

- Contacts of HBsAg Positive Patients
- People whose mother or close family member has hepatitis B
 - You live with someone who has hepatitis B
 - Maori, Pacific, Asian > 25 years



Diagnostic Serology Tests

HBsAg – Hepatitis B Surface Antigen – indicates active infection when positive

Anti-HBc – Indicates current or past infection

Anti-HBs – Indicates immunity if >10 IU/L (if HBsAg negative)

If surface antigen is negative and antibody positive the patient is immune and no further action is required.



HBsAg NEGATIVE

Anti-HBs & Anti-HBc NEGATIVE

Consider HBV vaccination, if they have not had full vaccination course as a child



HBsAg POSITIVE

Refer to the Hepatitis Foundation of New Zealand



The Hepatitis Foundation will organise:

- **Additional blood tests and investigations:** HBeAg, Liver function tests (LFTs), alpha-fetoprotein (AFP) Full Blood Count (FBC), INR;
- **Liver ultrasound** for raised AFP, high-risk patients with a family history of hepatocellular cancer (HCC – liver cancer);
- **Urgent referral to secondary care** for patients with cirrhosis, raised AFP (excluding pregnancy) and pregnant woman who require treatment during pregnancy;
- **Long-term follow-up with Foundation** including 6-monthly blood tests (or as required), information, education and support. Home visits if required. Free testing of other family members.