

SHARED CARE AGREEMENT: LAMIVUDINE

NHS GREATER GLASGOW AND CLYDE

NB: This document should be read in conjunction with the current Summary of Product Characteristics (SPC)

DRUG AND INDICATION:

Generic drug name:	Lamivudine
Formulation:	Film-coated tablet containing 100mg lamivudine
Intended indication:	Chronic hepatitis B infection in adults with compensated liver disease with evidence of active viral replication, liver inflammation and/or fibrosis.
Status of medicine or treatment:	Licensed medicine Formulary medicine

RESPONSIBILITIES OF ACUTE CARE/SPECIALIST SERVICE (CONSULTANT):

- Undertake baseline investigations/monitoring and initiate treatment or ask GP to initiate treatment.
- If appropriate, ensure that the patient has an adequate supply of medication (usual minimum of 28 days) until the shared care arrangements are in place.
- Dose adjustments.

Acute care/specialist service will provide the GP with:

- An initiation letter (which includes diagnosis, relevant clinical information, treatment plan, duration of treatment before consultant review).
- Letter of outpatient consultations, ideally within 14 days of seeing the patient.

Acute care/specialist will provide the patient with relevant drug information to enable:

- Understanding of potential side effects.
- Understanding of the role of monitoring.

RESPONSIBILITIES OF PRIMARY CARE (GENERAL PRACTITIONER):

- To prescribe in collaboration with the acute specialist according to this agreement.
- To ensure the continuous prescription of medication until treatment is discontinued at specialist instruction.
- Liaison with the hospital specialist in the event of symptoms or abnormal results thought due to this treatment.

RESPONSIBILITIES OF PATIENT:

- To attend hospital and GP clinic appointments. Failure to attend appointments may result in medication being stopped.
- To report adverse effects to their specialist.
- To request repeat prescriptions from the GP prior to current prescription finishing.

ADDITIONAL RESPONSIBILITIES:

- None

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CAUTIONS:

- Renal impairment: dose adjustment recommended for patients if creatinine clearance < 50 ml/min, (see SPC).
- Exacerbations of hepatitis.
- Patients with decompensated liver disease.
- Lactic acidosis.
- Pregnancy and breastfeeding.
- HIV co-infection. Used at higher dose with other anti-retroviral drugs.

CONTRAINDICATIONS:

- Hypersensitivity to the active substance or to any of the excipients.

TYPICAL DOSAGE REGIMEN:

Route of administration:	Oral administration
Recommended starting dose:	100mg every 24 hours with or without food
Titration of dose:	None
Maximum dose:	100 mg daily
Conditions requiring dose adjustment:	Renal Impairment
Usual response time:	Variable, depends on HBV viral load and host factors
Duration of treatment	Treatment is usually for many years. Treatment may be discontinued if there is HBsAg loss or HBeAg seroconversion.

All dose adjustments or discontinuations will be decided in acute care and directions given in medical letter to the GP.

SIGNIFICANT DRUG INTERACTIONS:

- Do not use with emtricitabine for HIV.

UNDESIRABLE EFFECTS:

ADR details	Management of ADR
Weakness, fatigue, headache, dizziness, nausea, vomiting, diarrhoea, abdominal pain.	These are the most common side-effects and usually mild
Muscle disorders, including elevations of CPK, myalgia and cramps	

The above list should not be considered exhaustive. For further documented ADRs and details of likelihood etc, see Summary of Product Characteristics or BNF.

BASELINE INVESTIGATIONS (ACUTE SECTOR):

- Urea and electrolytes, eGFR, LFTs, HIV test.

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MONITORING (PRIMARY CARE):

- No monitoring is to be undertaken in Primary Care.

MONITORING (ACUTE SECTOR):

- The following monitoring is to be undertaken in Acute Care

Monitoring Parameters	Frequency	Laboratory results	Action to be taken
U&Es, LFTs	Every 3-6 months		
Hepatitis B Viral load	Every 3-6 months		
Hepatitis B e markers	Every 6 months		

PHARMACEUTICAL ASPECTS:

- Shelf life 3 years
- Store below 30°C (tablets)

COST:

- Approximate cost for 1 patient per year is £967 (BNF accessed online 02/8/22).

INFORMATION FOR COMMUNITY PHARMACIST:

- None of note

ACUTE CARE/SPECIALIST SERVICE CONTACT INFORMATION:

Name	Designation	Acute Site	Department phone number
Dr David Bell Dr Erica Peters	Consultant in Infectious Diseases	Brownlee Centre, Gartnavel General Hospital	0141 301 7489
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SUPPORTING DOCUMENTATION:

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- NHS GGC Hepatitis B Treatment Guideline
<https://clinicalguidelines.nhsggc.org.uk/media/1870/hepatitis-b-infection-assessment-and-management-in-adults.pdf>