

Heart Failure Guidance Summary for GPs

Written by Dr James Gamble (Consultant Cardiologist, Heart Failure Lead at OUH NHS FT),
Dr Oliver Watkinson (Consultant Cardiologist, OUH NHS FT)

The regional heart failure guidance is available online at

<https://occg.info/heart-failure>

The below is a top-line summary of the guidance written for use in primary care. Hyperlinks will go to the online full version

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 - **Heart failure with a reduced ejection fraction (HF-REF)**
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Other advice is available online, including:

- **HF referrals and clinics**
- **Medications and local heart failure formulary**
- **Renal issues in patients with heart failure**
- **List of all GP pages on Oxfordshire HF website**

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Diagnosis and initial treatment of heart failure

History and examination suggestive of possible heart failure ([further information](#))

Arrange initial tests ([further information on tests](#))

- Bloods: NT-proBNP, U&E, LFT, TFT, FBC
- ECG
- Do not request open access echocardiogram
- Consider in addition to help with severity / differentials
 - Chest x-ray
 - Urinalysis
 - Spirometry or peak flow

Consider initial treatment of fluid overload or breathlessness with diuretics, or of fast atrial fibrillation with beta blockers or digoxin. [See further information below.](#)

If symptoms are severe, especially if paroxysmal nocturnal dyspnoea or lung crepitations, consider referral to medicine at JR or Horton for inpatient / ambulatory assessment.

NT-proBNP greater than 2000ng/L

Refer [urgently](#) to Heart Failure clinic via ERS,
Target to be seen within 2 weeks

NT-proBNP greater than 400ng/L, but less than 2000ng/L

Refer to Heart Failure clinic via ERS,
Target to be seen within 6 weeks

NT-proBNP less than 400ng/L

Reconsider diagnosis of HF
[Further advice](#)

[NT-proBNP testing](#)

Blood testing for B-Type Natriuretic Peptide (BNP) is a key step in the diagnostic pathway for heart failure. This is now recommended by NICE as the first investigation when heart failure is suspected on clinical grounds.

N-Terminal B-Type Natriuretic Peptide (NT-proBNP) testing is now available to all GPs in the region via the OUH FT pathology labs and has (as of **xxxx** date) replaced the previously used assay. The normal and abnormal ranges are different. Unlike BNP, NT-pro BNP is not subject to the issue of degradation with falsely low readings if the sample is delayed in transit. Nonetheless, samples need to reach the lab within 24h. As per BNP, please send an EDTA sample (purple top tube).

[Considerably more advice, including tips for using NT-proBNP testing in clinic practice, is available online.](#)

Expected pathway for patients with Heart Failure with reduced ejection fraction (HF-REF; Left ventricular ejection fraction <40%; severe LV systolic dysfunction)

Diagnosis should be made only after an echocardiogram, with input from a cardiology specialist.



Although we appreciate this is not funded, NICE suggest a 6-monthly review for all patients with heart failure – **see suggested template for review**.

Expected pathway for patients with Heart Failure with preserved ejection fraction (HF-PEF; LV ejection fraction >40%)

Diagnosis should be made only after an echocardiogram, with input from a cardiology specialist.

No evidence for disease modifying therapies in HF-PEF

Prescribe diuretics to relieve symptoms and signs of fluid overload

Identify and treat comorbidities

- Hypertension
- Renal Dysfunction
- Diabetes
- Pulmonary Disease
- Ischaemic Heart Disease
- Anaemia

Consider addition of **Mineralocorticoid Receptor Antagonist (eplerenone for most men, spironolactone for women)** to assist diuresis

Community Heart Failure Nurses are **not** currently commissioned to see these patients.

No evidence for cardiac rehabilitation

Once diagnosis made, likely to be discharged out of hospital care back to GP care.

Whilst we can discuss or see these patients if they continue to be problematic, as there are no additional available therapies we are unlikely to be able to add to the above.

Although we appreciate this is not funded, NICE suggest a 6-monthly review for all patients with heart failure – [see suggested template for review](#)

The term heart failure with a 'moderately reduced' or 'mid-range' ejection fraction (HF-mREF) is sometimes used for patients with an ejection fraction of 40-50%. At the current time there is no robust evidence that these patients should be treated differently to other patients with HF – PEF, although we would have a low threshold for the use of ACE inhibitors / ARBs.

General Practice Heart Failure Review Template

Symptoms	<ul style="list-style-type: none"> • Are symptoms stable? • Are they still symptomatic? If so escalate treatment as per pathways above • Are they becoming fluid overloaded or dehydrated? • Record weight, BP and pulse • Check and record pulse rhythm using a code
Medication review	<p><i>For Heart Failure with a reduced ejection fraction:</i></p> <ul style="list-style-type: none"> • ACEi / ARB at maximum tolerated licenced dose? If not titrate up unless BP less than 90 systolic or side effects • Beta blocker at maximum tolerated licenced dose? If not titrate up unless BP less than 90 systolic or side effects • Mineralocorticoid Receptor Antagonist (MRA; e.g. eplerenone for men or Spironolactone for women) at maximum tolerated licenced dose? <p><i>For Heart Failure with preserved ejection fraction:</i></p> <ul style="list-style-type: none"> • No evidence for disease modifying therapies • Titrate diuretics to symptoms and oedema
Bloods	<ul style="list-style-type: none"> • Renal function, potassium, sodium, haemoglobin stable?
Comorbidities and risk factors	<ul style="list-style-type: none"> • Hypertension, Diabetes, Atrial fibrillation • Smoking cessation • Alcohol intake • Cognitive status and nutritional status
Other tests and treatments	<ul style="list-style-type: none"> • Flu / pneumococcal vaccine is recommended for all HF patients • Annual ECG: if QRS width is newly >130ms (3.25 small squares) then refer for reassessment in hospital HF clinic (to consider Cardiac Resynchronisation Therapy) • Consider resuscitation status and advanced care planning