



#### HAEMATOLOGY ADVICE LEAFLET

# H.A010 – Isolated neutropenia in adult rheumatology patients

# What is neutropenia?

 $< 0.5 \times 10^9 / L$ severe neutropenia moderate neutropenia  $0.5-1.0 \times 10^9/L$ mild neutropenia  $1.0-1.5 \times 10^{9}$ /l

NB People of African or Middle Eastern descent frequently have a constitutional neutropenia (but usually >1.0 x 10<sup>9</sup>/L) which does not require further monitoring or investigation

## What can cause neutropenia?

- Auto-immune neutropenia
- Bone marrow disorder (e.g. myelodysplasia, marrow aplasia)
- Drugs e.g. disease modifying anti-rheumatic drugs, cytotoxics
- Felty's syndrome
- Idiopathic
- Large granular lymphocyte disease
- Severe sepsis
- Recent viral infection

## What should I look out for?

- Hepatosplenomegaly
- Lymphadenopathy
- Mouth ulcers
- Record of past FBCs to establish chronicity of neutropenia
- Recurrent boils
- Fever/signs of infection

#### What should I do?

Admit as medical emergency if neutrophils <1.0 x 10<sup>9</sup>/L and temperature 38°C or above, or any other signs of infection and treat as for neutropenic sepsis. Consider administering folinic acid if patient has been on methotrexate.

# Neutrophils <0.5 x 10<sup>9</sup>/L and patient well

- Stop drugs if likely cause of neutropenia; repeat FBC/blood film in 2 weeks.
- If not on drugs likely to cause neutropenia, repeat FBC/blood film within 7-10 days.
- Give patient advice about monitoring temperature.

# Neutrophils 0.5-1.5 x 10<sup>9</sup>/L and not on drugs likely to cause neutropenia

Repeat FBC/blood film in 4-6 weeks to see if self-limiting or progressive. If neither, repeat again in 3 months to see whether progressive.

This is a controlled document and must be read in conjunction with all NNUH NHS Trust Policies and Procedures. It is the responsibility of the user to ensure that they are aware of the current issue and printed copies (including blank forms) can only be deemed current at the time of printing. Please notify any changes required to the document approver. Title: Neutropenia in Adult Rheumatology Patients Author: Dr A Collins

Review date: 18th January 2026

Document (Q Pulse) reference: H.A010.v9 TRUST DOC ID 4649 v8





# **Consider seeking Haematology advice if:**

- Neutrophil count remains <1.0 x 10<sup>9</sup>/L on repeat FBC after potentially incriminating drugs stopped for 2 weeks.
- Neutrophil count falls below 1 x 10<sup>9</sup>/L on repeat FBC and not on drugs likely to cause neutropenia.
- Signs/symptoms of other haematological disease present or other cytopenias develop.

# Starting or continuing drugs which may cause neutropenia

This is a decision which needs to be made by Rheumatology based on the benefits of the drug balanced against the level of neutropenia - a bone marrow examination is unlikely to predict if further neutropenia will occur.

Review date: 18th January 2026

Document (Q Pulse) reference: H.A010.v9 TRUST DOC ID 4649 v8