

4

## Wegener's granulomatosis

**Micro**

- This is a pulmonary wedge.
- There is necrosis, palisaded histiocytes, granulomas and obliterative vasculitis.
- No microorganisms seen by HE stain.
- There is no evidence of malignancy.
- The features are those of necrotising granulomatous inflammation.
- The differential includes Wegener's granulomatosis, as well as possibly fungal infections, mycobacterial infections and rheumatoid nodule.

**Diagnosis**

- Necrotising granulomatous inflammation suggestive of Wegener's granulomatosis

**Further work/comment**

- Special stains that should be considered:
  - PAS and Ziehl Nelson to consider fungal and mycobacterial infections.
  - Elastin stains to confirm vasculitis/disruption of internal elastic lamina.
- Clinical and radiological correlation (ANCA test) is highly recommended.
- Active disease is usually associated with an on-going glomerulonephritis and hence is likely to have haemoglobinuria (dip-stick test for blood in urine)