

Bone Sarcoma: Detailed Diagnostic Pathway

NEW DIAGNOSIS

- Clinical presentation
- Plain imaging of site**
- Suspicion of bone cancer
- MRI – whole bone** [extremity tumours]
- Increased index of suspicion
- Discuss at Pre-Diagnostic Meeting (RNOH)
- Additional investigations planned in pre-diagnostic meeting

Lower certainty of malignancy

- Biopsy +/- GA
- If confirmed sarcoma, complete staging

Highly suspicious of malignancy

- CT Chest**
- Bone Scan**
- Biopsy +/- GA (must be carried out at LSS)
- As appropriate:
 - Histopathology
 - Immunohistochemistry
 - Molecular / genetic testing (Laboratory = RNOH)
- All histology reviewed by Specialist Sarcoma Pathologist
- See 'Oxford Sarcoma Patient Management Policy'

Key

*This pathway applies to bone tumours arising at all sites in all ages. Patients under 24 years of age will also be referred to the teenage and young adult or paediatric MDTs as appropriate.

**Investigation may be carried out at referring hospital.

RECURRENCE

- Suspected recurrence
- Key Worker & MDT Coordinator informed

Local recurrence

- Plain film** +/- MRI**
- Discuss at Oxford Sarcoma Service VTC
- Diagnostic MDT
- Complete staging
- Consider biopsy if planned resection

Metastatic disease

- ? CT Chest**
- MRI**
- Discuss at Oxford Sarcoma Service VTC
- Diagnostic MDT
- Complete staging
- Consider biopsy if planned resection

Key

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**Investigation may be carried out at referring hospital.