

NO. 075 Osteosarcoma, fibroblastic type

- 有許多 atypical osteoblasts 形成 malignant bone 或類骨質(osteoid)
- 這些 atypical osteoblasts 呈現 pleomorphism、high N/C ratio、hyperchromatism
- Osteoid 呈現 thin, lace-like eosinophilic strands
- Osteosarcoma 依照顯微鏡下的型態可分做：
 - Chondroblastic
 - Osteoblastic
 - Fibroblastic：腫瘤細胞主要由 spindle cells (Fig. 1&3 green ↑) 所構成，其中夾雜一些 osteoid
 - Telangiectatic
 - Parosteal
 - Small cell

標記重點：

1. Osteoid substance (Fig. 1&2 blue ↑)
2. Malignant osteoblasts (Fig. 2 yellow ↑)
3. Spindle cells (Fig. 1&3 green ↑)
 - abnormal mitosis (Fig. 2 red ↑)
4. Residual normal bone (Fig. 3 yellow ↑)

Fig. 1

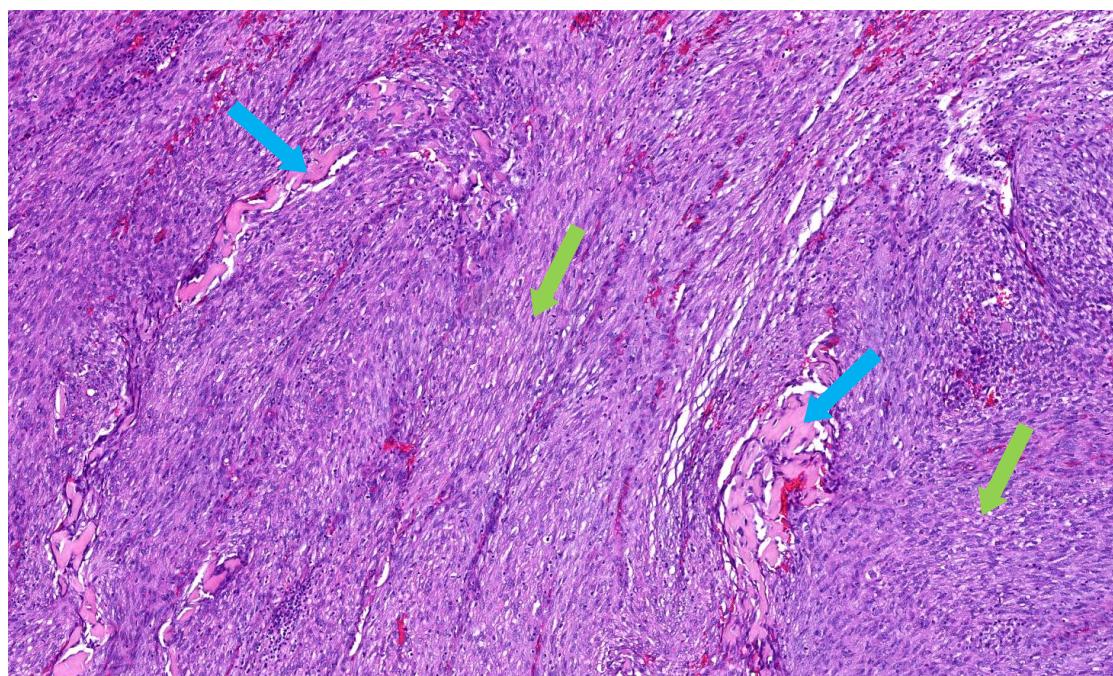


Fig. 2

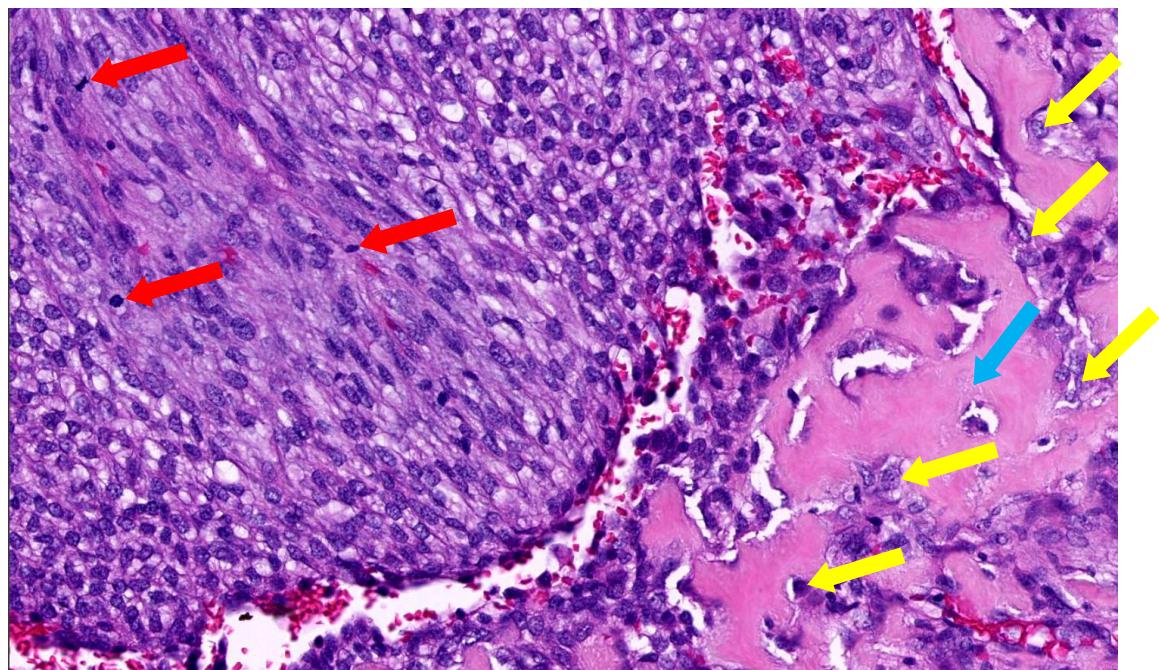


Fig. 3

