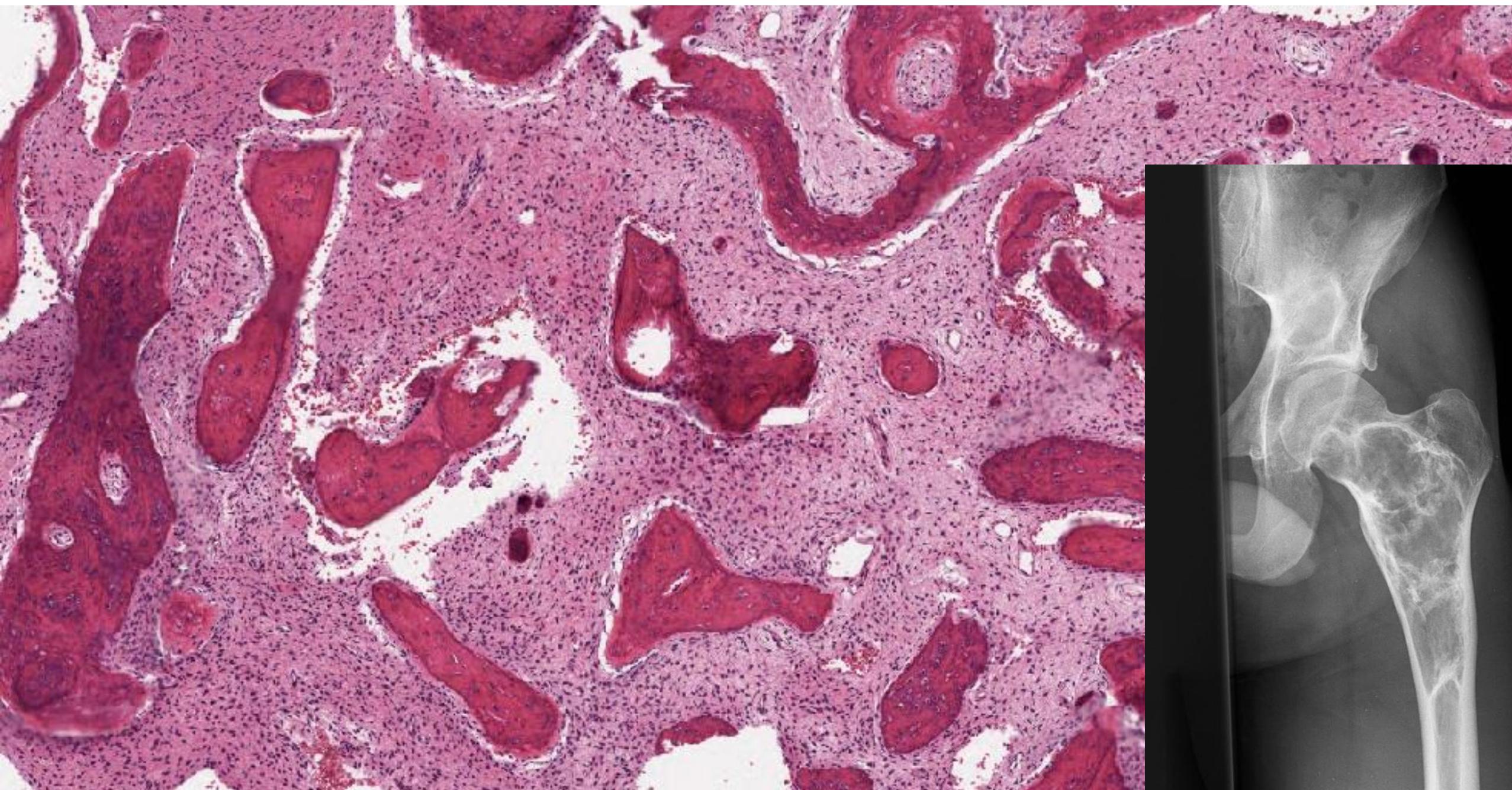


Name the Tumor	Genetics and IHC	Common Location	BST Miscellaneous
200	200	200	200
400	400	400	400
600	600	600	600
800	800	800	800
1000	1000	1000	1000

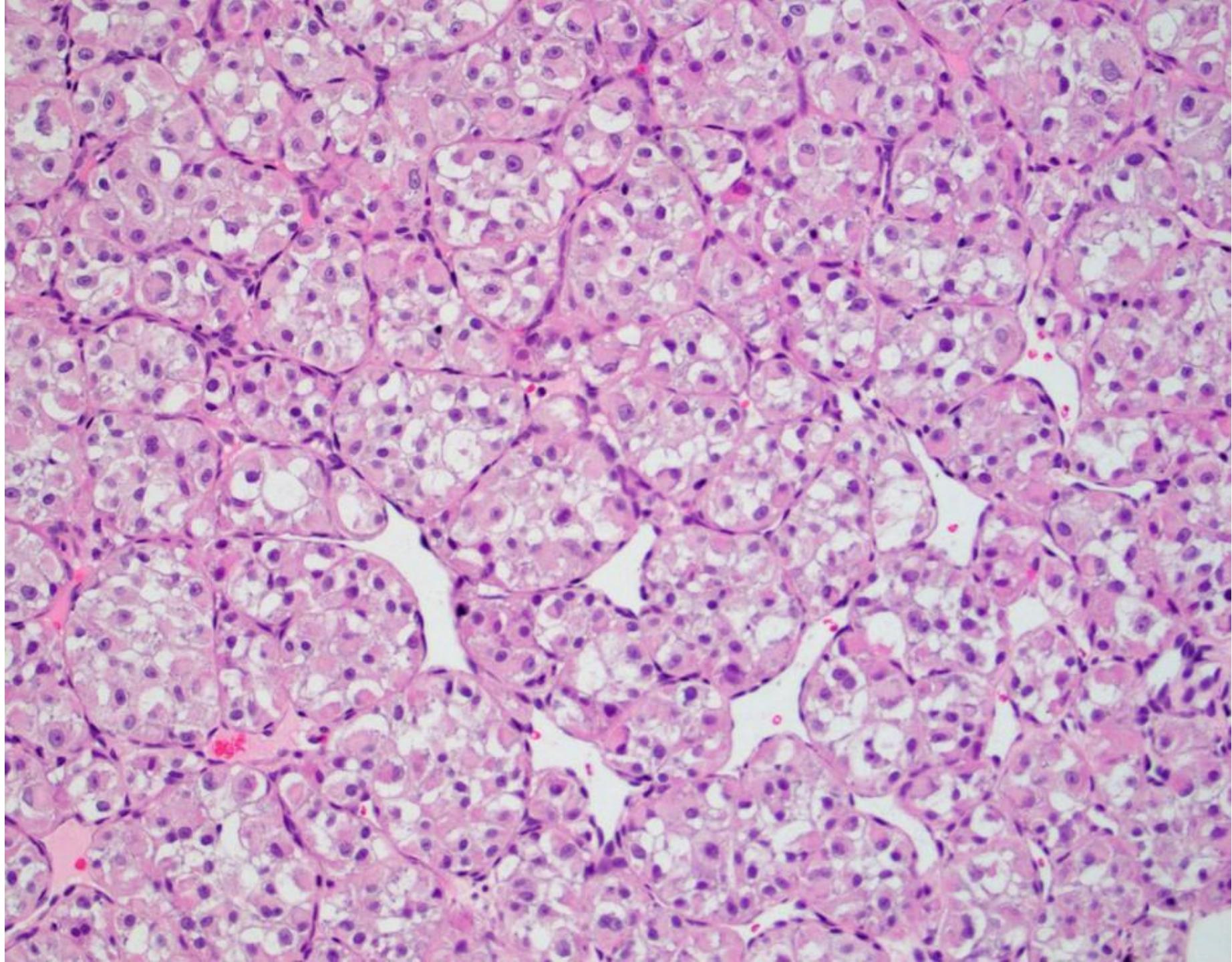
Name the Tumor

30-yr-old male, femur lytic lesion

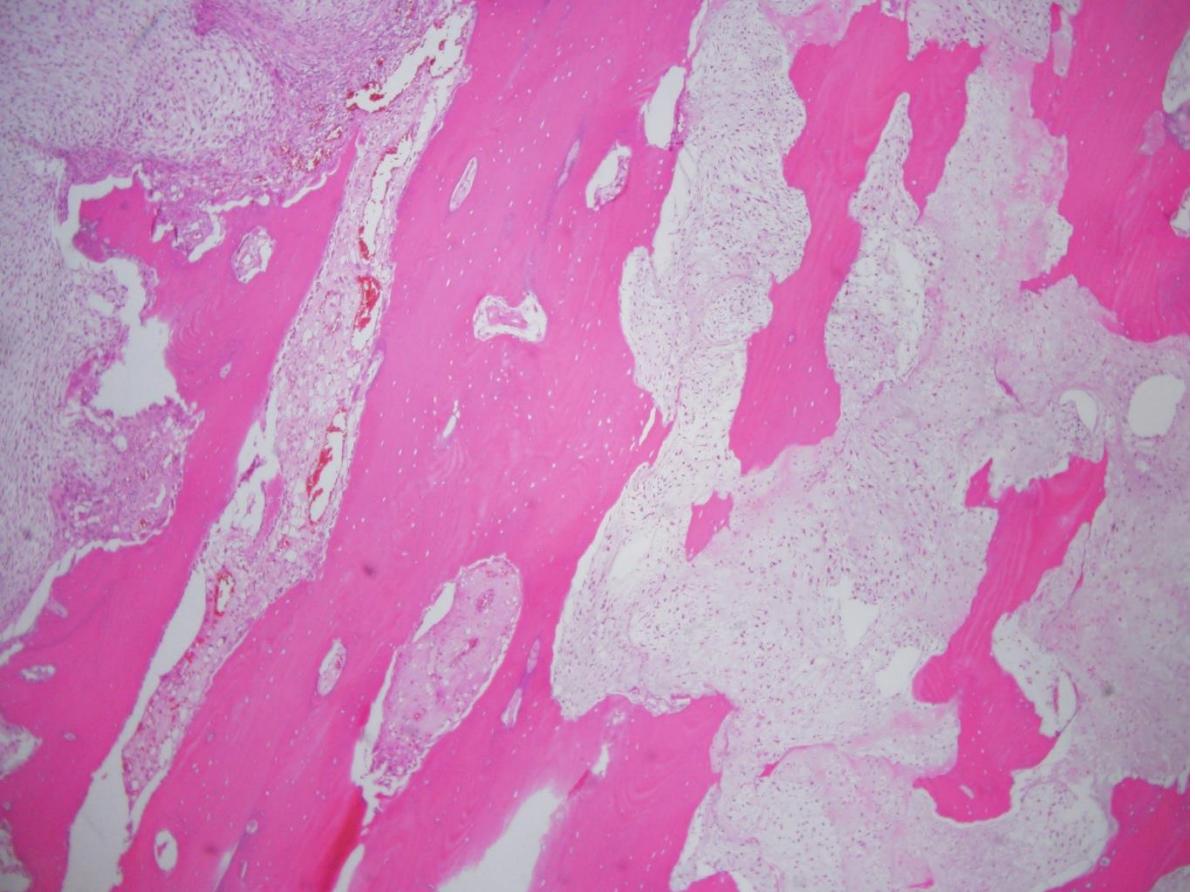


Fibrous Dysplasia

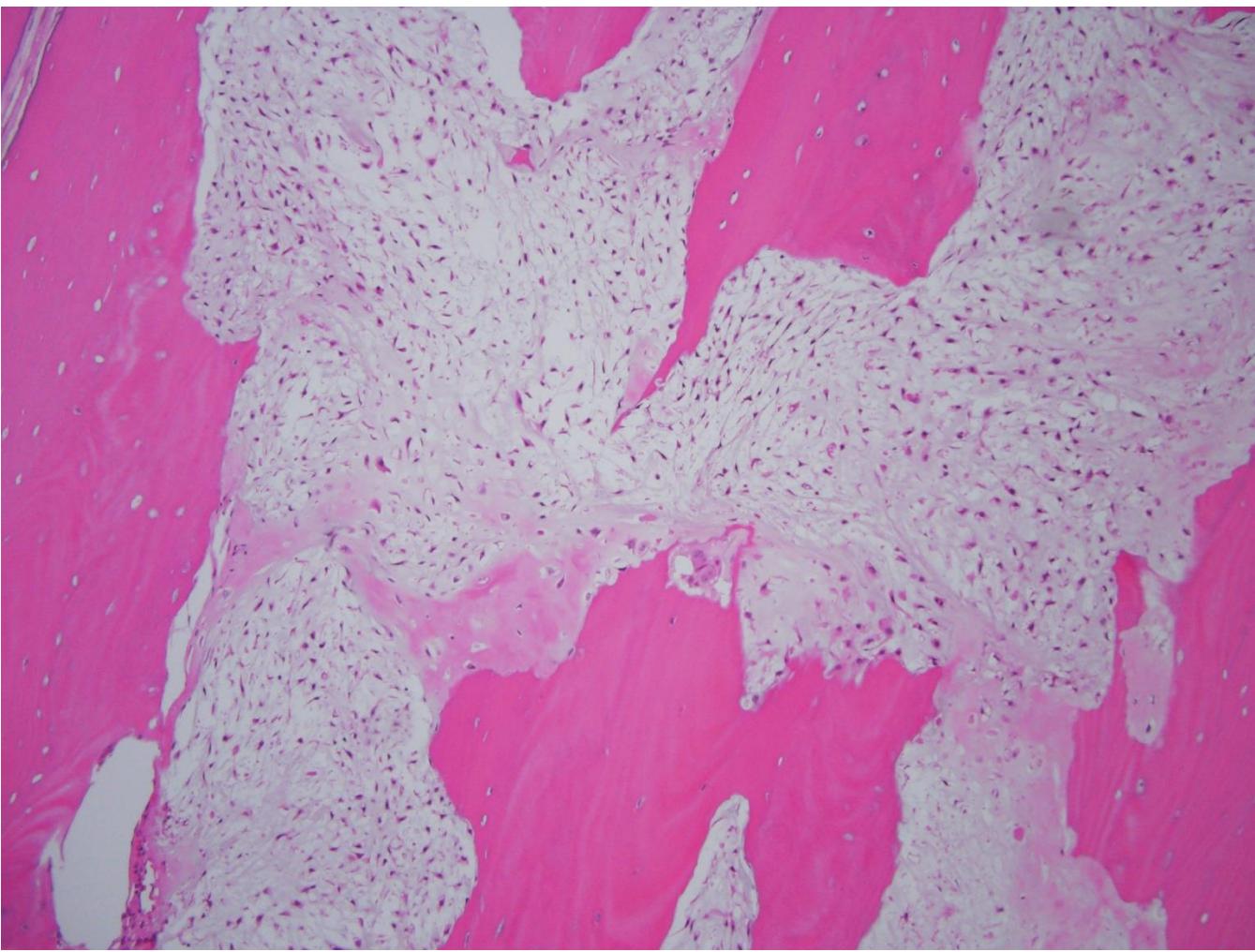
20-year-old female,
gluteal mass



Alveolar Soft Part Sarcoma

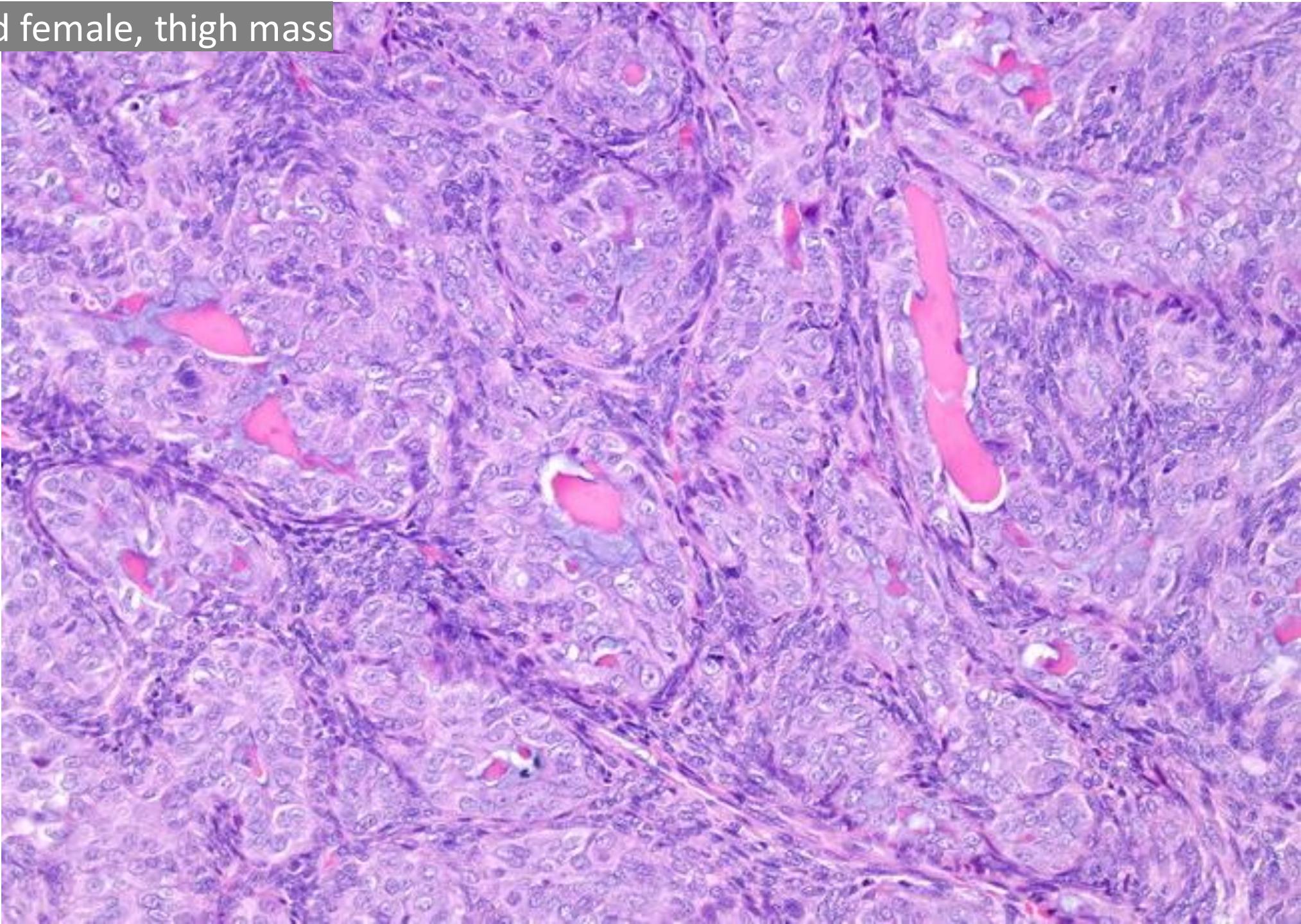


50-year-old male, femur



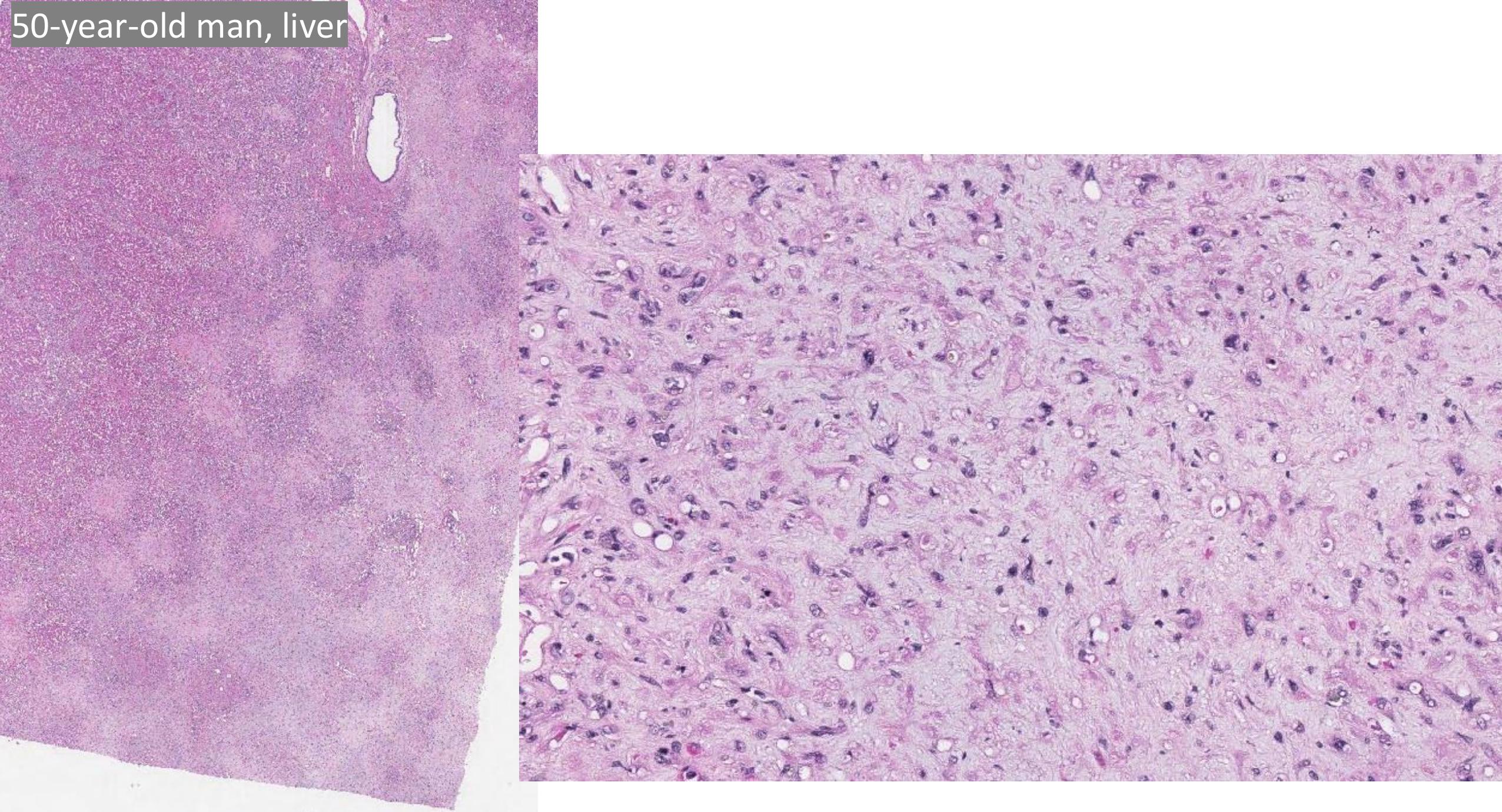
CHONDROSARCOMA

26-year-old female, thigh mass



Synovial Sarcoma

50-year-old man, liver

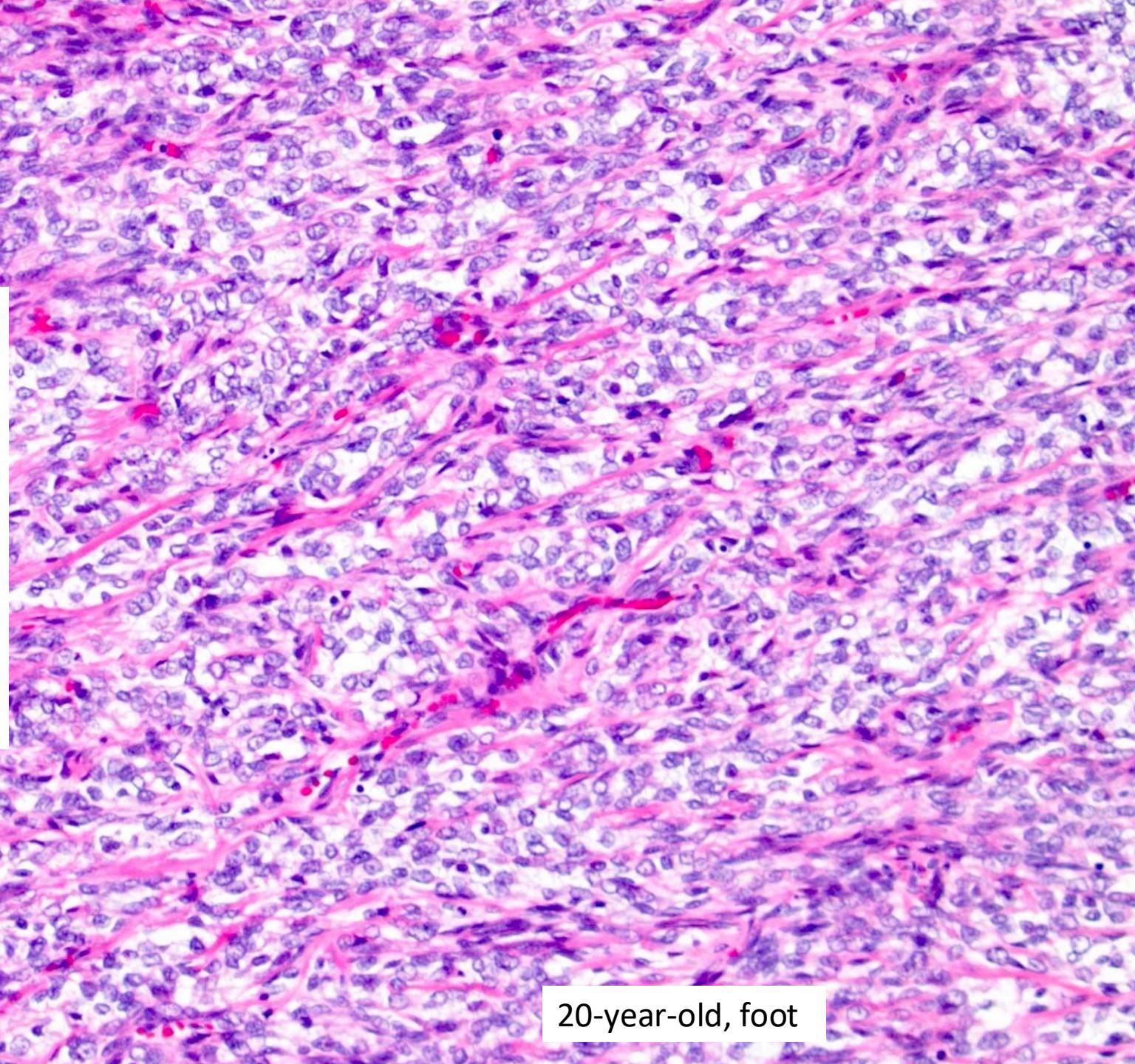


Epithelioid Hemangioendothelioma

Genetics and IHC

What is my immunophenotype and genetic alteration?

- A) CD163 pos, clusterin pos, CSF1 gene fusion
- B) S100 pos, HMB45 pos, EWS gene fusion
- C) Keratin pos, EMA pos, SS18 gene fusion
- D) CD34 pos, STAT6 pos, STAT6 gene fusion



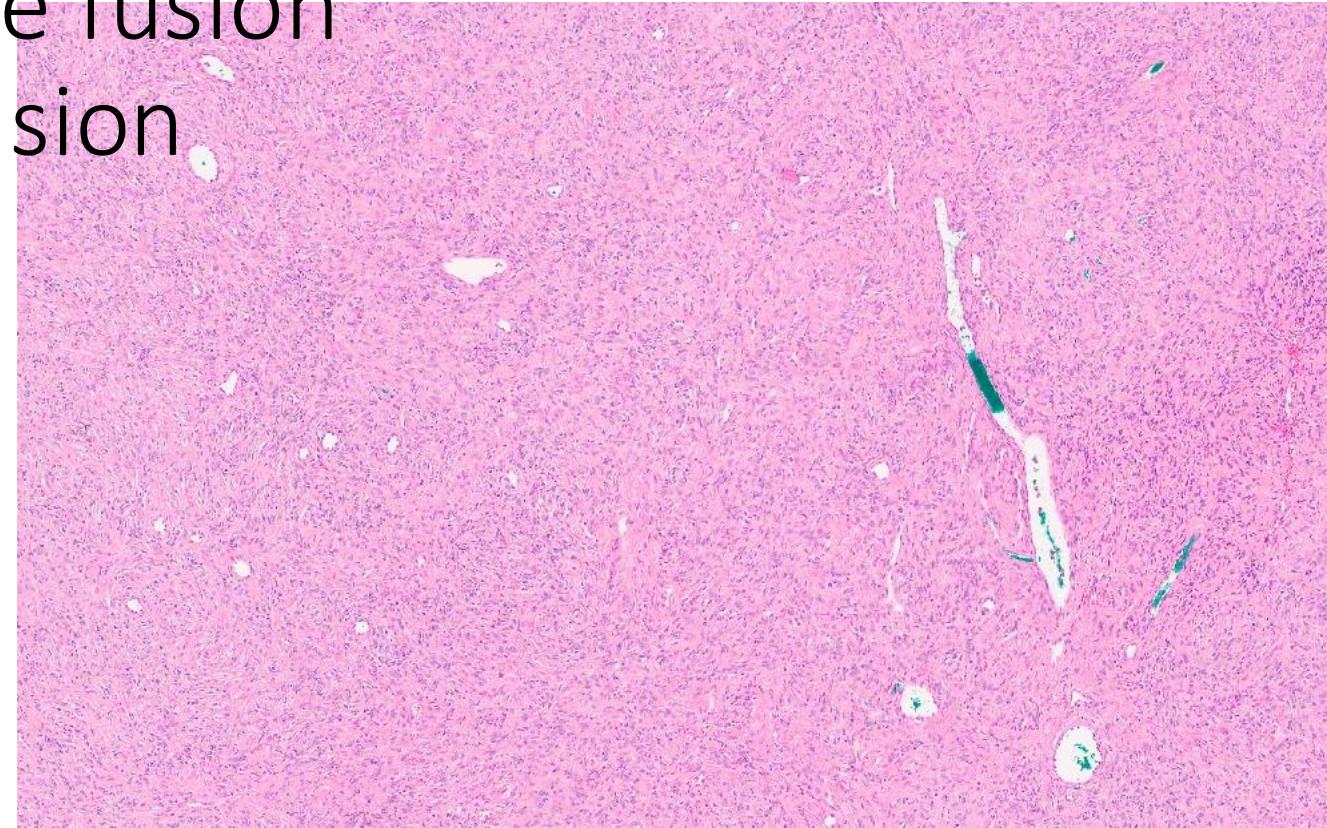
20-year-old, foot

Clear Cell Sarcoma

B) S100 pos, HMB45 pos, EWS gene fusion

What is the immunoprofile and genetic alteration for solitary fibrous tumor?

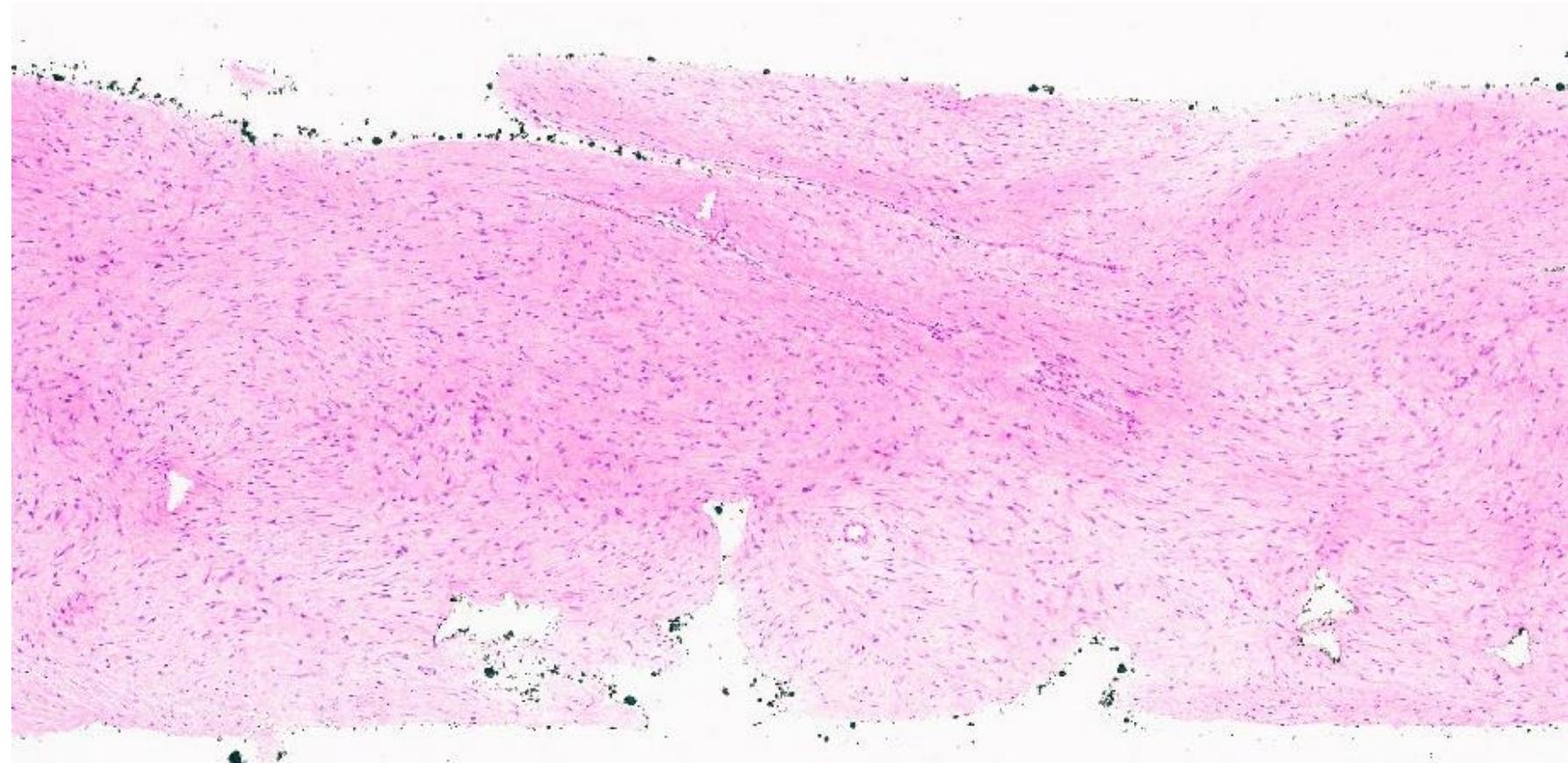
- A) CD31 pos on IHC, STAT6 gene fusion
- B) CD34 pos on IHC, STAT6 gene fusion
- C) CD56 pos, EWSR1 gene fusion
- D) TLE1 POS, SYT gene fusion



Solitary Fibrous Tumor
B) CD34 pos on IHC, STAT6 gene fusion

What is the most common gene mutation in this tumor?

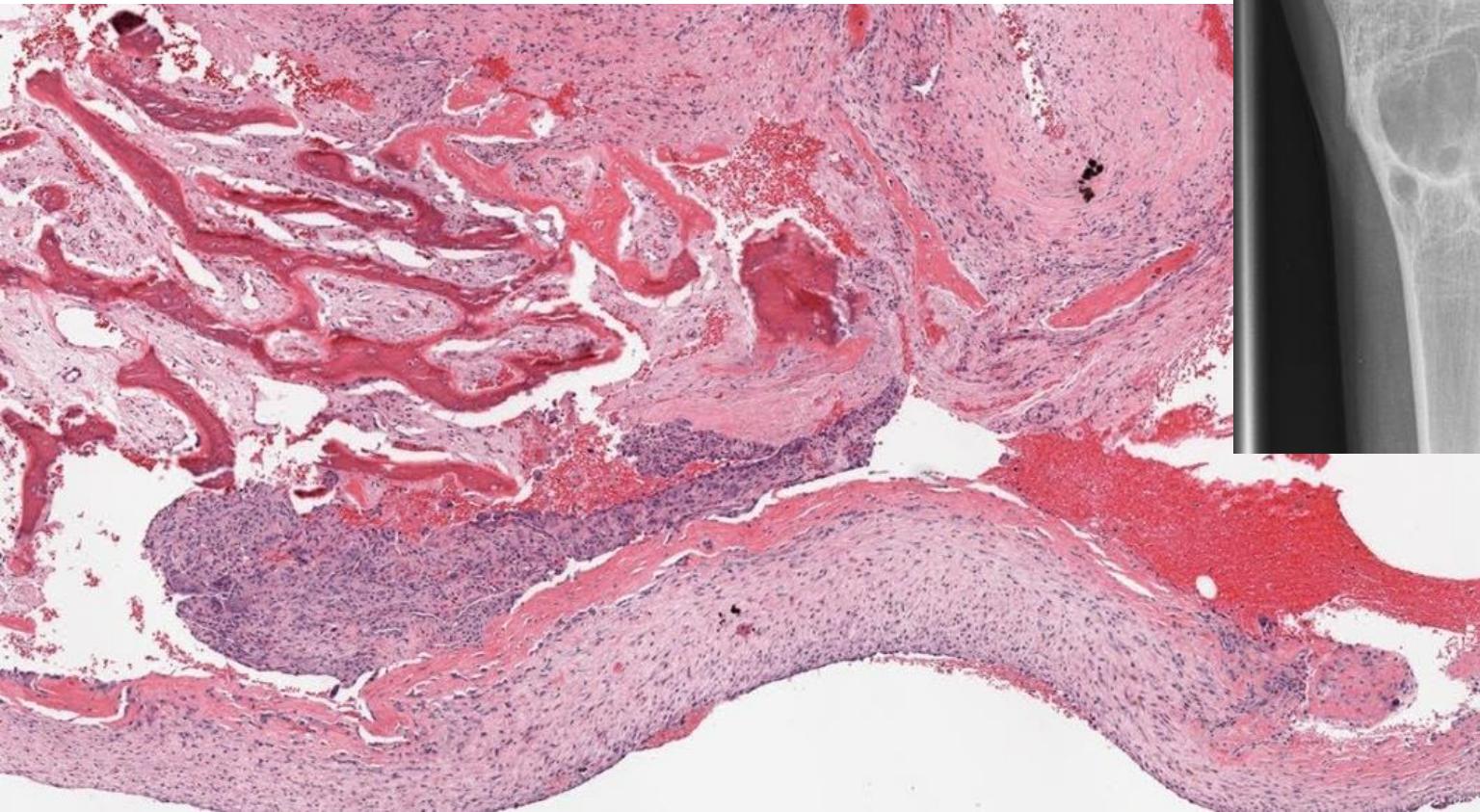
- A) APC
- B) CTNNB1
- C) KRAS
- D) PIK3CA



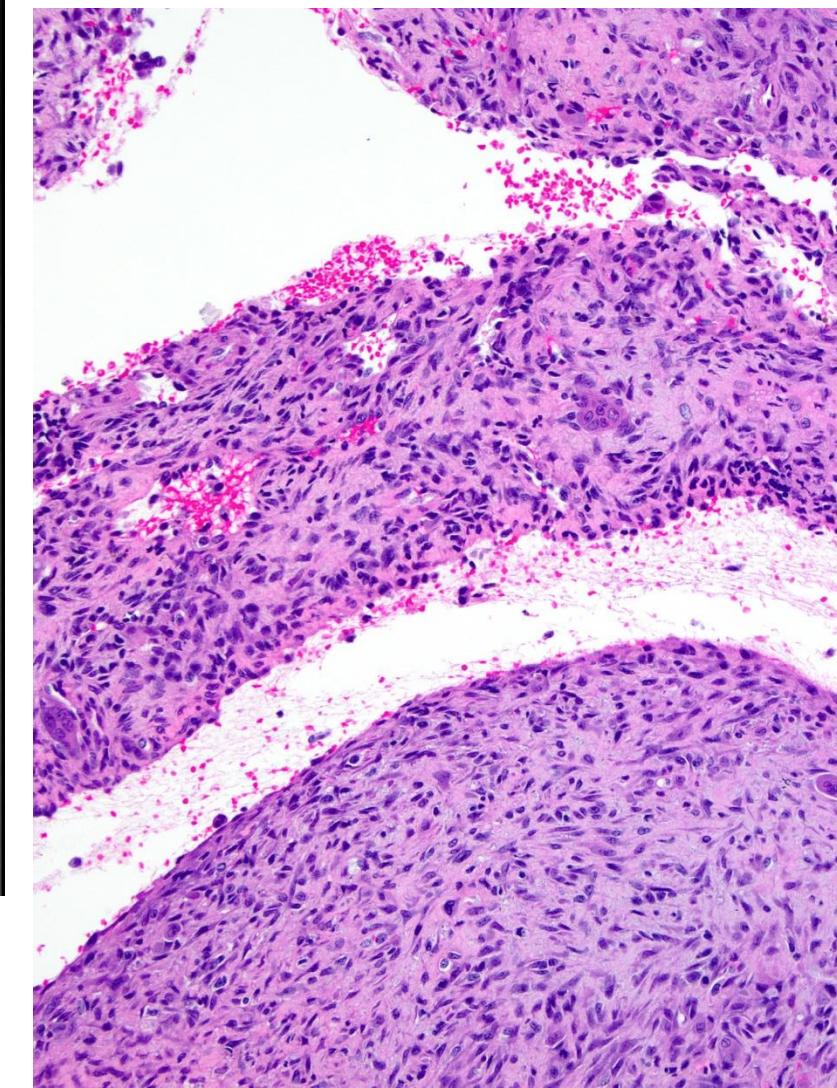
40 y/o male, inguinal mass

Desmoid Fibromatosis
B) CTNNB1

What is the most common gene rearrangement in this tumor?

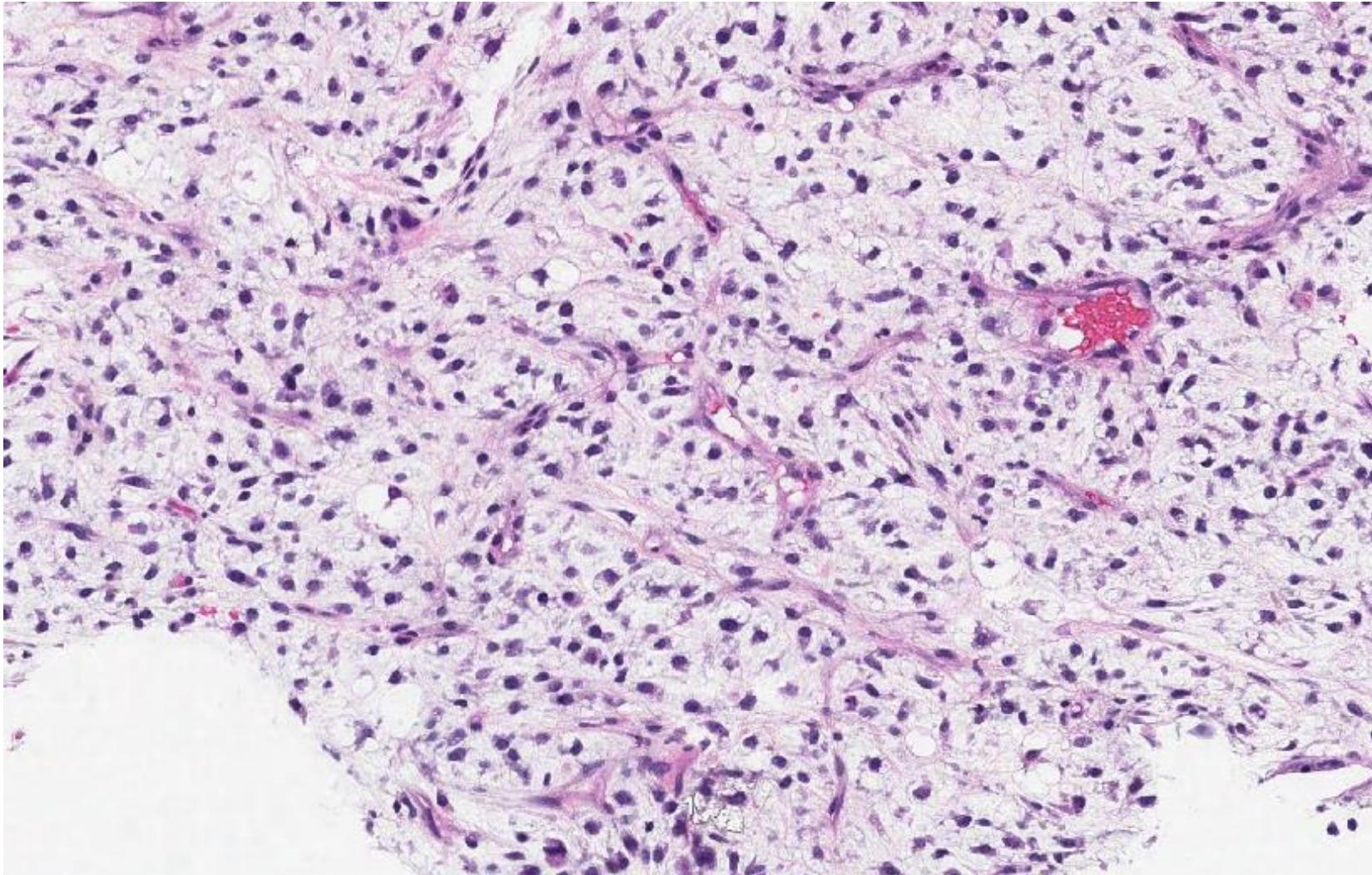


20-year-old, proximal tibia



Aneurysmal bone cyst, *USP6*

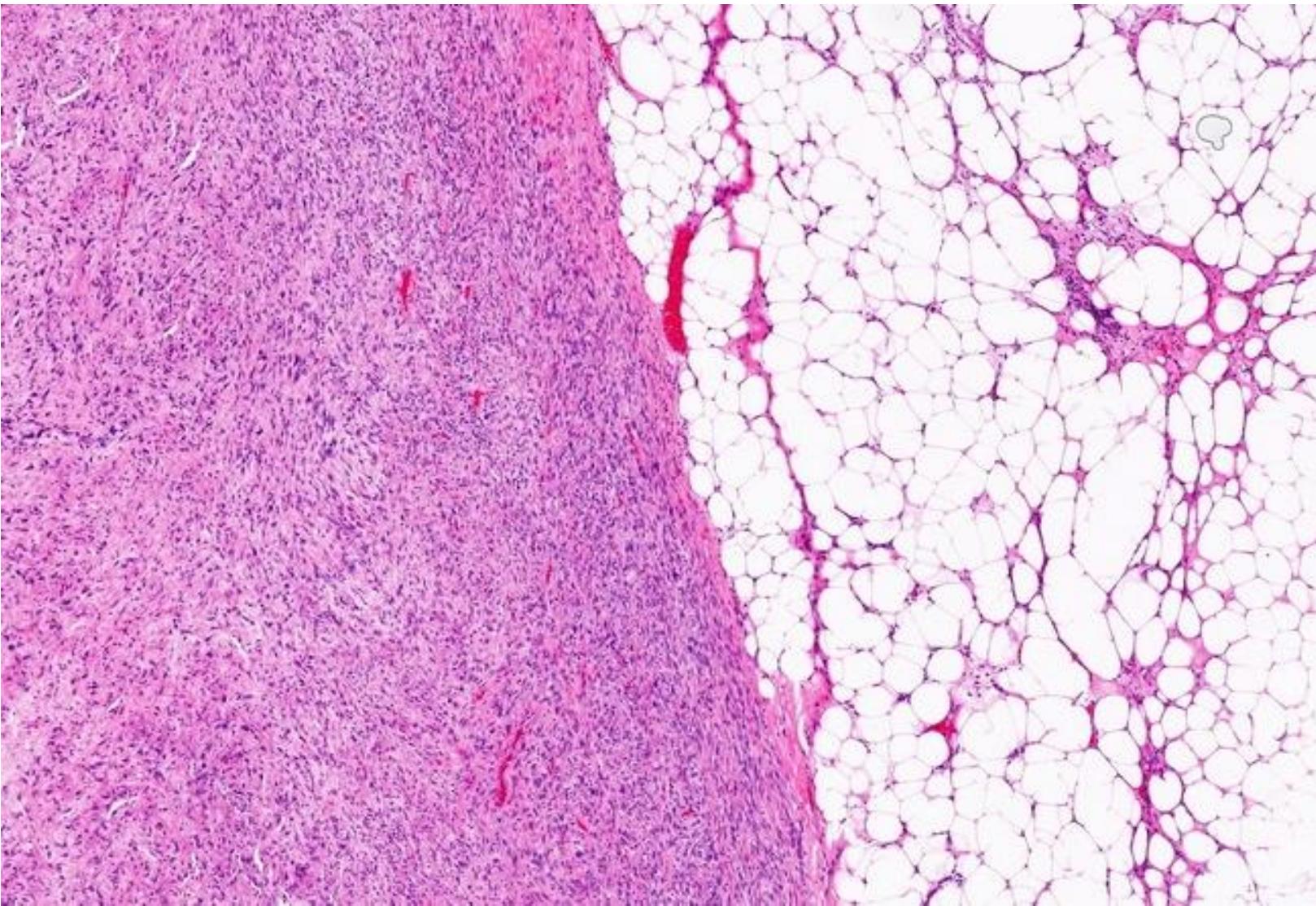
What is my characteristic genetic alteration?



Myxoid Liposarcoma, DDIT3

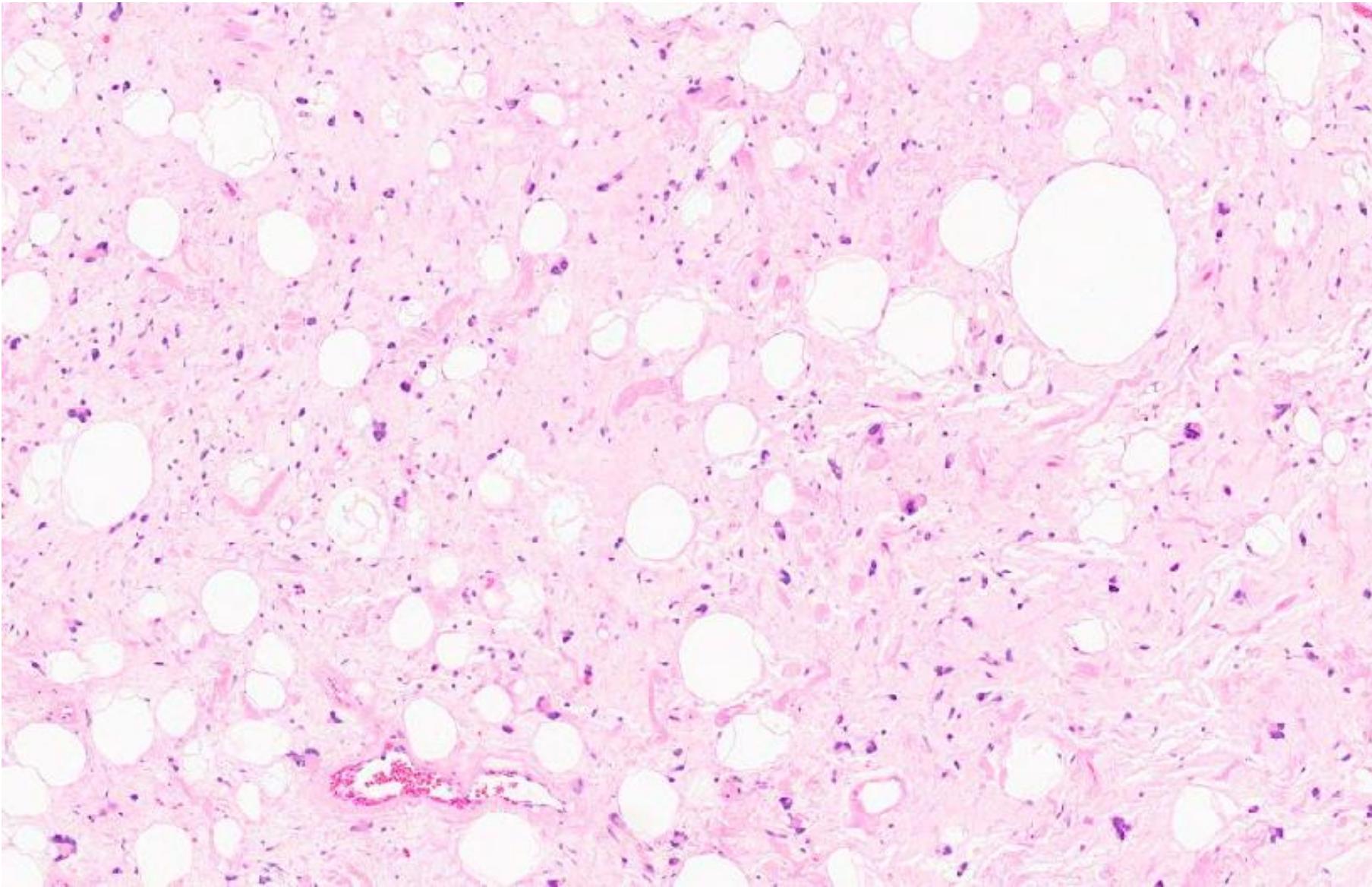
COMMON LOCATION

Where do I mostly occur?



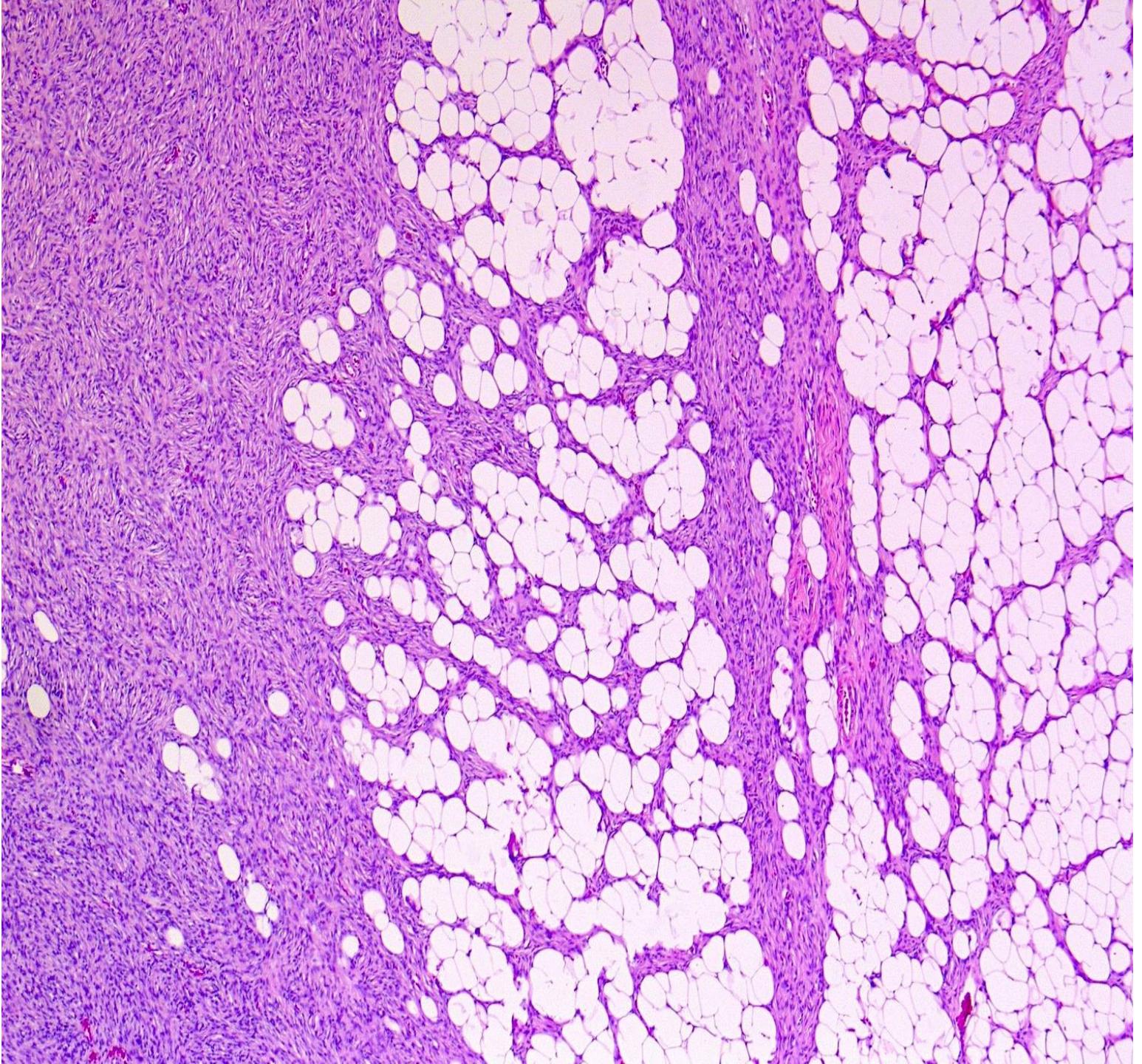
Retroperitoneum

Where does this tumor mostly occur?



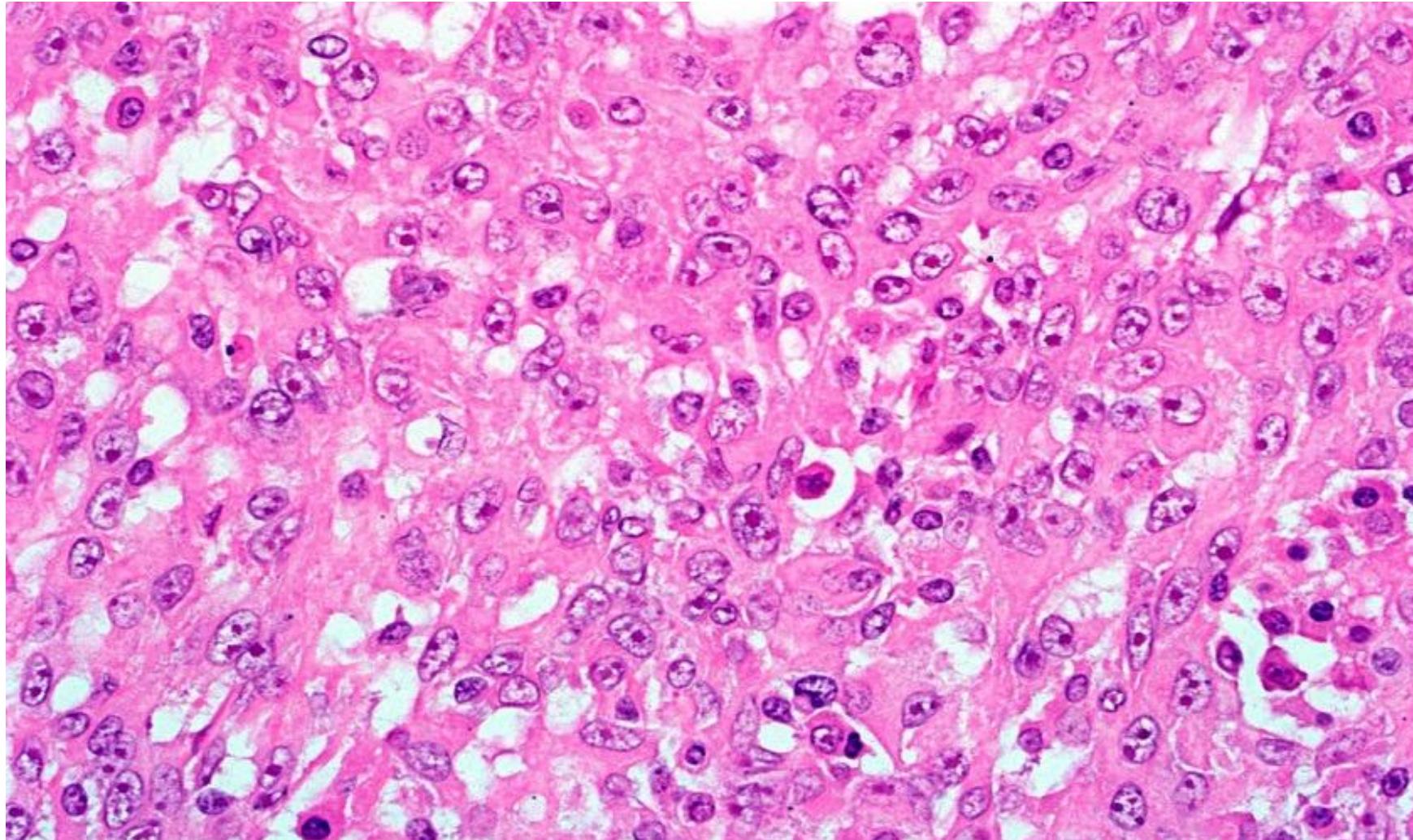
Upper back and posterior neck

I am a cutaneous
tumor. What am I?

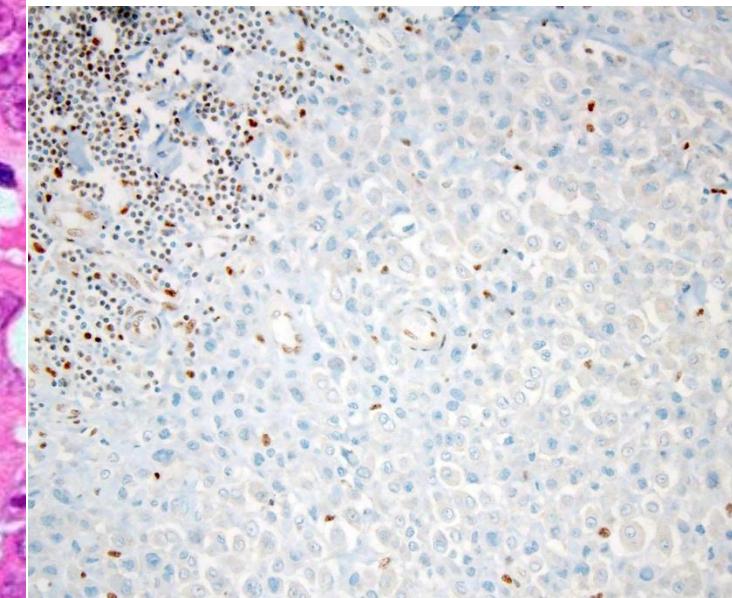


Dermatofibrosarcoma Protuberans

I occur frequently in a truncal location. What am I?

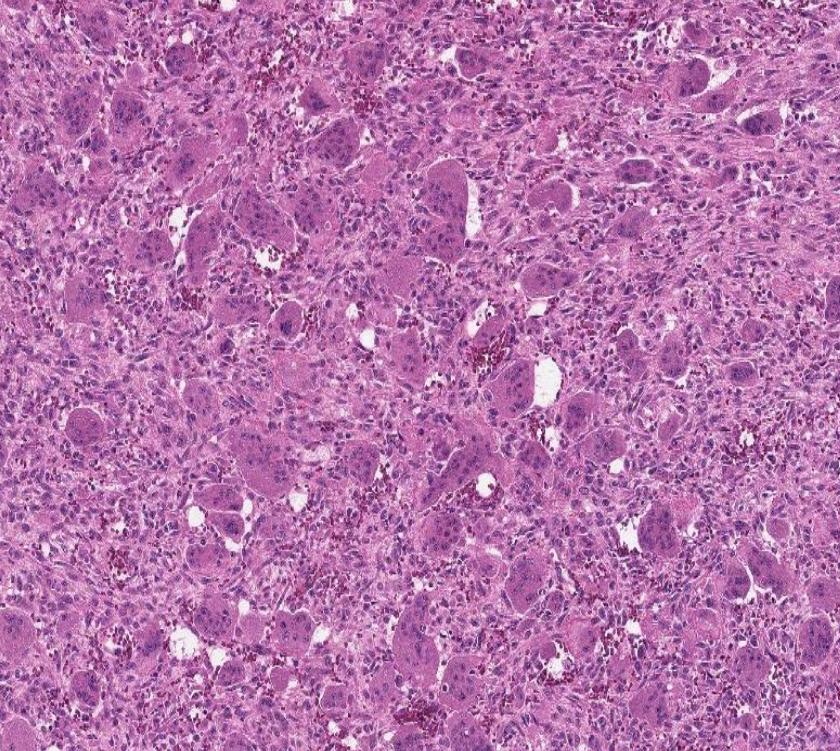


INI1 IHC



Epithelioid Sarcoma

20-year-old, distal femur

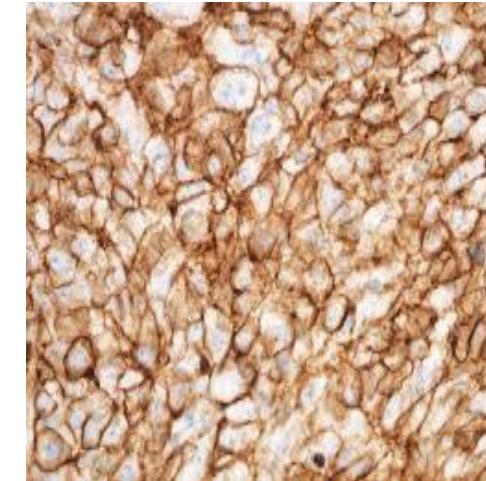
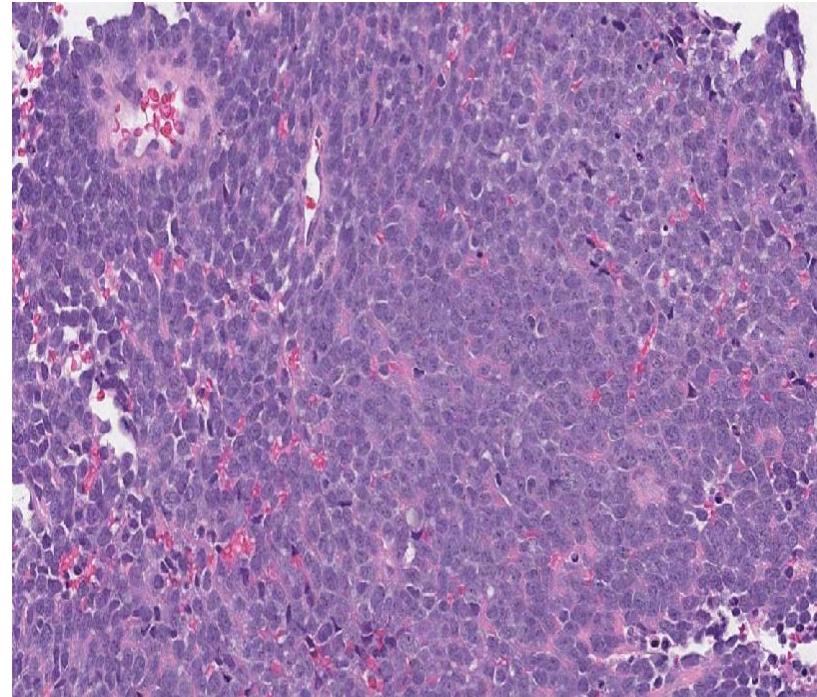


I frequently occur in the proximal end or distal end of a long bone, with extension to the epiphysis. What am I?

Giant Cell Tumor of Bone

BST Miscellaneous

18-year-old with mass in the radius

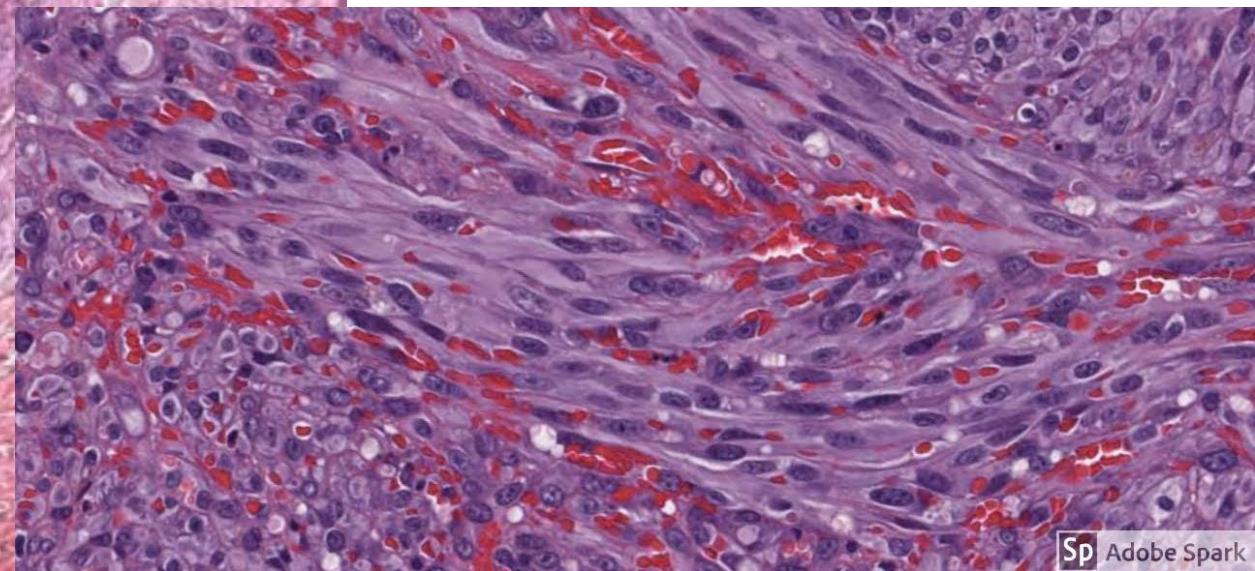
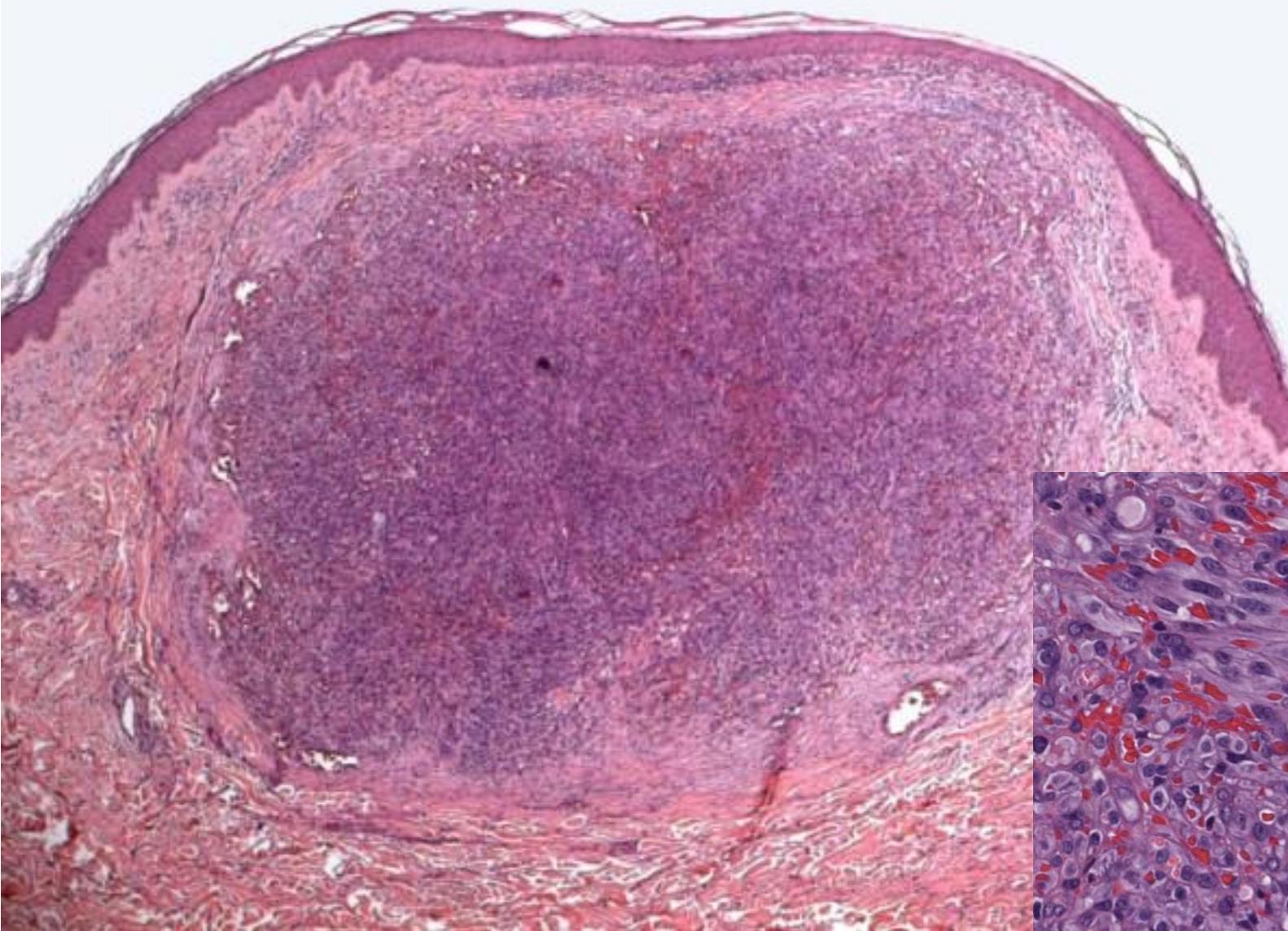


CD99

What is the most common translocation in this tumor?

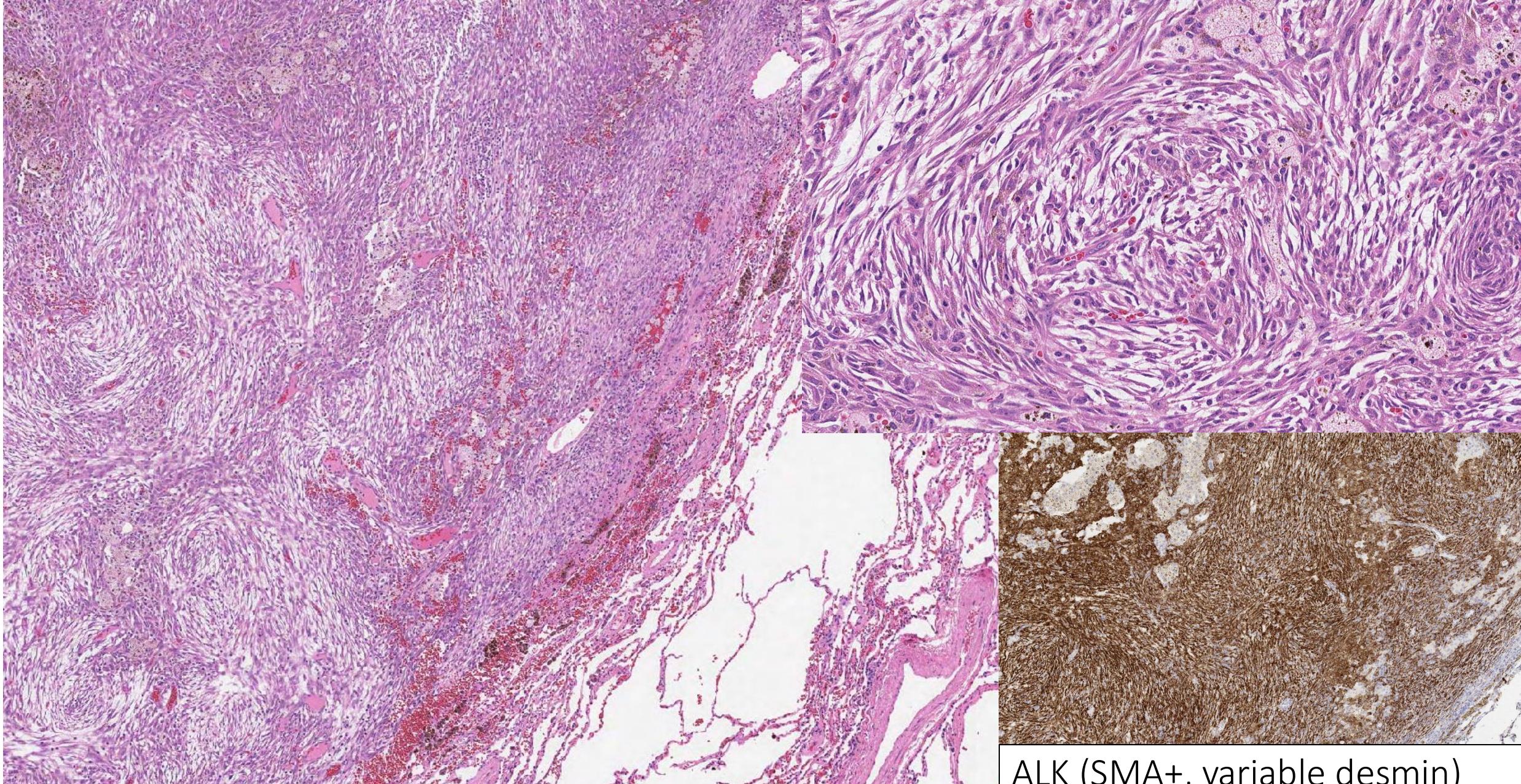
EWSR1::FLI1 (t11::12)

40-year-old, 2 years
post-lung transplant



Kaposi Sarcoma – HHV8
(human herpes virus 8)

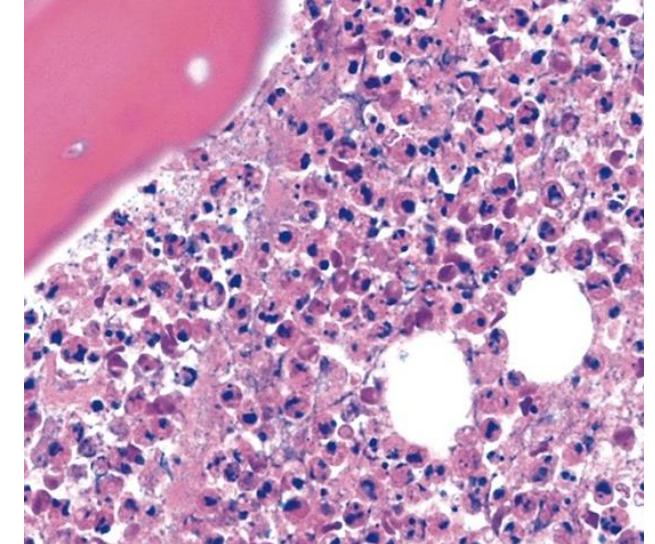
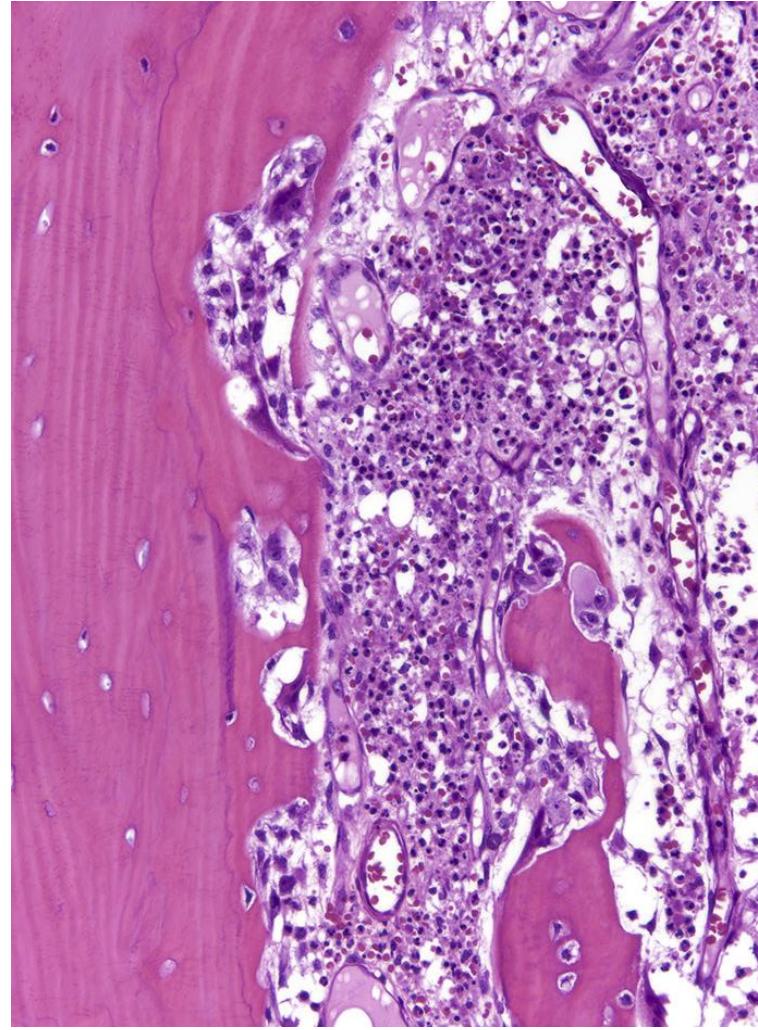
39-year-old male with lung mass



ALK (SMA+, variable desmin)

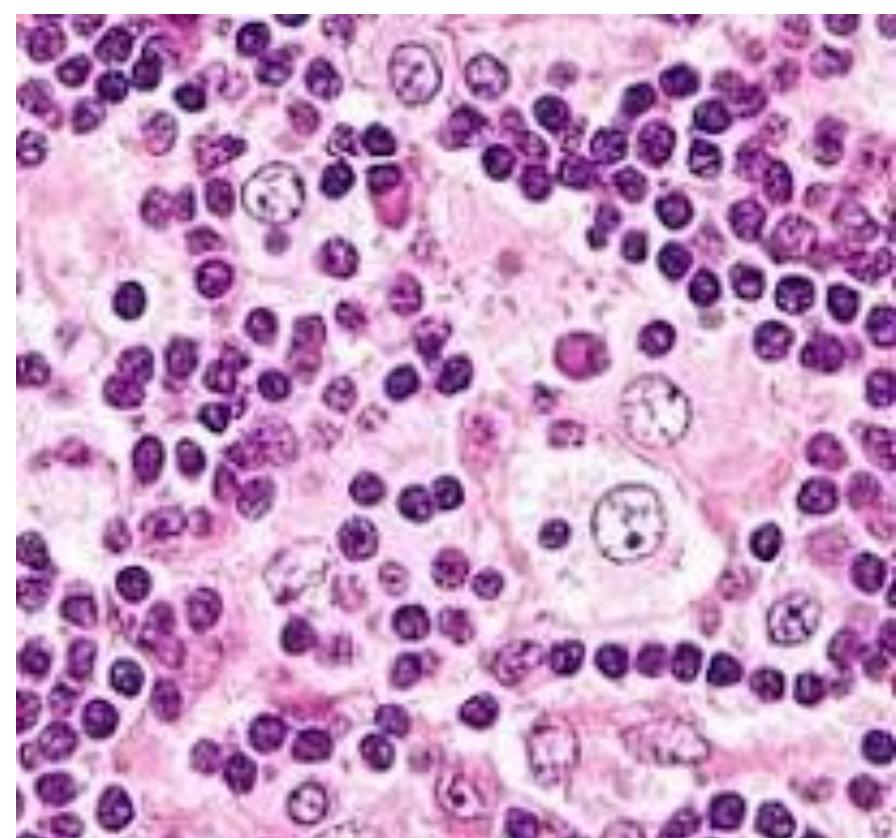
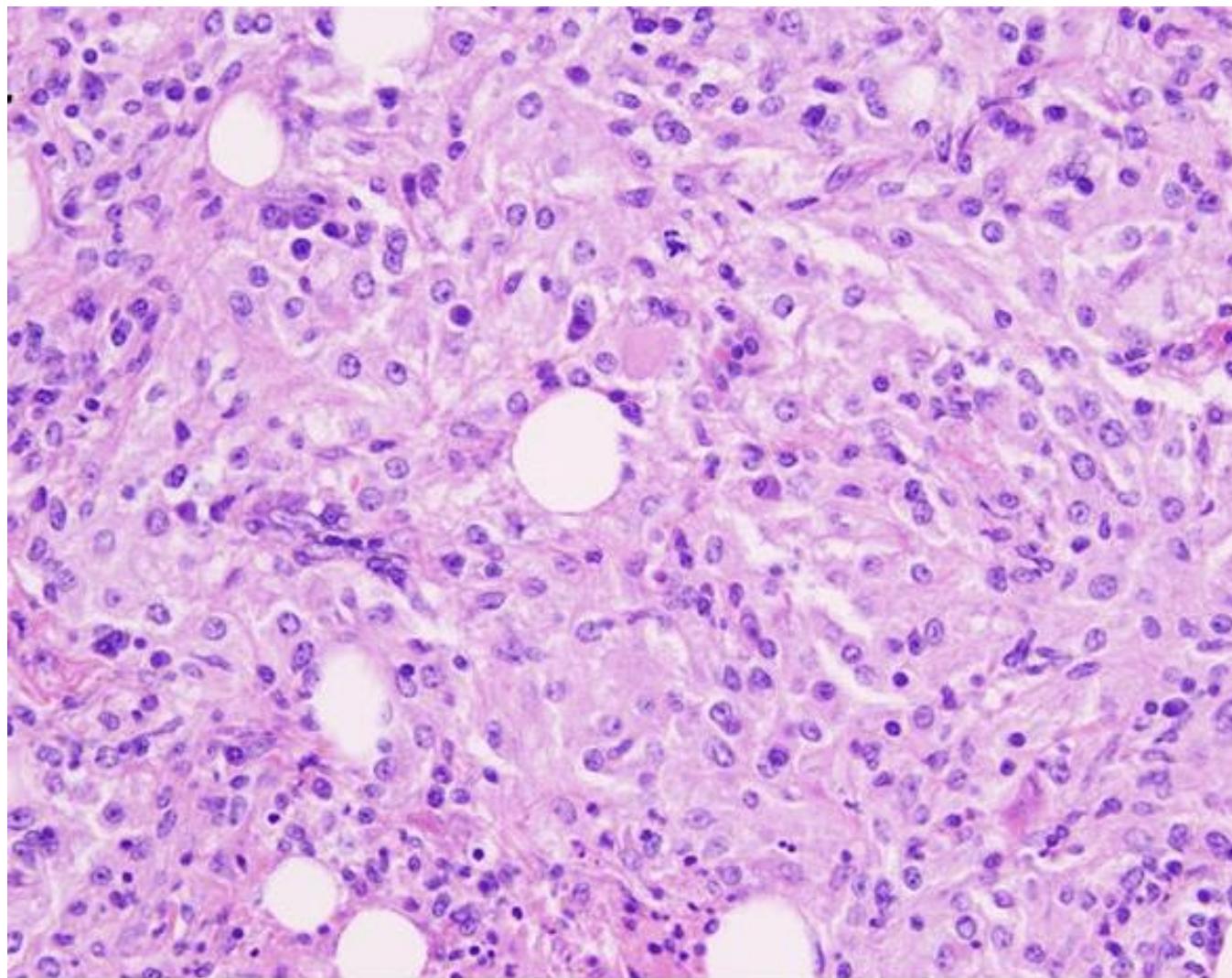
Inflammatory Myofibroblastic Tumor with ALK fusion

6-year-old with a radiolucent sclerotic lesion
in right distal femur

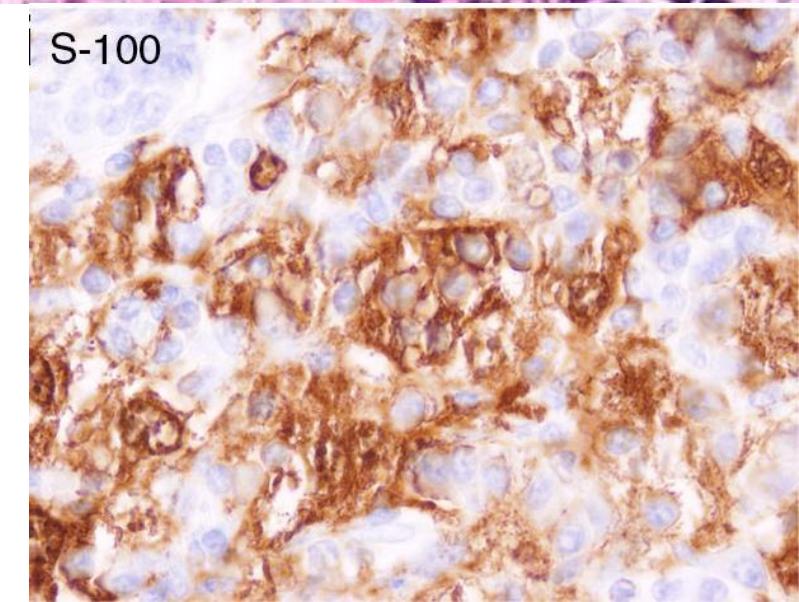


Acute Osteomyelitis

25-year-old, hand



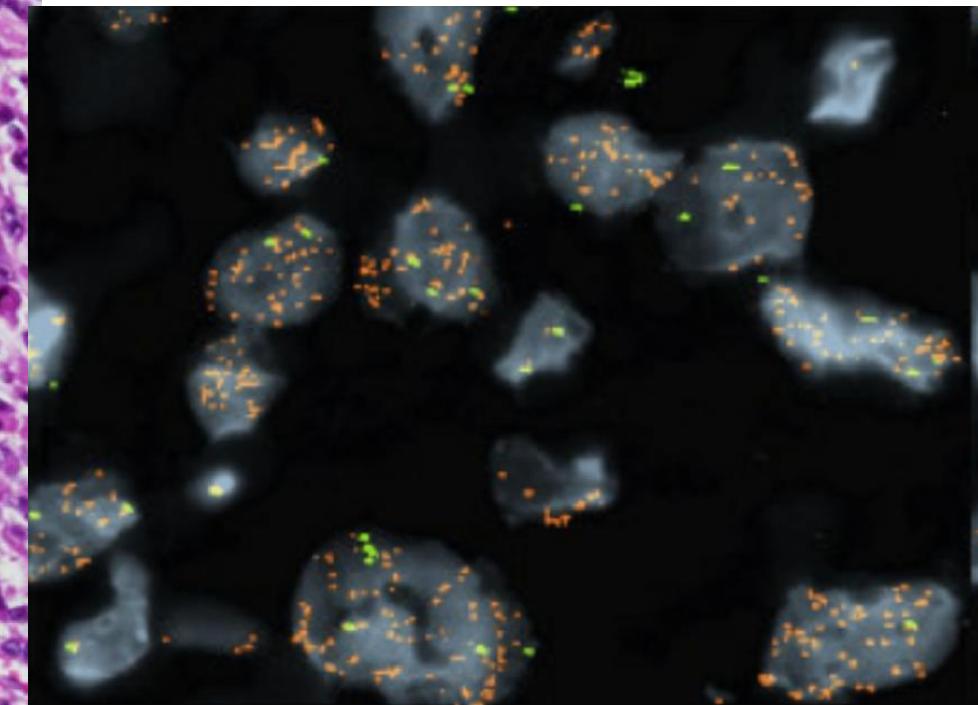
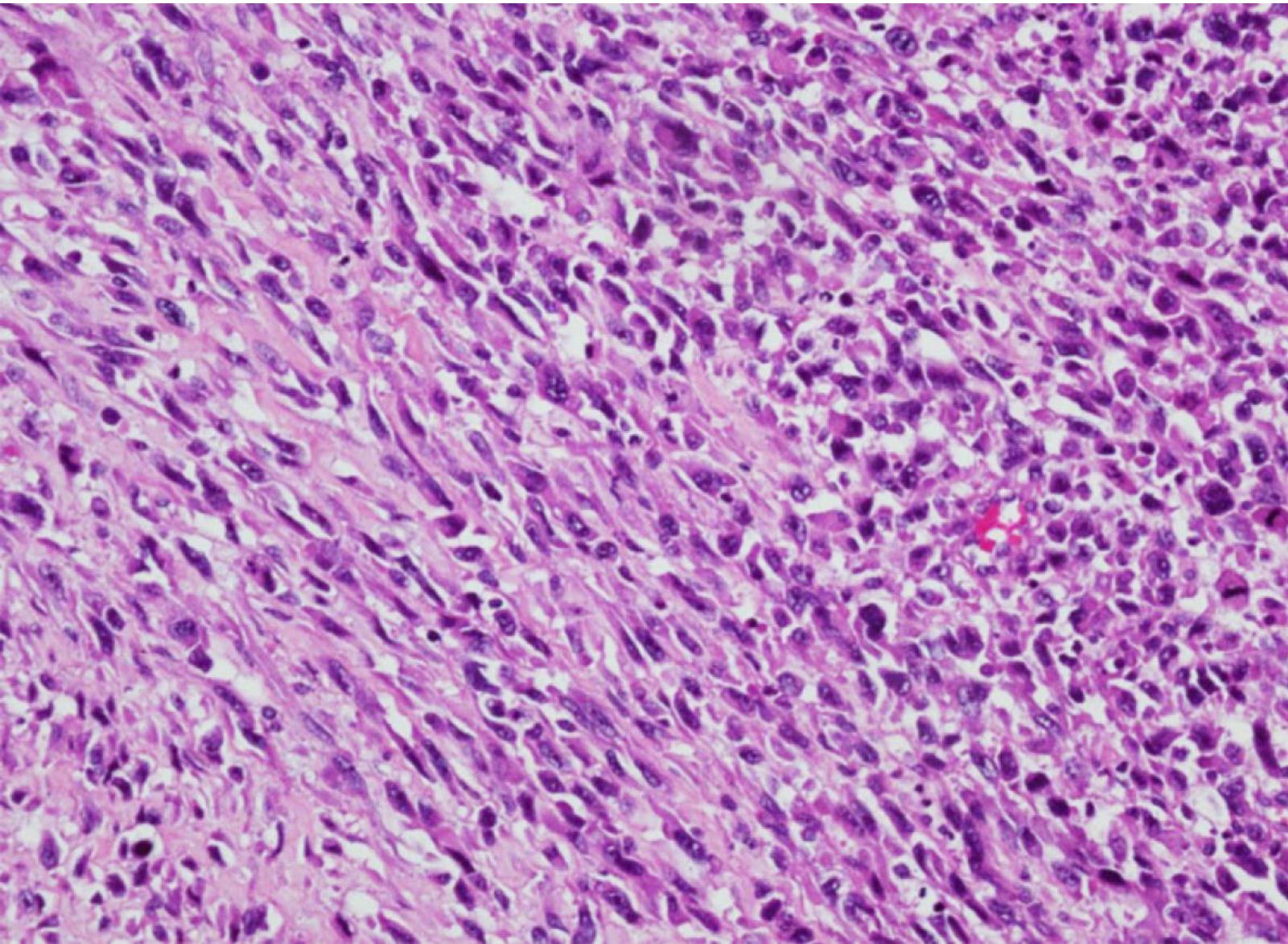
S-100



Rosai Dorfman Disease

Final Jeopardy

I am a primary sarcoma arising in the pulmonary artery.
What am I?



MDM2 FISH

Intimal Sarcoma