

# INTERACTIVE SESSION OF HEMATOLOGICAL DISEASE

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A 38-year-old male patient, refers inflammatory gluteal pain for 4 months after trauma, suspiction of sacral fracture



What is the correct diagnosis?

a. Algodystrophy b. Bone red marrow hyperplasia c. Tumoral infiltration d. Infection







# <u>LYMPHOMA</u>

Soft tissue mass and seemingly intact cortical bone

Important restricted diffusion on the DWI and ADC map (high cellularity tumor)



A 35-year-old male patient, hemophilia A, refers mild pain on right knee. No bleeding sensation in the past 7 years.



What is the correct diagnosis?

a. Hemophilic arthropaty b. Pigmented villonodular synovitis c. Gout d. Tuberculosis



sequence







Joint space narrowing Prominent subchondral cysts Fragmentation and joint deformity Low signal intensity on synovial proliferation on SWI or T2\* weighted sequences

What is the correct diagnosis?

a. Hemophilic arthropaty b. Pigmented villonodular synovitis c. Gout d. Tuberculosis









d. Infection



































A 65-year-old male patient, refers inflammatory lombar pain for 6 months



What is the correct diagnosis?

- a. Metastasis b. Leukemia c. Eosinophilic granuloma d. Infection





BENION Accentuation of vertical trabeculae Preserved Cortical Involvement of multiple vertebrae Symmetrical Large collapsed surface with the exception of the posterio-superior vertebral corner Intact posterior vertebral wall Intra discal or intra-vertebral gas Eat.content



MALIGNANT MALIGNANT Nodular bone marrow signal anomaly Cortical thin and erased Single vertebra Asymmetrical Focal collapse and involvement of the posterolateral vertebral corner <u>Posteroin vall bulging</u> No intradiscal or intra-vertebral gas <u>No fat content</u>



A 25-year-old female patient, refers pelvic pain for 3 weeks. Refers no use of corticosteroids.

What is the correct diagnosis?

a. Multiple Myeloma b. Sickle cell disease c. Lymphoma d. Infection







# Low vascularization of subchondral lesion

Edema sourrunding the lesion

Flattening of femoral head
Joint space narrowing

Osteoarthritis

Common etiologies of avascular necrosis of the femoral head Disordered lipid metabolism Systemic steroid administration Habitual alcohol use Hypertipidemia Pararceatitis Interruption of arterial supply Tartama: Fractures and dislocations of the hip latogenic: Following surgical intervention around hip Frahedie amogene, exisioning surgical intervention microlici Gauchers disease Sicole cell disease Disbatimini (calsions disease) Dagulation disorders (thromobile) Thalasemia Polysyhemia Dagulation disorders Thromobilyte and hypothrohytic states onning natations disectaineous and multitactorial Silped capital emoral epitytes Lago carle «Prime disease Congenti hip disocution Gau What is the correct diagnosis? a. Multiple Myeloma c. Lymphoma d. Infection ut temic lupus erythen eumatoid arthritis jan transplantation ancy ents



A 45-year-old male patient, refers right knee pain for 4 months after trauma





What is the correct diagnosis?

a. Algodystrophy b. Bone red marrow hyperplasia c. Tumoral infiltration d. Infection





<u>LYMPHOMA</u>

Soft tissue mass and seemingly intact cortical bone

Important restricted diffusion on the DWI and ADC map (high cellularity tumor)















A 55-year-old male patient, refers inflammatory dorsal pain for 2 months



- What is the correct diagnosis?
- a. Multiple Myeloma b. Spondyloarthritis c. Lymphoma d. Infection



Diffuse and homogeneous increa density of a vertebral body ase in

IVORY VERTEBRA SIGN

- 1. osteoblastic metastases (prostate and breast cancer)
   2. lymphoma
   3. tuberculous spondylitis (paravertebral fusiform collection)
   4. Haemanioma (traheculi

**CAUSES** 

- collection)
  4. Haemangioma (trabecullar pattern)
  5. Paget disease (vertebral body expansion and coarsened trabeculae)
- What is the correct diagnosis?
- a. Multiple Myeloma b. Spondyloarthritis
- d. Infection

