Case-Based Diagnosis Training

Patient:
Gender: male
Age: 30 years old

Clinical History:
Patient with thickening and folding of facial and scalp skin, clubbing and gigantic tumefaction of the right knee (the left knee – mild tumefaction post synovectomy), without inflammatory signs. Clinically, pseudoankilosis of the both knees, mild pain and gait difficulties.

The biological tests show no inflammatory findings.

Final Diagnosis:
Pachydermoperiostosis (PDP) – primary hypertrophic osteoarthropathy

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Additional Pictures:

In case you want to submit further pictures please add these (radiograph, ultrasound, CT or MR images) by clicking on the symbols within the boxes below:

Picture 4: **Gigantic fluid collection of the right knee**

Picture 5: **Periostosis - medial aspect of the right femur**

Picture 6: **Gigantic distension of the suprapatellar bursae – right knee**

Picture 7: **Multiple erosions of the right patella**

Picture 8: **Left femur - periosteal reaction on the both sides**

Picture 9: **Left knee with prior synovectomy - mild distension of the suprapatellar bursae; persistent patellar erosions**
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Additional Pictures:

In case you want to submit further pictures please add these (radiograph, ultrasound, CT or MR images) by clicking on the symbols within the boxes below:

- Frontal view of the right leg
- Lateral view of the right leg
- Frontal view of the left leg
- Lateral view of the left leg

Pictures 10, 11, 12, 13 show bilateral, symmetrical and circumferential periosteal reaction of the tibia and fibula (detailed view with magnifying glass).

- PA thoracic X-Ray – no tumoral opacities (excludes secondary hypertrophic osteoarthropathy – Pierre Marie syndrom)
- Sacroiliac joints with no inflammatory findings (excludes any spondyloarthropathy)
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Additional Pictures:

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- **Picture 10:** US - Gigantic collection of the knee joint
- **Picture 11:** US - innumberable synovial proliferation nodules in the knee joint
- **Picture 12:** US view - fluid and synovial nodules - knee joint
- **Picture 13:** US panoramic view of the knee
- **Picture 14:** US view - soft tissue hypertrophy of the nail matrix and bed
- **Picture 15:** US view - watch glass shape of the nail
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Additional Pictures:

In case you want to submit further pictures please add these (radiograph, ultrasound, CT or MR images) by clicking on the symbols within the boxes below:

Picture 10: Gigantic tumefaction of the right knee
Picture 11: Clubbing
Picture 12: Folding facial skin

Picture 13: Folding scalp skin

Picture 14:

Picture 15: