

Joint Symposium 16

Bone & Joint Committee / European Association for Cranio Maxillo Facial Surgery (EACMFS)

Saturday, October 24, 10:40-12:10

Session Title

Role of Hybrid Imaging in Jaw and Skull Conditions

Chairperson

Tim van den Wyngaert (Antwerp, Belgium)

Programme

10:40 - 11:09 Bente Brokstad Herlofson (Oslo, Norway / EACMFS): Jaw Osteomyelitis / Osteonecrosis - Clinical Presentation, Diagnosis, Therapy

11:09 - 11:38 Klaus Strobel (Lucerne, Switzerland): Jaw Osteomyelitis / Osteonecrosis – Imaging

11:38 - 12:07 Emmanouil Panagiotidis (Thessaloniki, Greece): Incidental Findings in Jaw and Skull on Bone Scan and SPECT/CT

Educational Objectives

1. to understand the clinical presentation and therapy of osteomyelitis/osteonecrosis of the jaw
2. to show advantages and limitations of morphologic (x-ray, CT, MR) and hybrid imaging modalities in osteomyelitis/osteonecrosis of the jaw
3. to learn how to deal with incidental uptake in the jaw and skull on bone scintigraphy and hybrid imaging

Summary

Jaw osteomyelitis and osteonecrosis are severe painful diseases requiring adequate therapy. In the first lecture of this session an experienced jaw surgeon gives an overview about the risk factors, clinical presentation, diagnosis and therapy of osteomyelitis/osteonecrosis of the jaw. Many different morphologic (x-ray, CT, MRI) and metabolic (conventional scintigraphy, SPECT/CT, infection imaging, PET/CT) imaging modalities can be used to establish the diagnosis and assess the extension of jaw osteomyelitis/osteonecrosis and to show complications like abscess or fractures. Imaging plays also an important role for therapy response assessment. In the second talk of the session the advantages and limitations of the available imaging modalities will be discussed.

Incidental uptake in the jaw and skull on planar bone scintigraphy and SPECT/CT might occur. In the third talk of this session the imaging characteristics of the different causes of incidental jaw/skull uptake like fibrous dysplasia or hemangioma and strategies for further clarification will be discussed.

Key Words

Osteonecrosis, osteomyelitis, SPECT/CT, Skull, Jaw