
Demographic: Female, 65 yrs, America North, General speciality

Clinical features extracted from the case and entered into the query box:
nonhealing mandible ulcer
gingival inflammation
mucosal ulceration with exposed bone

Synonyms used by Isabel for the above query:
None

STOP!

Before you read further you might want to construct your own:

- Complete differential diagnosis
- Final diagnosis

In the following section you will find:

- The differential diagnosis constructed by the MGH panel
- The final diagnosis of the case
- Which of the MGH panel differential diagnoses did Isabel contain
- Did Isabel suggest the Final diagnosis

Differential Diagnoses considered by the MGH panel:
Untreated or inadequately treated osteomyelitis
Cancer or the effects of its treatment - Bisphosphonate-Related Osteonecrosis of the Jaw

Final Diagnosis of the case according to NEJM:
Gingival ulceration, inflammation, and acute osteomyelitis with actinomyces, all associated with necrosis of bone (bisphosphonate-related osteonecrosis of bone).
Differential Diagnoses of the case as given by Isabel:
Bisphosphonate-Related Osteonecrosis of jaw – under Infectious diseases heading, under Osteomyelitis & Septic Arthritis diagnosis

Was the final diagnosis given by Isabel:
Yes, under Infectious diseases heading
Isabel Differential:

- Infectious Diseases
  - Osteomyelitis and Septic Arthritis
    - Why did this diagnosis come up?
    - We matched the terms: nonhealing | NONHEAL | MANDIBL | mandible | ULCER | ulcer | ulceration | GINGIV | gingival | INFLAMM | inflammation | MUCOS | mucosal | EXPOS | exposed | BONE | bone
    - Degree of match between query entered and Isabel database (Not clinical probability): 88%
    - Hematogenous Osteomyelitis
    - Osteomyelitis of the Jaw
    - Bisphosphonate-Related Osteonecrosis of Jaw
    - Tuberculosis
- Rheumatic Diseases
  - SLE
- Neoplastic Diseases
  - Colorectal Cancer
- Respiratory Disorders
  - Sarcoidosis
- Toxicology
  - Environmental/UI Work Exposure
- Ophthalmology
  - Elephantis
- Environmental Health Hazards
  - Spider Bites

Other categories:
- Gastrointestinal Disorders
  - Celiac Disease
- Dermatology
  - Non-Melanoma Skin Cancer
  - Steven-Johnson Syndrome
- Vascular Disorders
  - Chronic Venous Insufficiency
- Gynecological Disorders
  - Vaginal Carcinoma
- Immunologic System
  - Chronic Granulomatous Disease
- Hematology
  - Aplastic Anemia