**Case 21 (July 13 2006):**  

**Demographic:** Male, 61 yrs, America North, General speciality

**Clinical features extracted from the case and entered into the query box:**
Chronic unilateral facial pain  
sharp, electrical or lancinating pain when eating, talking or touching facial hair  
duller, throbbing pain over the maxilla, lips, and lower jaw, sensitivity over maxillary and mandibular bone

**Synonyms used by Isabel (optional) for the above query:**  
none

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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:**

Differential diagnoses for chronic facial pain includes inflammatory, infectious, and neoplastic processes
• Trigeminal Neuralgia

• Dental pathology - broken teeth, dental caries, root abscesses

• Causes of Secondary Trigeminal Neuralgia - Multiple Sclerosis and acoustic neuroma; tumors and cysts in the cerebellopontine angle

• Atypical Facial Pain

Final Diagnoses of the case according to NEJM:
Left trigeminal neuralgia

Differential Diagnoses of the case as given by Isabel:
Trigeminal neuralgia – Isabel 1st page
Dental occlusion – Isabel 1st page
Oral cancer – Isabel 1st page

Was the final diagnosis given by Isabel:
Yes, Isabel 1st page

Entire presentation cut and pasted into the Isabel query box:
Trigeminal neuralgia – Isabel 1st page
Oral cancer – Isabel 1st page
Dental occlusion – Isabel 2nd page
Isabel differential:

**GASTROINTESTINAL DISORDERS**
- Dental Oclusion
- Oral Cancer

**RHEUMATIC DISEASES**
- Giant Cell Arteritis

**ORTHOPEDIC DISORDERS**
- TM Joint syndrome
- Paget’s Disease

**NEOPLASTIC DISEASES**
- Langerhans Cell Histiocytosis
- Carcinoid Syndrome

**DISORDERS OF THE EAR**
- External Otitis
- Otitis Media Complications

**NERVOUS SYSTEM DISORDERS**
- Trigeminal Nerve Disorders
- Migraine
- Brain Neoplasms
- Syringomyelia

**RESPIRATORY SYSTEM DISORDERS**
- Sinusitis
- Sarcoidosis
- Bacterial Pneumonia

**NEUROMUSCULAR DISORDERS**
- Polyneuropathy Disorders
- Muscular Dystrophies

**INFECTION DISORDERS**
- Lyme Disease
- Herpes Zoster