

# OM case report

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# General data

- Name : 陳X X
- Sex : male
- Age : 25 y/o
- Native : 高雄縣
- Marital status :  
unmarried
- Occupation : 學生
- Attending V.S. :  
陳中和 醫師
- First visit : 96/03/14



# Chief Complaint

- Pain over lower left posterior gingival area for one month, especially when eating or drinking



# Present Illness-1

- Several months ago, he felt tooth mobility of left lower molars, so he went to LDC for help but the dentist told him that all were OK.
- One month ago, he went to USA for study. During that time, he felt pain attacked over buccal gingival and mucosal of lower posterior area. So, he went to LDC in States for help again. After CT examination in hospital, he was informed that there was a lesion in his mandible. It may be a cyst or tumor. Hence, he came back to Taiwan for further treatment.



# Present Illness-2

- **96/03/14**

**Visited our OPD and received CT scan**

- **96/03/28**

**Extraction of tooth 38 and incisional biopsy was performed.**



# Past History



- **Past Medical History**
  - Hepatitis B
  - Denied any systemic disease
  - Denied any drug or food allergy
- **Past Dental History**
  - O.D. treatment
- **Experience of dental treatment:**
  - Cooperative



# Personal History



- Risk factors related to malignancy
  - Alcohol : (-)
  - Betel quid : (-)
  - Cigarette : (-)





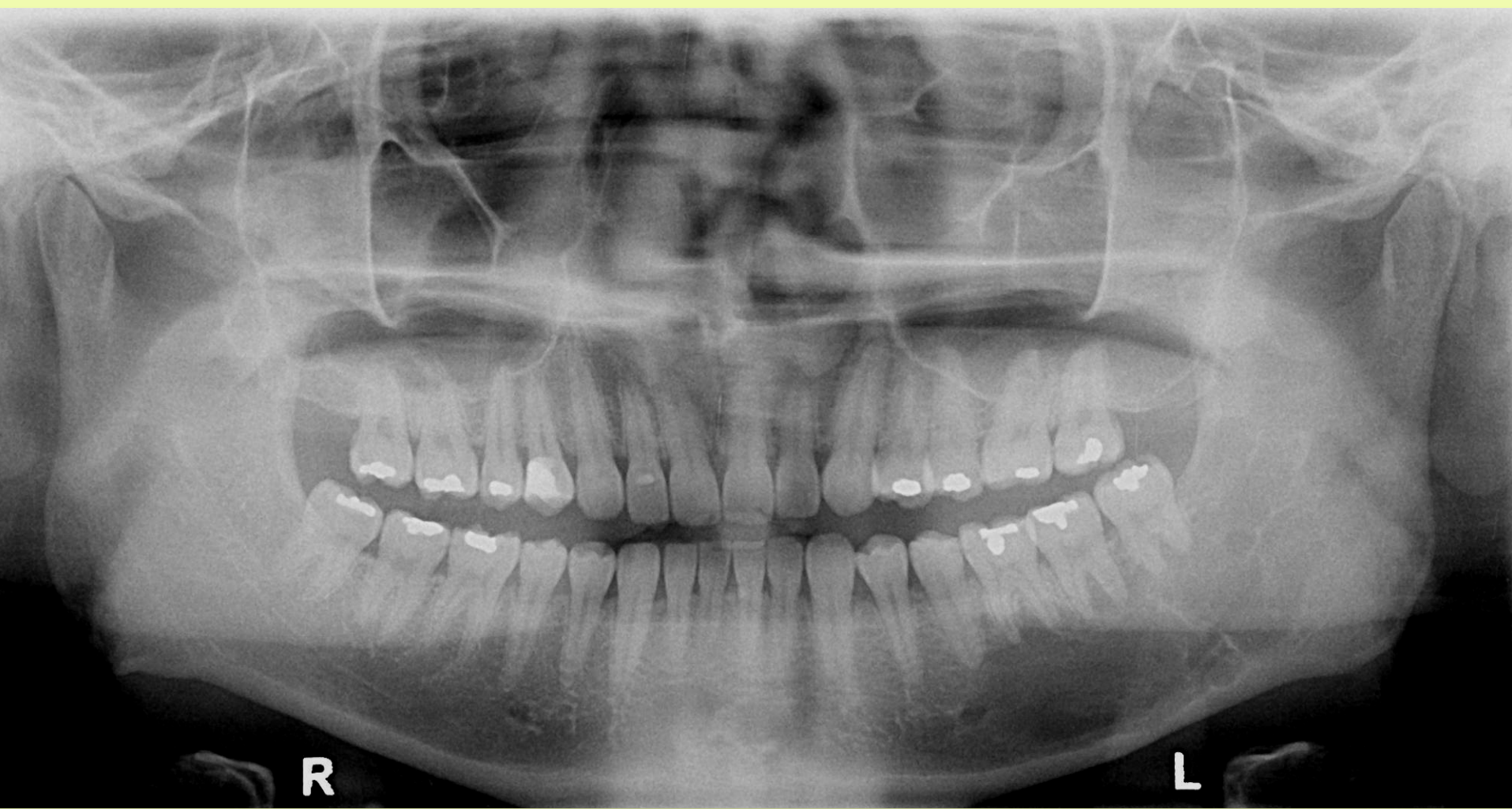
# OMF Examination

- Numbness (-)
- Mucosa: intact (mild reddish)
- No obvious bony expansion
- No fistula; no discharge





# Image finding – Panorex on 960314



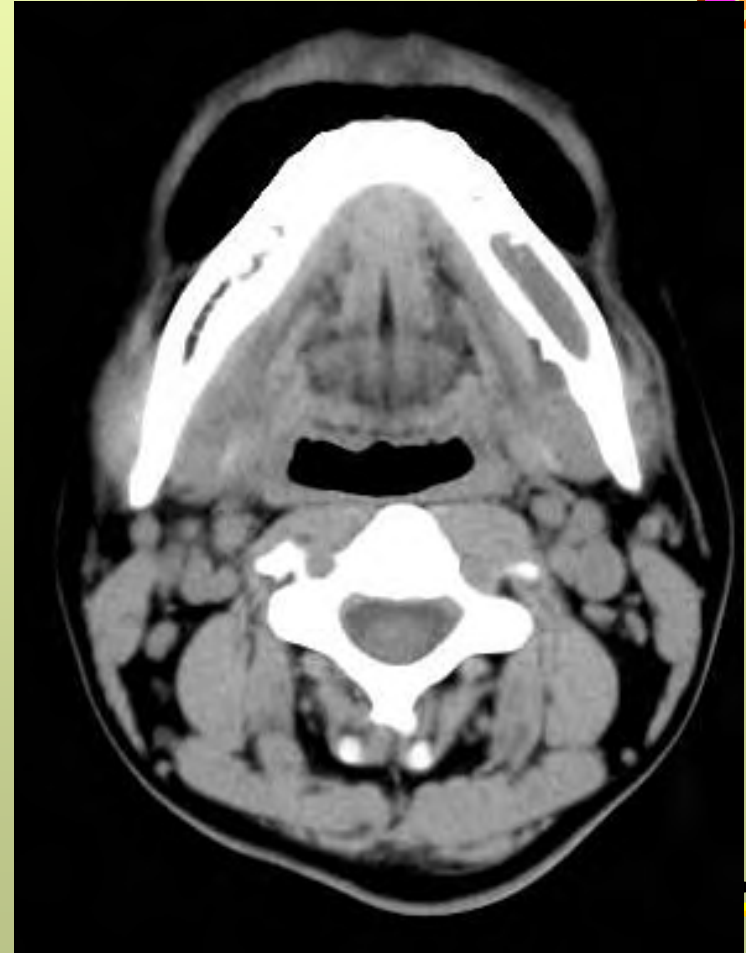
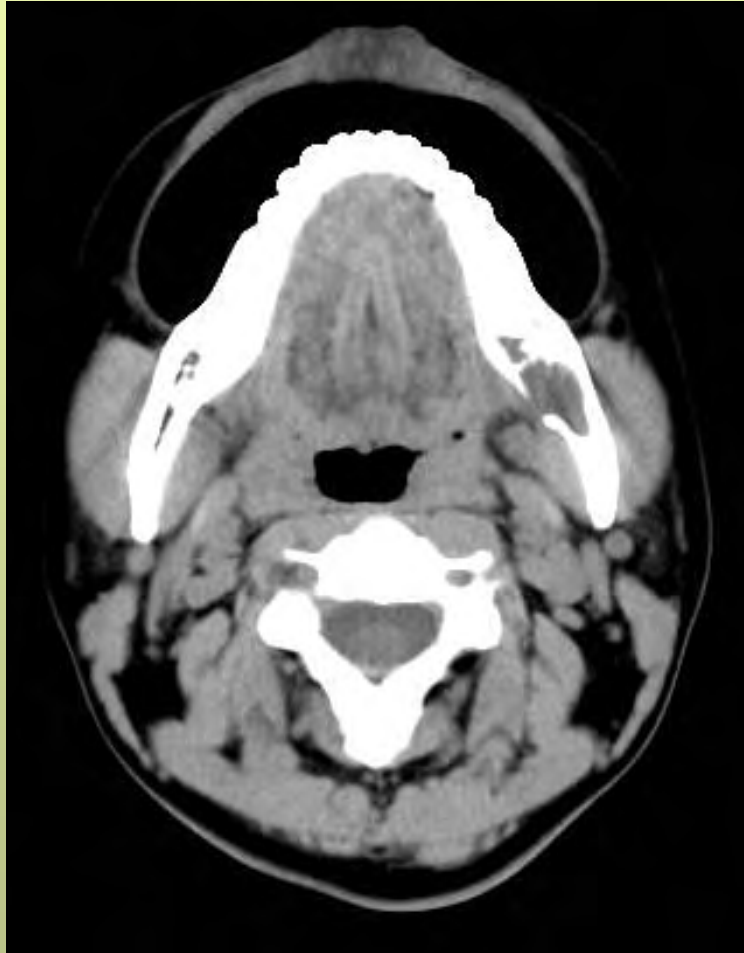
# Image finding – CT on 96/03/14

## Impression:



- 1) Compatible with ameloblastoma with **cortical destruction at left mandibular body and ramus.**  
Suspect cortical breakthrough at left mandibular angle.
- 2) Small hypodense lesions in bilateral thyroid gland, suggest further evaluation.
- 3) Small lymph nodes (<1cm) in submental, bilateral submandibular, bilateral jugulodigastric and bilateral posterior cervical spaces.







# Differential diagnosis

## Inflammation, Cyst, or Neoplasm?

- Fever or local heat (-)
- Fluctuation (-)
- Pus (-)
- Destruction of mandible (+).....

**cortical destruction at left mandibular angle**

*Neoplasm or Cyst*



## Benign or Malignant ?

- Pain (?)
- Tenderness (-)
- Ulceration (-)
- Numbness (-)
- Slow growing (?)
- Tooth mobility(+)
- Well-defined multilocular radiolucency

***Benign***



## Peripheral, Intra-bony ?

- Mucosal lesion (-)
- Induration (-)
- Bony destruction (+)
- Bony expansion (+): mild

*Intra-bony*





# Working Diagnosis

- Ameloblastoma
- Odontogenic myxoma
- Odontogenic keratocyst
- Ameloblastic fibroma
- Aneurysmal bone cyst



	Ameloblastoma	Our case
Age, sex	20~50 y/o male	○
X-ray	Well-defined , unilocular or multilocular R-L	○ ○
Jaw	Molar-ramus area	○ ○
Pain	Asymptomatic, painless	-----
Growth	Slow growth	-----
bony expansion	Bony expansion	○
Effects on tooth	Root resorption and tooth displacement	○ ○



# Ameloblastoma



	Odontogenic myxoma	Our case
Age, sex	25~35y/o, no sex predilection	<input type="radio"/>
X-ray	Multilocular or Unilocular R-L, honeycomb or tennis-racket pattern.	<input type="radio"/> <input type="radio"/>
Jaw	Any area of jaws , mand. > max.	<input type="radio"/>
Pain	Painless	-----
Growth	Slowly enlarging	-----
Swelling	Expansion of the jaw	<input type="radio"/>
Effects on tooth	Migration of teeth, root resorption	<input type="radio"/> <input type="radio"/>

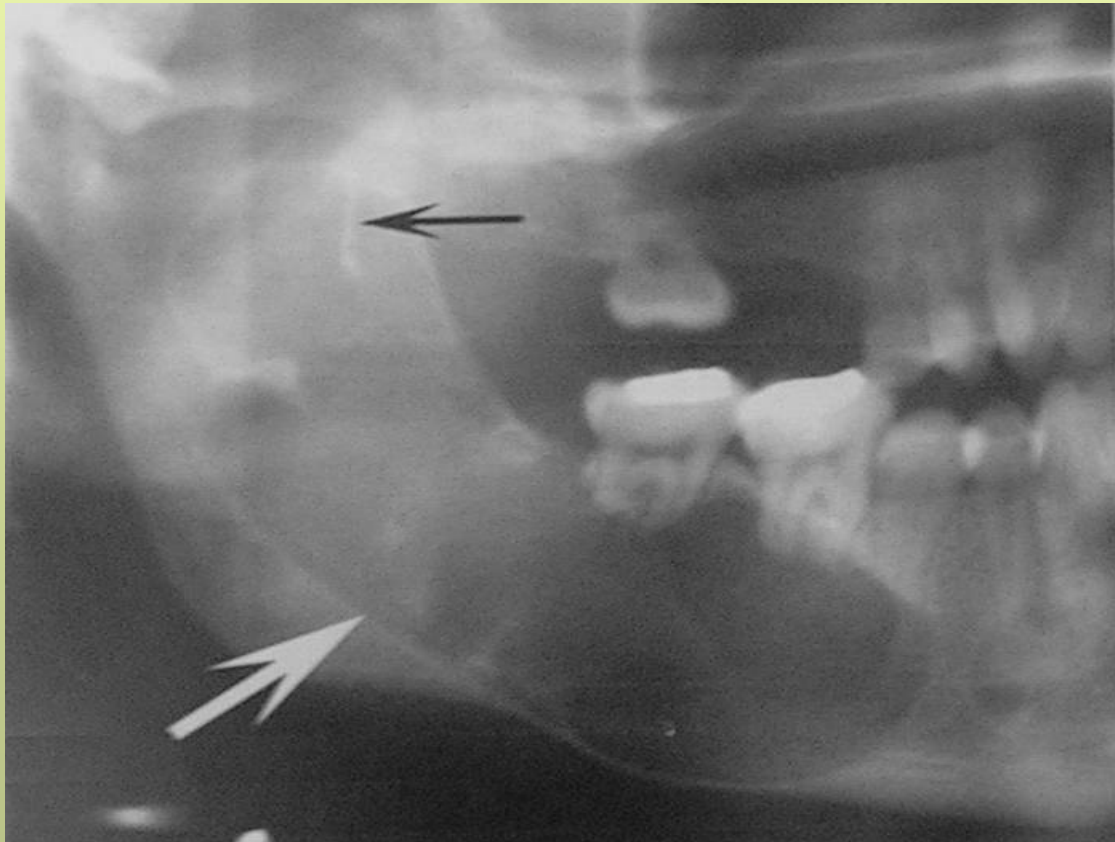




	Odontogenic keratocyst	Our case
Age, sex	10~40 y/o (about 60%), slight male	○
X-ray	Well-defined multilocular R-L	○
Jaw	60~80% in mandible, especially in the posterior body and ascending ramus	○ ○
Pain	Small: asymptomatic, painless Large: pain, swelling, or drainage	-----
Growth	Slowly growing	-----
bony expansion	Mild bony expansion and thinning of cortical plates	○
Effects on tooth	Less root resorption	X



# Odontogenic keratocysts



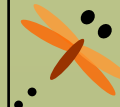


	<b>Ameloblastic fibroma</b>	<b>Our case</b>
<b>Age, sex</b>	<b>&lt;20 y/o male,</b>	<b>X</b>
<b>X-ray</b>	<b>Unilocular or multilocular RL</b>	○
<b>Jaw</b>	<b>Posterior mandible, 75% unerupted tooth</b>	<b>X</b>
<b>Pain</b>	<b>Painless</b>	-----
<b>Growth</b>	<b>Slowly growing</b>	-----
<b>Swelling</b>	<b>Bony expansion &amp; facial swelling</b>	○
<b>Effects on tooth</b>	<b>Displacement of the involved teeth</b>	<b>X</b>





	Aneurysmal bone cyst	Our case
Age, sex	< 30 y/o	○
X-ray	Well-defined multilocular R-L( soap-bubble)	○
Jaw	more in mandible	○
Pain	often pain	-----
Growth	Growing rapidly	-----
bony expansion	Bony expansion and thinning of cortical plates	○
Effects on tooth	Displacement or resorption the involved teeth	○ ○ ○



# Aneurysmal bone cyst



# Impression

- **Ameloblastoma over left mandibular body and ramus**



Thanks for your attention ! !

