

# 口腔病理診斷科

## CASE REPORT

報告日期：**97/11/25**

指導老師：林立民教授 陳玉昆主任

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# General data

- ◎ Name : 柯 X X
- ◎ Sex : 男
- ◎ Age : 16 y/o
- ◎ Native : 高雄市
- ◎ Marital status : 未婚
- ◎ Attending V.S. : 孫章唐醫師
- ◎ First visit : 94.07.23
- ◎ 本次報告初診日期 : 97.11.04

# Chief complaint

- A radiolucenct shadow over right lower third molar area area

# Present illness

- This 16 y/o male suffered from a mild swelling with tenderness and discharge at tooth 38 area

# Past history

- ⦿ Past medical history
  - Thalassemia
- ⦿ Past dental history
  - Extraction
  - Periodontal Tx

# Personal habits

- ⦿ Risk factors relate to malignancy
  - Alcohol (-)
  - Betel quid (-)
  - Cigarette (-)

# Extra oral examination

- ⦿ Facial asymmetry : unknown
- ⦿ Paresthesia or numbness : unknown

# OMF examination

- Size : 1 X 2 cm
- Surface : rough
- Base : sessile
- Shape : nodule
- Consistency : unknown
- Color : unknown
- Pain : unknown
- Tenderness : positive
- Induration : unknown
- Lymphadenopathy :





# Image Finding

# Image Finding

- Well-defined unilocular, corticated, radiolucent over L't mandible, extending from 37 distal to middle of ascending ramus, from 38 edentulous ascending ramus area down to mandibular canal, approximately 4.0x2.0cm in dimension. Cortical border of mandible is thinning .



# Image Finding

- ⦿ Missing:38 48
- ⦿ Filling:16
- ⦿ Uneruption:18 28



# DIFFERENTIAL DIAGNOSIS

# Inflammation or Cyst or Neoplasm

- Fever or local heat (+/-)
- Pain (+/-)
- Pus discharge(+)
- Bony expansion(+)

Cyst or Neoplasm

# Benign or Malignant

- ⦿ Tenderness (+)
- ⦿ Ulceration (-)
- ⦿ Numbness (-)
- ⦿ Well-defined radiolucency
- ⦿ Slow growing (+)

Benign

# Peripheral, Intra-bony origin

- Induration(-)
- Bony destruction (+)
- Bony expansion (+)

Intra-bony origin

# Working Diagnosis

- Odontogenic keratocyst
- Unicystic ameloblastoma
- Ameloblastoma with cystic degeneration



# Odontogenic keratocyst

|                  | Odontogenic keratocyst                         | This case                   |   |
|------------------|--|-----------------------------|---|
| Age, sex         | 10~40 y/o, slight male                         | 16 y/o male                 | 😊 |
| X-ray            | Well-defined multilocular R-L                  | Well-defined unilocular R-L |   |
| Jaw              | 60~80% in mandible, unerupted tooth            | Mandible                    | 😊 |
| Pain             | Small: painless<br>Large: pain                 | Unknown (may be not)        | 😊 |
| Growth           | Slowly growing                                 | Slowly growth               | 😊 |
| Swelling         | Bony expansion and thinning of cortical plates | Thinning of cortical plates | 😊 |
| Effects on tooth | Less root resorption                           | none                        | 😊 |

# Amelablastoma(Unicycstic type)

|                     | Amelablastoma                             | This case                      |   |
|---------------------|---|--------------------------------|---|
| Age, sex            | 23 y/o male                               | 16 y/o male                    | 😊 |
| X-ray               | Well-defined ,<br>unilocular R-L          | Well-defined unilocular<br>R-L | 😊 |
| Jaw                 | Molar-ramus area                          | Mandible                       | 😊 |
| Pain                | Painless, paresthesia<br>of the lip       | Unknown (may be not)           | 😊 |
| Growth              | Slowly growth                             | Slowly growth                  | 😊 |
| Swelling            | Bony expansion                            | Thinning of cortical<br>plates | 😊 |
| Effects on<br>tooth | Root resorption and<br>tooth displacement | none                           |   |

# Impression

- **Infected odontogenic keratocyst over left posterior mandible.**

# Biopsy

- The specimen submitted consisted of 3 soft tissue fragment in 1 bottle fixed in formalin measuring up to 0.7x0.3x0.2 cm in size.
- Grossly, they are white to grayish in color and rubbery in consistency.
- Microscopically, it show Odontogenic Keratocyst

THANKS FOR  
YOUR ATTENTION