

Case report

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指導老師:林立民 陳玉昆 王文岑 陳靜怡

組員: Intern E組

曹博竣 張家禎 黃華卿 沈明萱

General data

- Name: 吳XX
- Gender :女
- Age:15
- Native:台灣
- Occupation:學生
- Attending V.S: 黃逸岳醫師
- First visit:96.08.22

Chief complaints

- Swelling over right submandibular area for about 4 years.

Present illness

960822

- this 15 y/o female first came to our OPD on 960822 due to swelling over R't submandibular space for about 4 years, especially after meals, then she was taken the occlusal film and sialolithiasis was impressed, then she was refered to Dr. 黃逸岳

Past history

- Past medical history
 1. Denied any drug and food allergy
 2. Denied other major systemic diseases
 3. Hospitalization experience (-)
 4. Major surgery under GA (-)
- Past dental history
 1. Experience of regular dental tx: acceptable
 2. Oral hygiene: poor

Personal history

- Alcohol(-)
- Betel quid(-)
- Cigarette (-)

Oro-maxillo-facial examination

- Size: 6 x 5 cm
- Surface: smooth
- Base: sessile
- Shape: dome shaped
- Color: unknown
- Consistency: soft
- Fluctuation: unknown
- Mobility: fixed
- Pain: (-)
- Tenderness: (-)
- Induration: (-)
- Lymphadenopathy: (-)

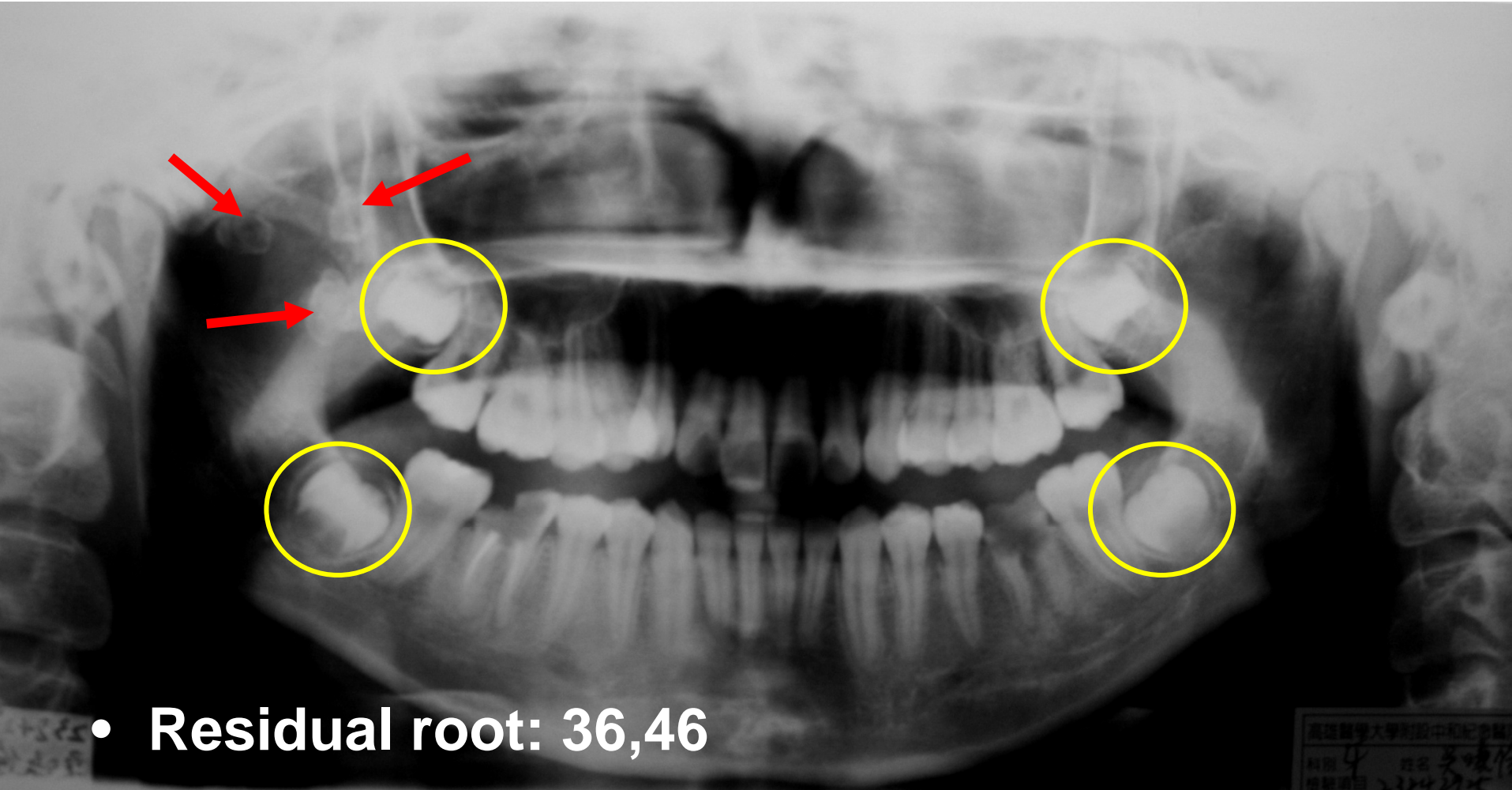
960822 occlusal film Image finding



960823 occlusal film Image finding

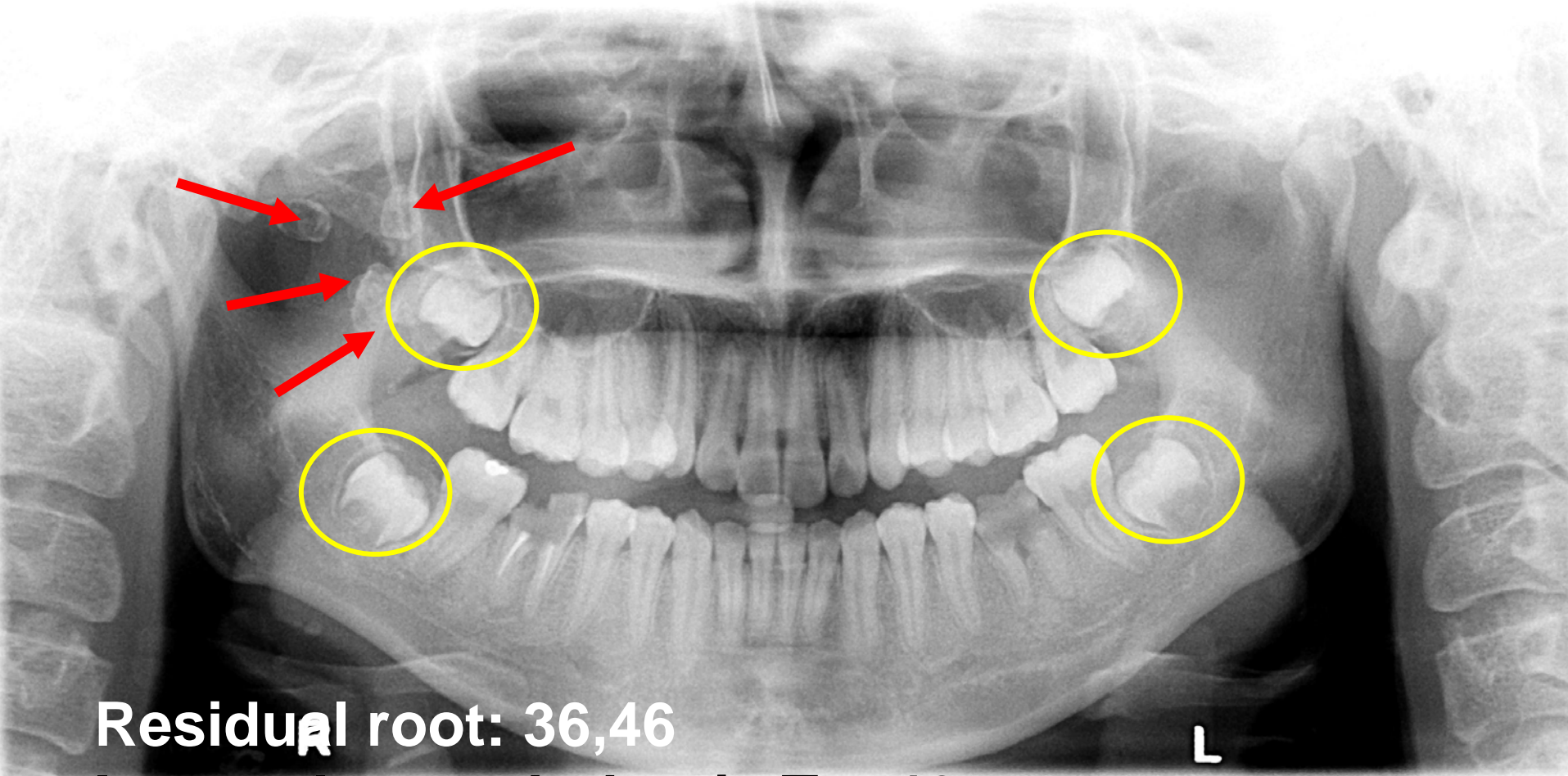


960828 panorex Image finding



- **Residual root: 36,46**
- **Incomplete endodontic Tx: 46**
- **Metal material filling: 47**

970724 panorex Image finding



Residual root: 36,46

Incomplete endodontic Tx: 46

Metal material filling: 47

CT finding 20070824

- A huge low attenuation mass(3.11cm*3.43cm*3.68cm)is shown in the right submandibular gland.
- Some tiny calcific nodules are found inside of the mass.
- Minimal amorphous enhancement is shown in the mass of the right submandibular gland.
- neck anatomical spaces are essentially clear and preserved.
- Trachea patent without foreign body.
- The bony structure is intact.
- No regional lymph node enlargement could be identified, but some small visible lymph (<1cm)are found in the submental space.

MRI findings20080731

- lobulated masses involving submandibular and masticator space.
- 3.6*2.9 cm in submandibular space and 2.8*1.6 cm in masticator space.
- these two lesions show iso-intensity on T1-weighted images and intense high signal intensity on T2-weighted images.
- several signal void nodules within these two lesions are noted,
- the adjacent soft tissue is not infiltrated , the surrounding bony structures are intact.
- above the lesion in the right mandible, the submandibular gland is displaced upward.

Differential Diagnosis

- Inflammation or neoplasm ?
 - Fever or Local heat : unknown
 - No purulent drainage was presented
 - Lymphadenopathy : (-)
- Duration : 3~4 years
- ➔ neoplasm tendency

- **Benign or malignant neoplasm ?**

- Pain: (-)
- Tenderness: (-)
- Induration: (-)
- Lymphadenopathy : (-)
- Facial n. palsy: (-)
- Mobility: fixed
- Ulceration: (-)
- Duration: 3~4 years

→ **Benign tendency**

working diagnosis

- Hamangioma
- Sialolithiasis
- Tuberculosis
- Foreign body

	Our case	Hemangioma
gender	female	female :male=3:1
Age/race	16 y/o	Young age/whites
symptom	asymptomatic	
Site	Submandibular, infratemporal space	head and neck
Color	?	bright-red ;bluish
consistency	soft	firm and rubbery
size	5 cm x 5 cm	varies
surface	smooth	smooth
shape	dome-shaped	nodular or dome
duration	3~4 years	6~10 months
X-ray finding	Radiopaque mass	Radiopaque mass

	Our case	Sialolithiasis
gender	female	-
Age/race	16 y/o	Young and middle-age adult
Symptom	asymptomatic	Swelling, esp. at meal
Site	Submandibular, infratemporal space	Submandibular gland
Color	?	?
consistency	soft	soft
size	5 cm x 5 cm	Varies
surface	smooth	Smooth
shape	dome-shaped	Varies
duration	3~4 years	Varies
X-ray finding	Radiopaque mass	Radiopaque mass

	Our case	Tuberculosis
gender	female	-
Age/race	16 y/o	Young and middle-age adult
Symptom	asymptomatic	Enlarge of numerous cervical lymph node
Site	Submandibular, infratemporal space	Lung, lymphatic system, skin, skeletal system...
Color	?	?
consistency	soft	-
size	5 cm x 5 cm	Varies
surface	smooth	-
shape	dome-shaped	Varies
duration	3~4 years	Varies
X-ray finding	Radiopaque mass	Radiopaque mass

Clinical impression

- hemangioma with phleboliths over R't infratemporal space and submandibular space

Thanks for your attention!