

口腔病理 101年度十大病例

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日期:1020628

CASE 1

■ **Name:** 賴 0 0

■ **Age:** 35

■ **Gender:** Female

■ **Chief Complaint**

Referred from a local dentist due to two lesions over lower jaw found for 3 days

■ **Present Illness**

This 35 y/o female went to a local dental clinic for routine dental examination 3 days ago. The dentist found two lesions over her lower jaw and referred her to our hospital.

PAST HISTORY

- **Past medical history**

Systemic disease: all denied

Hospitalization: 生產

Drug allergy: voren, keto

- **Past dental history:** nothing particular

- **Habits:** alcohol (-), smoking (-), betel nut chewing (-)

OROMAXILLOFACIAL EXAM

- **Extra-oral exam**

 - Facial asymmetry(-)

- **Intra-oral exam**

1. Swelling(-)
2. Pain(-)
3. Covering mucosa:
intact
4. Dental finding:
spacing
5. Other finding:
Not available

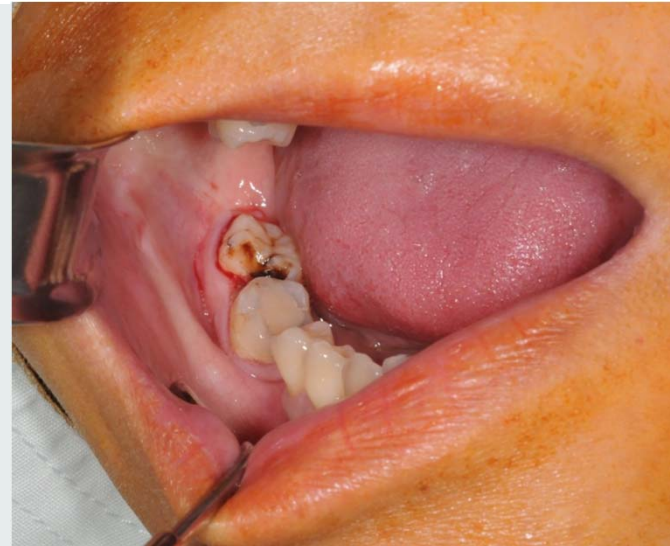
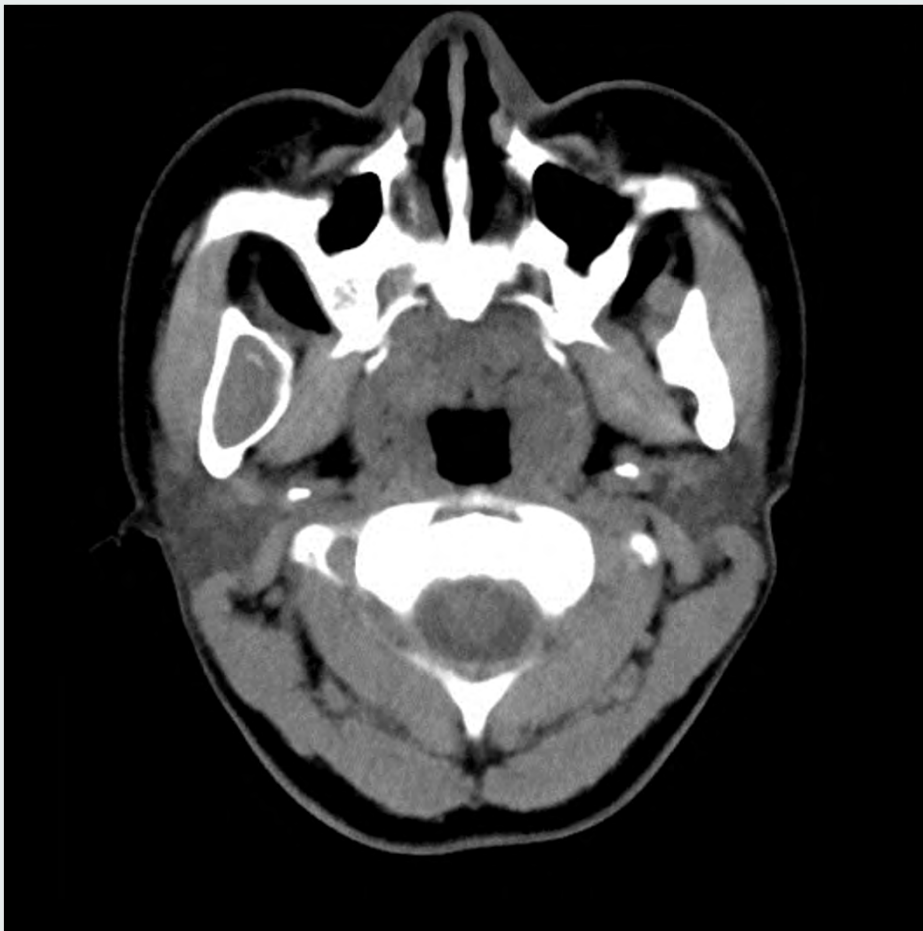


IMAGE FINDING - PANOREX



IMAGE FINDING – CT



IMPRESSION

- **Clinical impression**

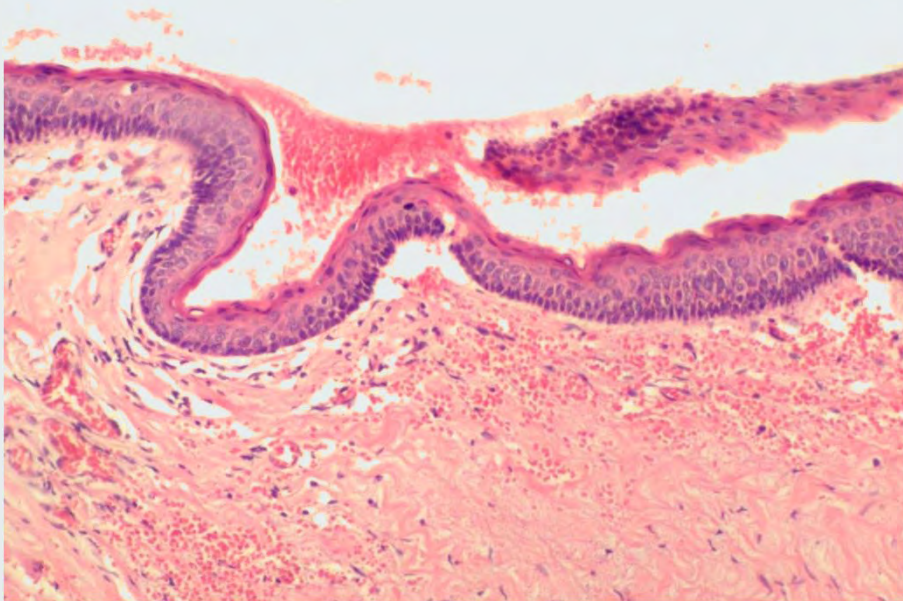
Odontogenic cyst over bil. mandibular ramus

- **CT report**

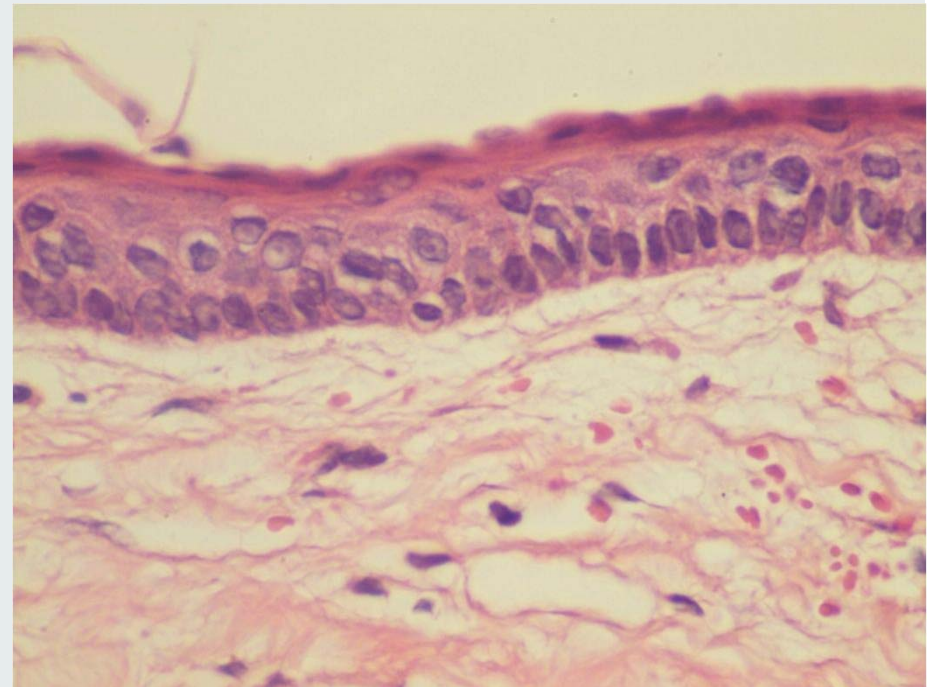
Unilocular expansile cystic lesions at bilateral mandibular bodies

HISTOPATHOLOGIC FINDING

Right Ramus – 100X

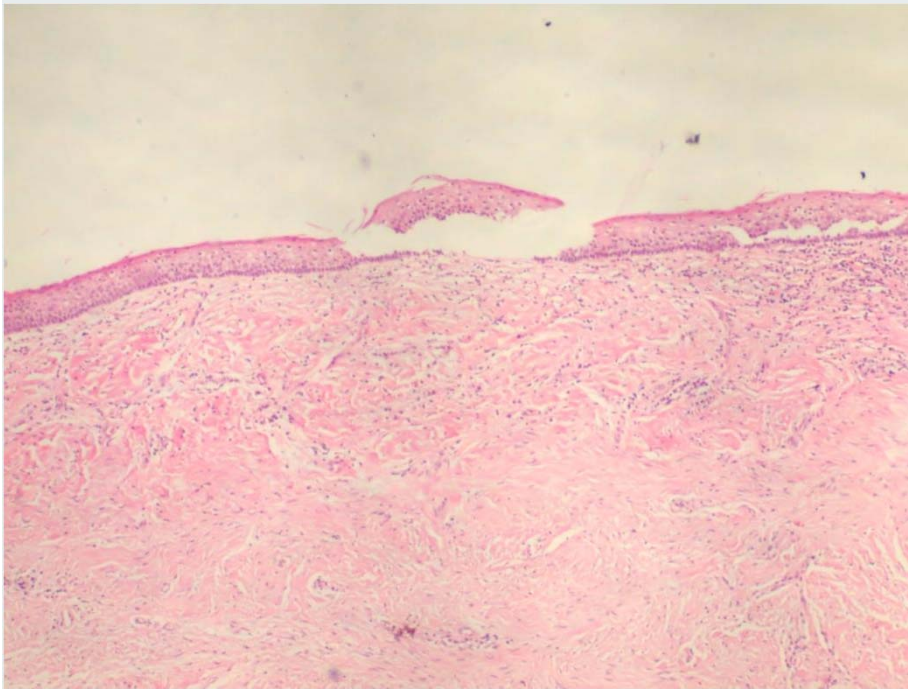


Right Ramus – 400X

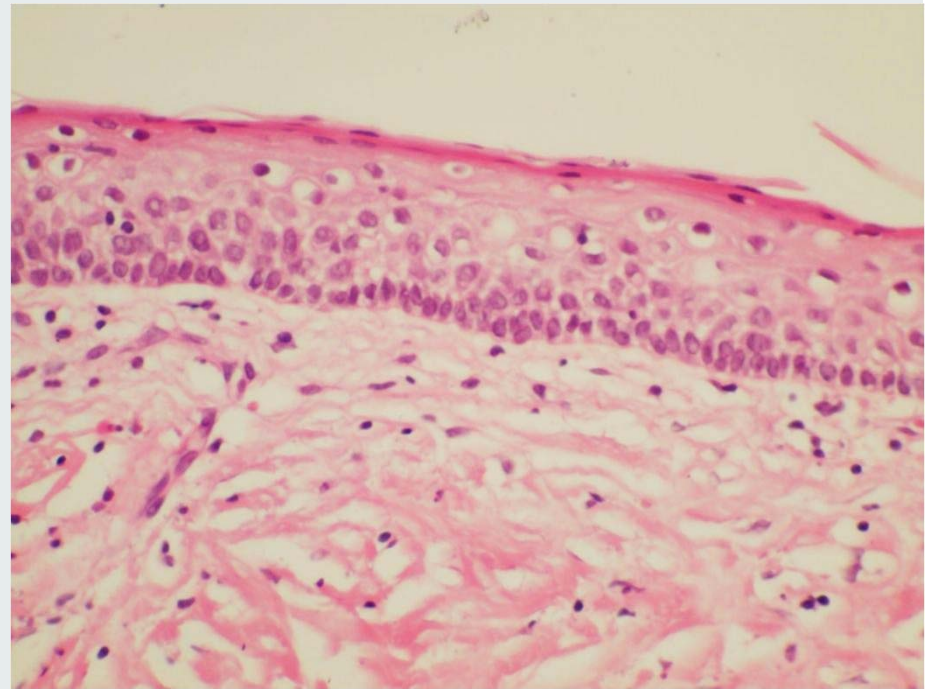


HISTOPATHOLOGIC FINDING

Left Ramus - 100X



Left Ramus - 200X



DIAGNOSIS

- **Histopathologic report**
 1. R't mandibular ramus:
keratocystic odontogenic tumor
 2. L't mandibular ramus:
keratocystic odontogenic tumor
- **Multiple keratocystic odontogenic tumor**
 - a major criteria of **Gorlin syndrome**

CASE 2

■ **Name:** 梁 0 0

■ **Age:** 25

■ **Gender:** Male

■ **Chief Complaint**

Mild swelling and
pain over lower left
3rd molar area for 1
month



PRESENT ILLNESS

- This 25 y/o male suffered from mild swelling and pain over lower left 3rd molar area for 1 month. He went to a military hospital for examination and management. The dentist found a lesion over lower left 3rd molar area and suggested him to visit a medical center for further survey and treatment.

PAST HISTORY

- **Past medical history**

Systemic disease: all denied

Hospitalization: denied

Drug allergy: denied

- **Past dental history:** general dental treatment

- **Habits:** alcohol (-), smoking (-), betel nut chewing (-)

EXTRA-ORAL EXAMINATION

- **Facial asymmetry (+)**
Swelling over lower left face
- **Lip paresthesia(-)**



INTRA-ORAL EXAMINATION

■ Swelling over left Md body and ramus

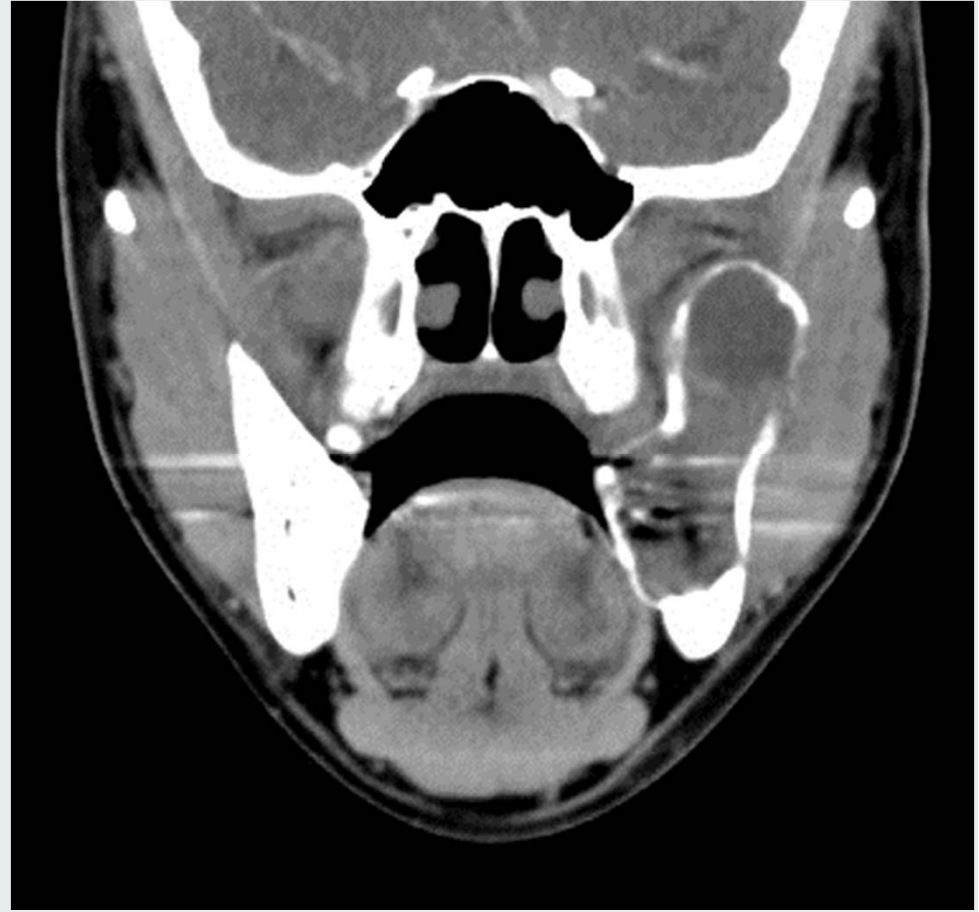
1. Size: N/A
2. Color: pink
3. Shape: dome
4. Consistency: N/A
5. Covering mucosa: smooth and intact
6. Pain(+)
7. Flunctuation: N/A
8. **Buccolingual expansion(+)**



IMAGE FINDING - PANOREX



IMAGE FINDING - CT



IMPRESSION

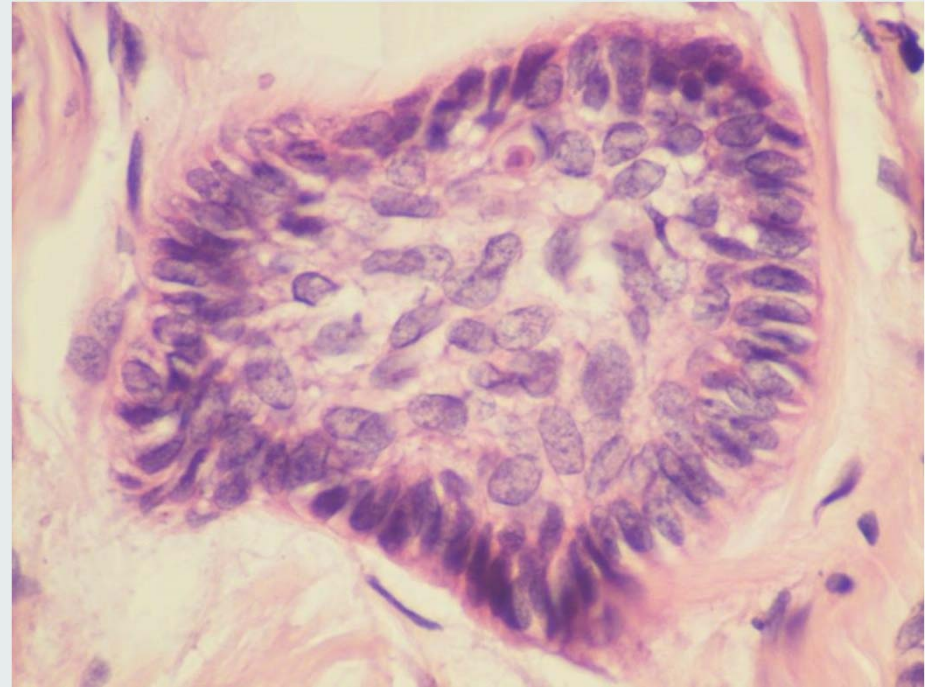
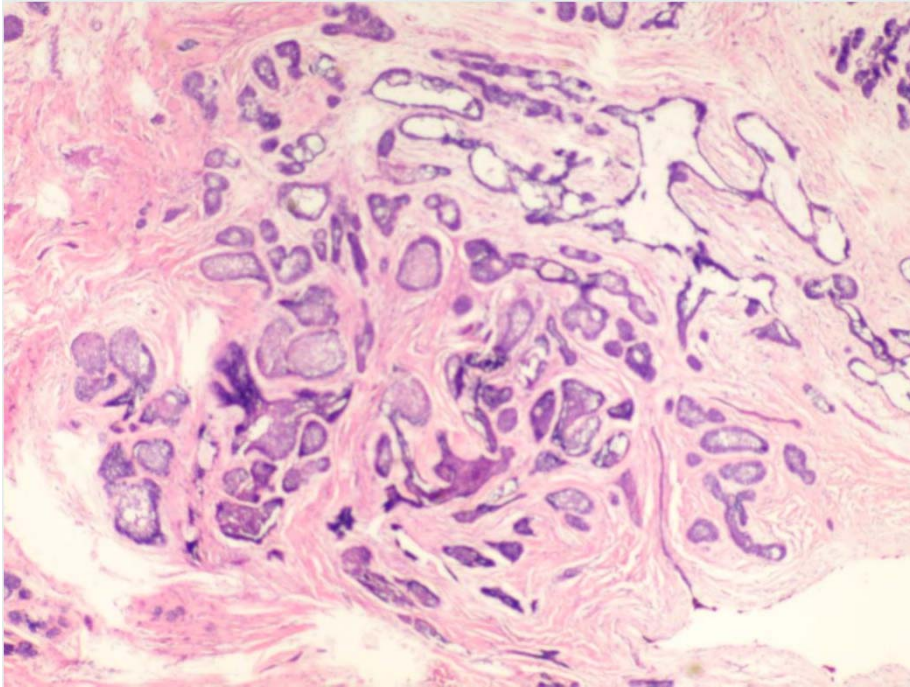
- **Clinical impression**

Dentigerous cyst over L't mandibular body and ramus

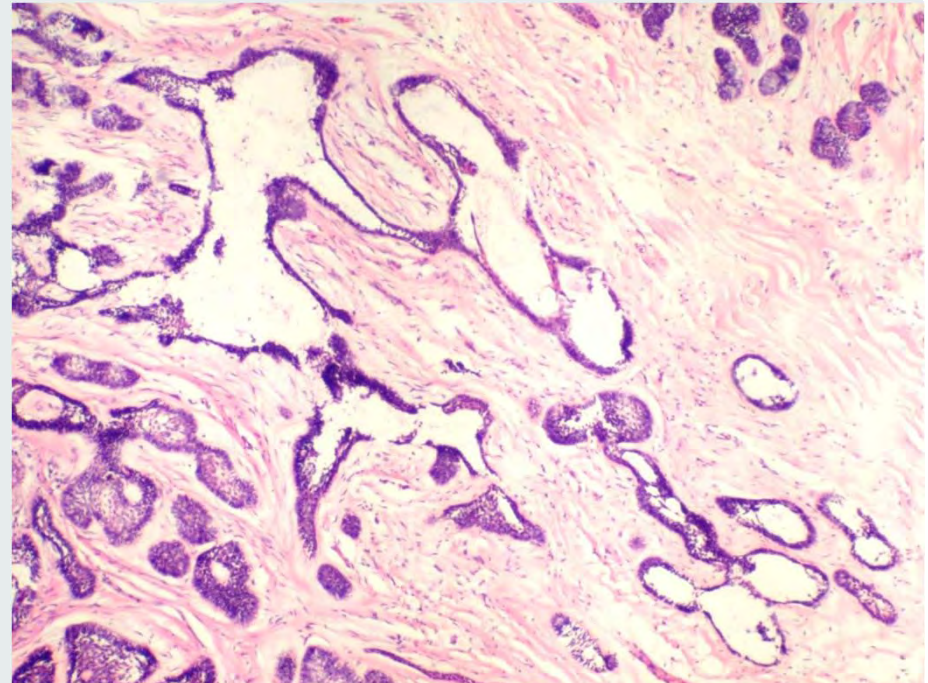
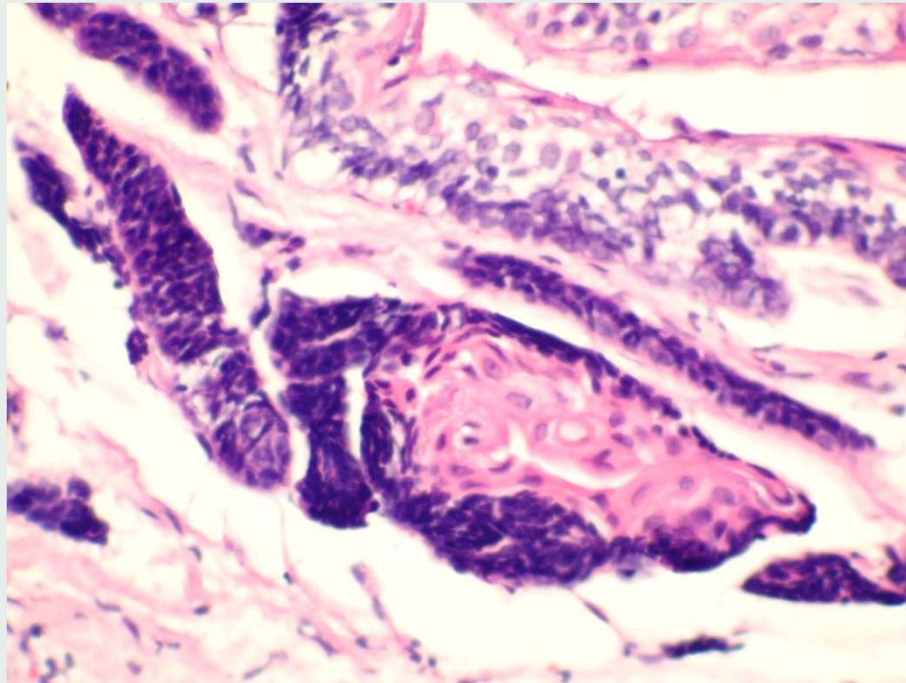
- **CT report**

Compatible with [redacted] with cortical breakthrough at L't mandibular body and ramus

HISTOPATHOLOGIC FINDING



HISTOPATHOLOGIC FINDING



DIAGNOSIS

- **Histopathologic report**

Ameloblastoma (follicular and acanthomatous type) over left mandibular body and ramus

- **Recurrence rate**

Curretage: 50~90%;

Marginal or En bloc resection: 15%
(safe margin 1.0cm)

CASE 3

■ **Name:** 邵 0 0

■ **Age:** 46

■ **Gender:** Male

■ **Chief Complaint**

Pain and soreness
over lower anterior
area for several
months



PRESENT ILLNESS

- **This 46 y/o male suffered from the above episode for several months. He visited a local dentist and apical lesion over tooth 36 was noted. He was referred to our hospital for further management.**

PAST HISTORY

- **Past medical history**

Systemic disease: Hypertension

Hospitalization: Nephrolithiasis

Drug allergy: denied

- **Past dental history:** nothing particular

- **Habits:** alcohol (-), smoking (+), betel nut chewing (-)

EXTRA-ORAL EXAMINATION

- **Facial asymmetry (+)**
Swelling over left
temporal and
zygomatic area



INTRA-ORAL CLINICAL PICTURE

■ Swelling over mandibular symphysis and left body

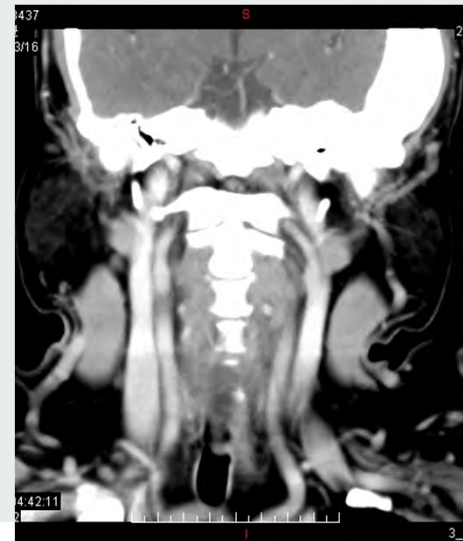
1. Dimension: 8 X 3 cm
2. Color : pink
3. Surface : smooth
4. Consistency : soft
5. Pain (-)
6. Tenderness (+)
7. Bony expansion (+)
8. Numbness (-)



IMAGE FINDING - PANOREX



IMAGE FINDING – CT



IMPRESSION

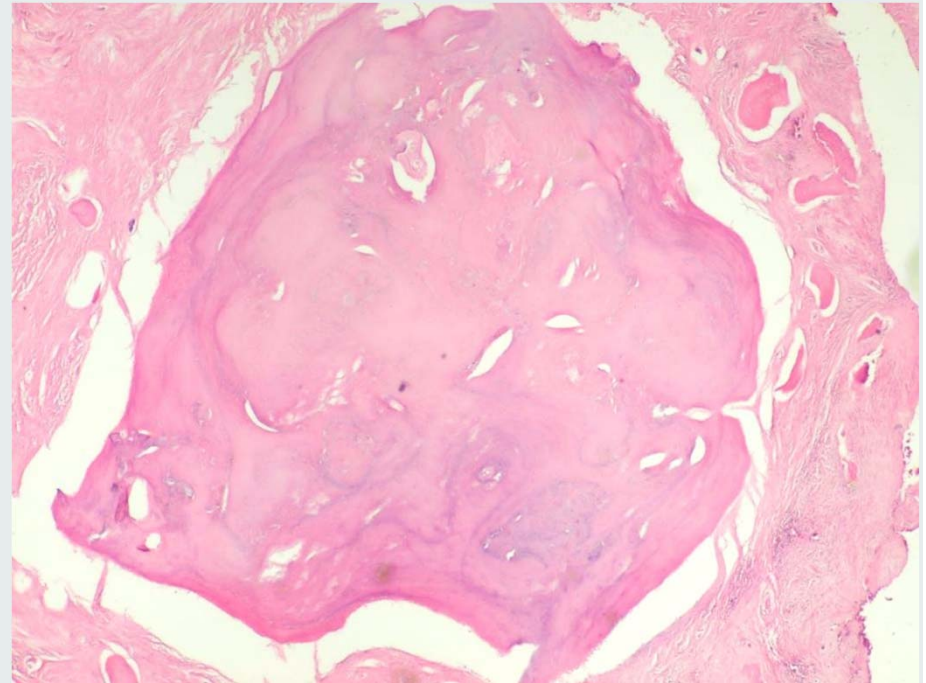
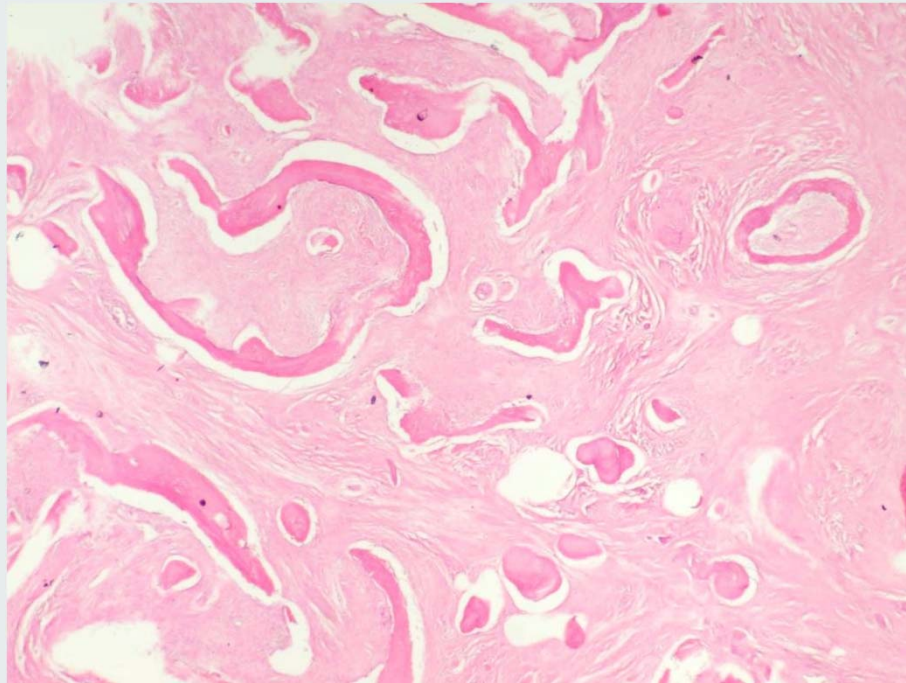
- **Clinical impression**

Ameloblastoma over mandibular symphysis and left body

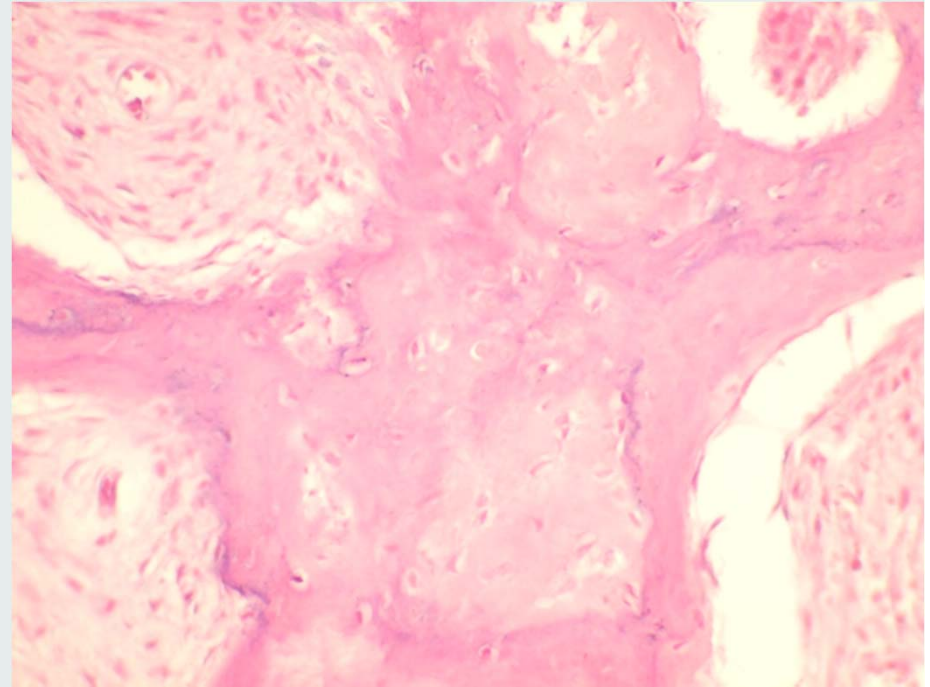
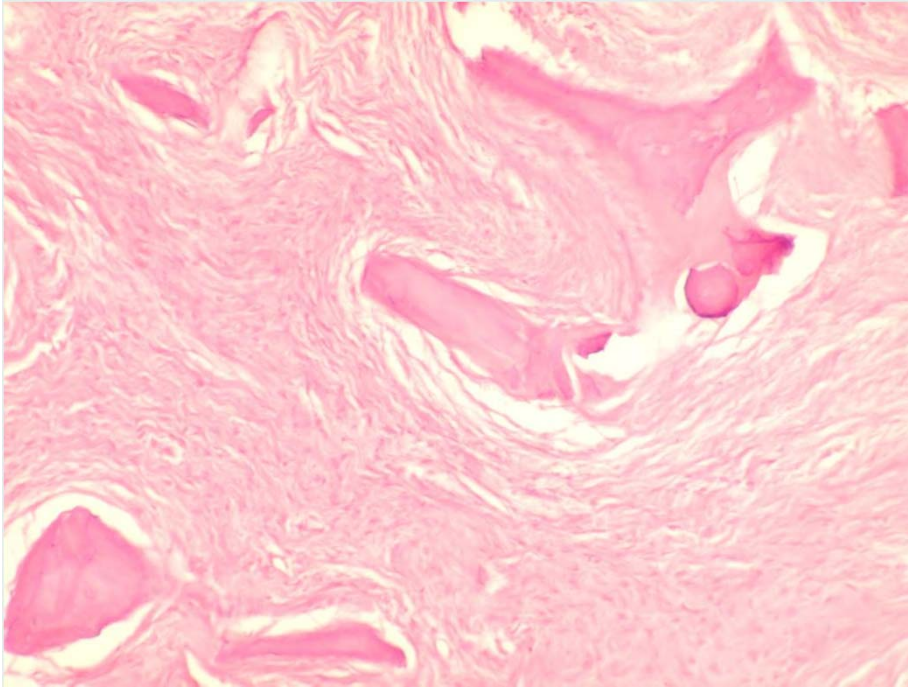
- **CT report**

Polyostotic fibrous dysplasia over left temporal bone, zygoma, maxilla, mandible and first rib.

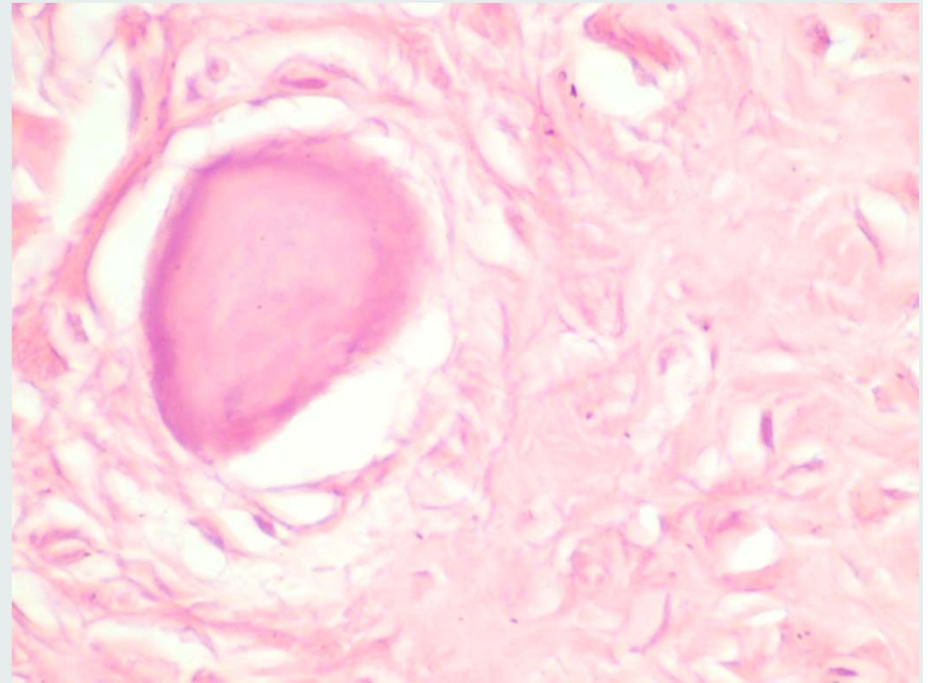
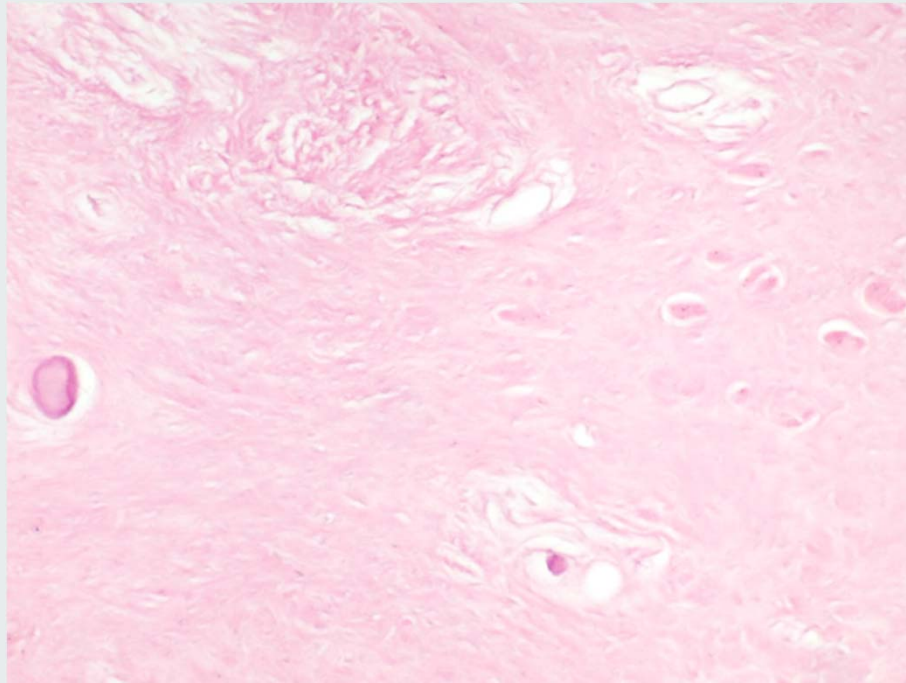
HISTOPATHOLOGIC FINDING



HISTOPATHOLOGIC FINDING



HISTOPATHOLOGIC FINDING



DIAGNOSIS

- Histopathologic report

Cemento-ossifying fibroma over mandibular symphysis and left body

- Polyostotic cemento-ossifying fibroma (psammomatoid variant)

→ rare, may be related to gene defect

CASE 4

- **Name:** 李 0 0
- **Age:** 55
- **Gender:** Female
- **Chief Complaint**

A mass over upper
posterior area for 5
years



PRESENT ILLNESS

- **This 55 y/o female patient suffered from a mass over upper right posterior area for 5 years. She felt that the mass slowly enlarged recently, so she went to a local dental clinic for help, and then was referred to our hospital for further treatment.**

PAST HISTORY

- **Past medical history**

Systemic disease: denied

Hospitalization: hysterectomy, appendectomy

Drug allergy: penicillin, tetracycline

- **Past dental history:** general dental treatment

- **Habits:** alcohol (-), smoking (-), betel nut chewing (-)

INTRA-ORAL CLINICAL PICTURE

■ 2 Masses over upper right and middle hard palate

1. Dimension:

upper right: 3x3 cm

middle: 1x1 cm

2. Color : pink

3. Shape: dome

4. Surface : smooth

5. Consistency :

bony hard

6. Base: pedunculated; sessile



7. Mobility: fixed

8. Pain (-)

9. Tenderness (-)

IMAGE FINDING - PANOREX

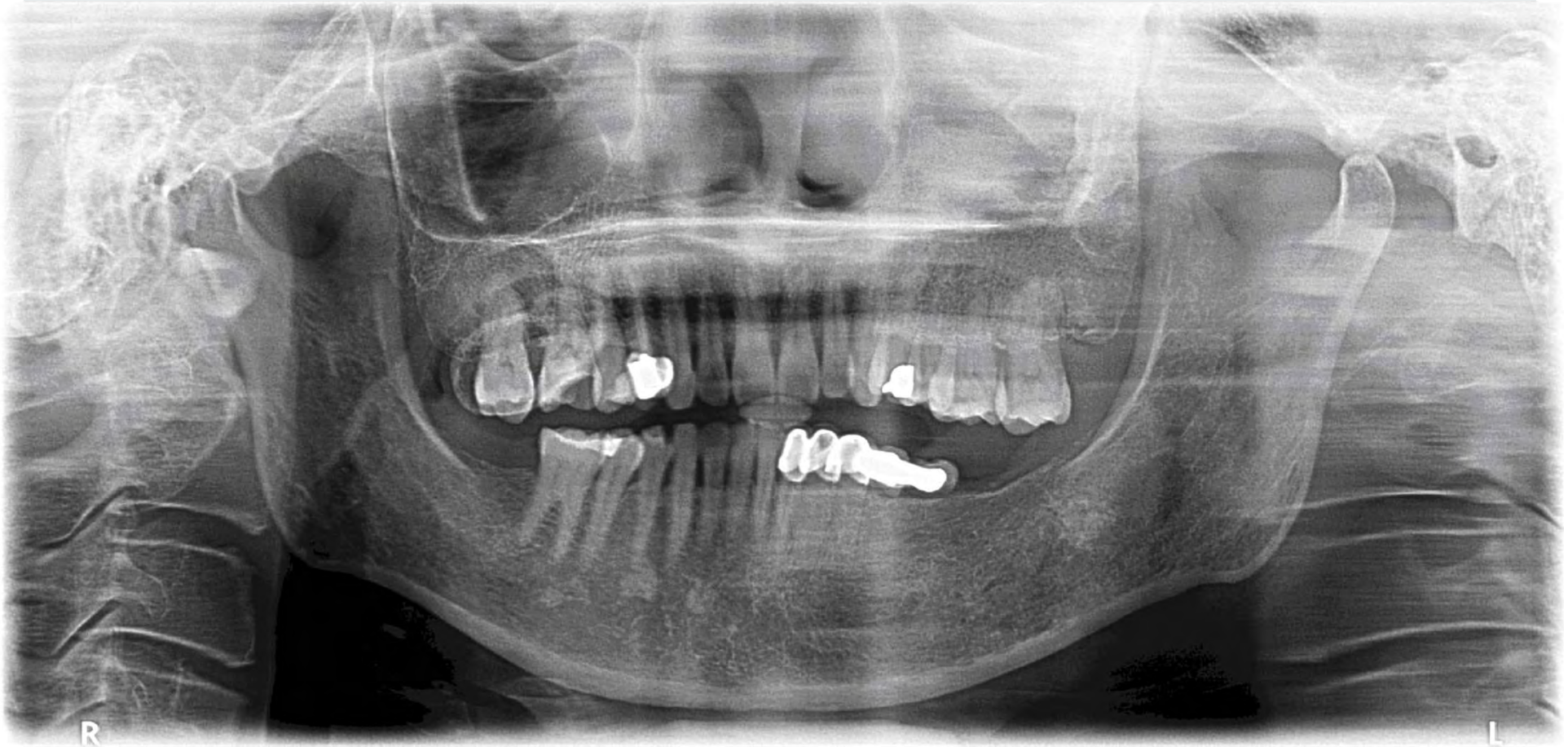
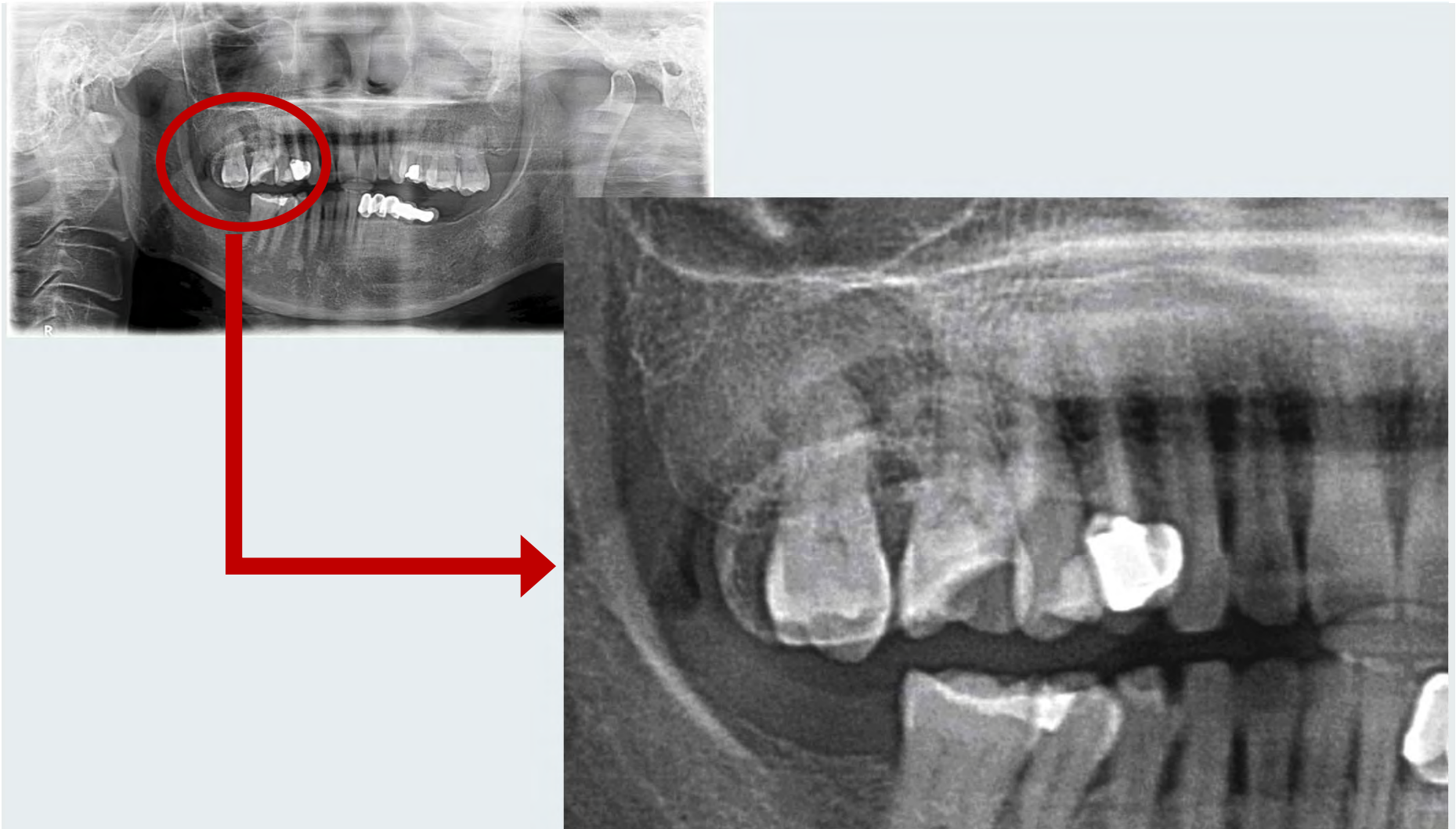


IMAGE FINDING - PANOREX

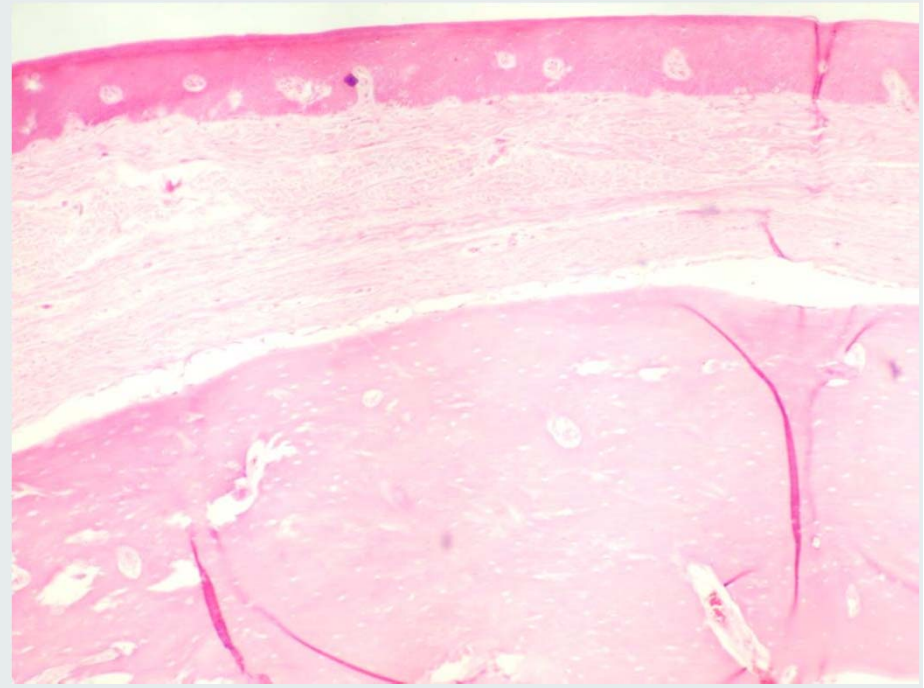
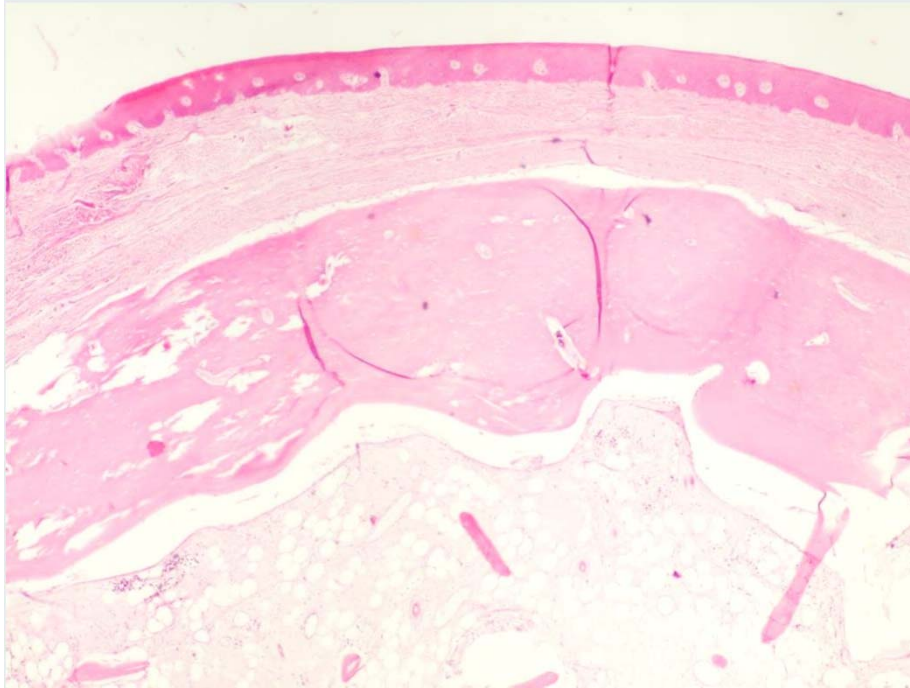


IMPRESSION

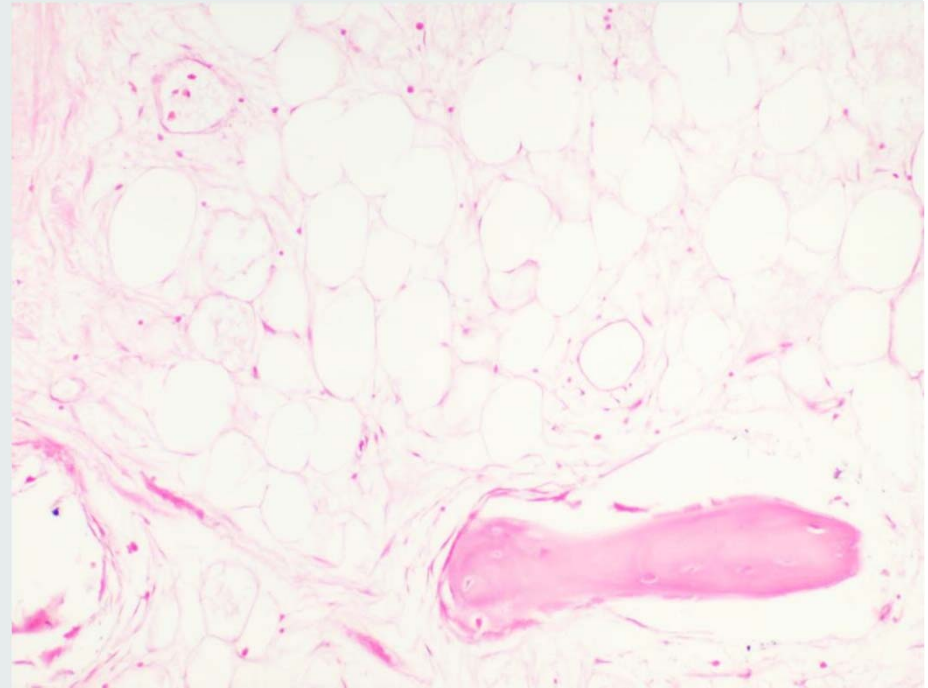
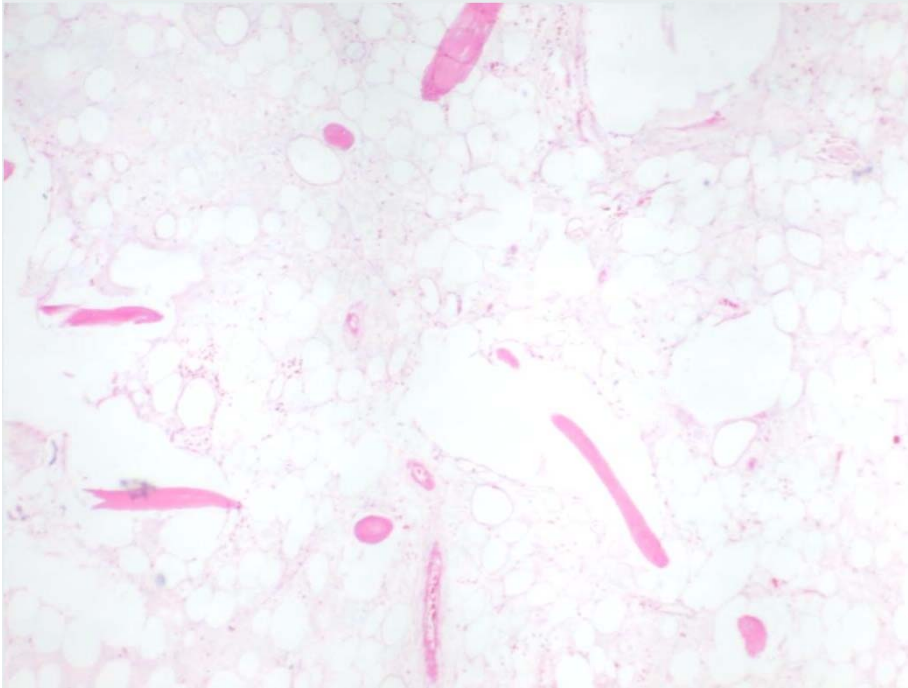
- **Clinical impression**

- 1. Ossifying fibroma over right hard palate**
- 2. Torus palatinus over middle hard palate**

HISTOPATHOLOGIC FINDING



HISTOPATHOLOGIC FINDING



DIAGNOSIS

- **Histopathologic report**
 1. **Osteolipoma** over right hard palate
 2. Torus palatinus over middle hard palate

CASE 5

- **Name:** 洪 0 0
- **Age:** 63
- **Gender:** Male
- **Chief Complaint**
Swelling mass over
right neck for 1 year



PRESENT ILLNESS

- This 63 y/o male suffered from the above episode for 1 year. He visited a local dentist for treatment and after examination, he was referred to our hospital for further management.

PAST HISTORY

- **Past medical history**

Systemic disease: hepatitis B

Hospitalization: denied

Drug allergy: denied

- **Past dental history:** general dental treatment

- **Habits:** alcohol (-), smoking (+), betel nut chewing (-)

EXTRA-ORAL EXAMINATION

■ A mass over right submandibular area

1. Dimension: 3.5 X 3 cm
2. Color : skin color
3. Surface : smooth
4. Consistency : rubbery
6. mobility: movable
5. Pain (-)
6. Tenderness (-)



7. Flunctuation(-)
8. Induration(-)

IMAGE FINDING - PANOREX



IMAGE FINDING - PANOREX

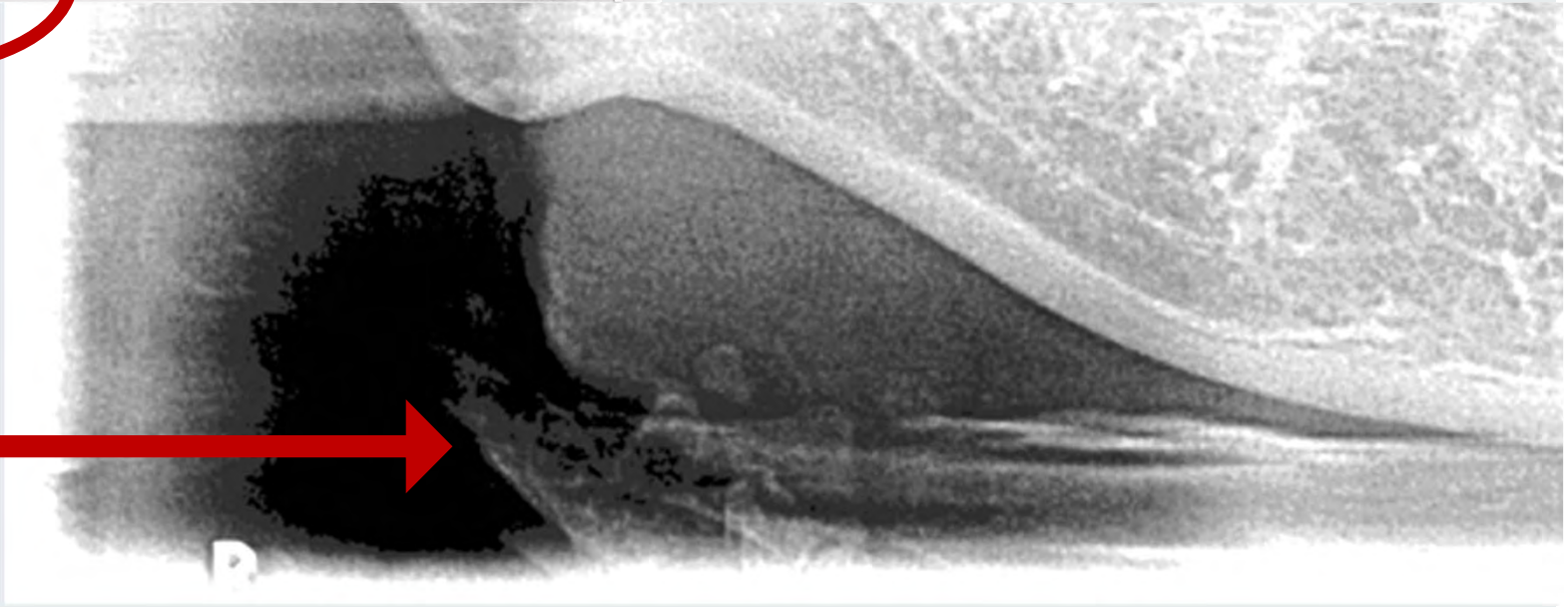
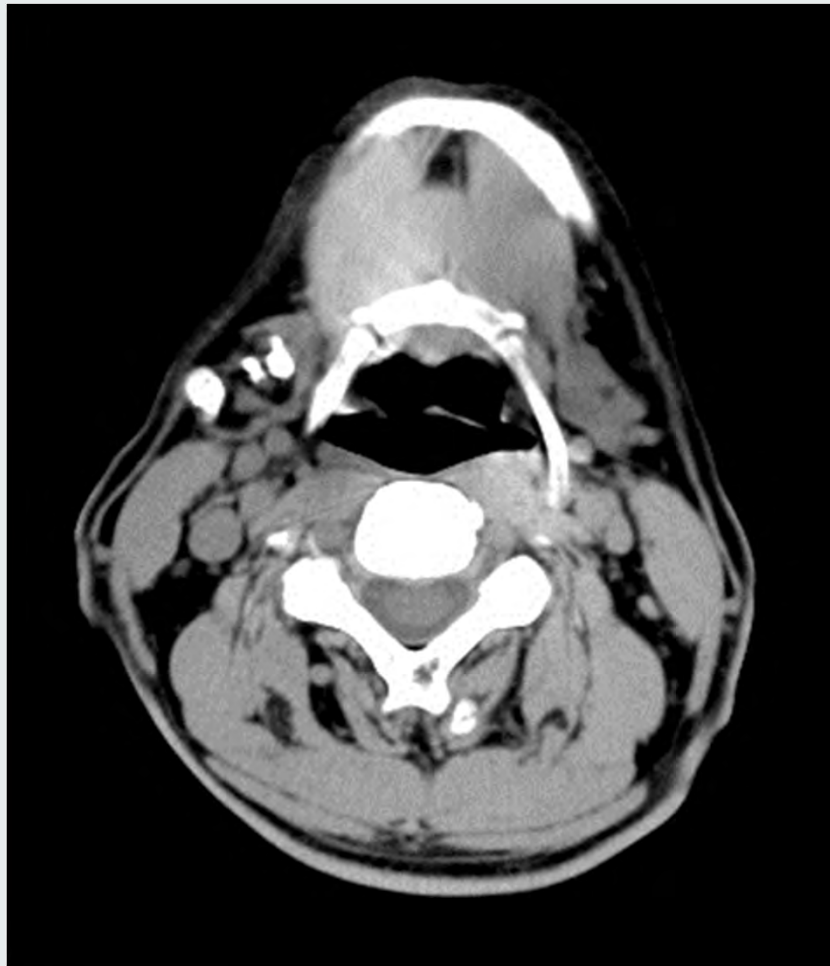


IMAGE FINDING – CT



IMPRESSION

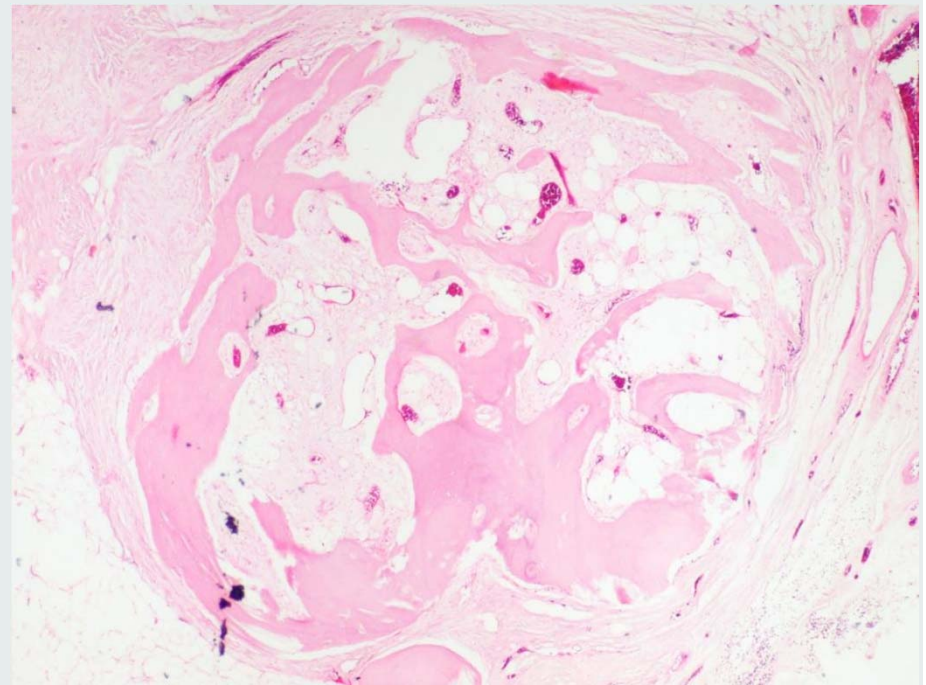
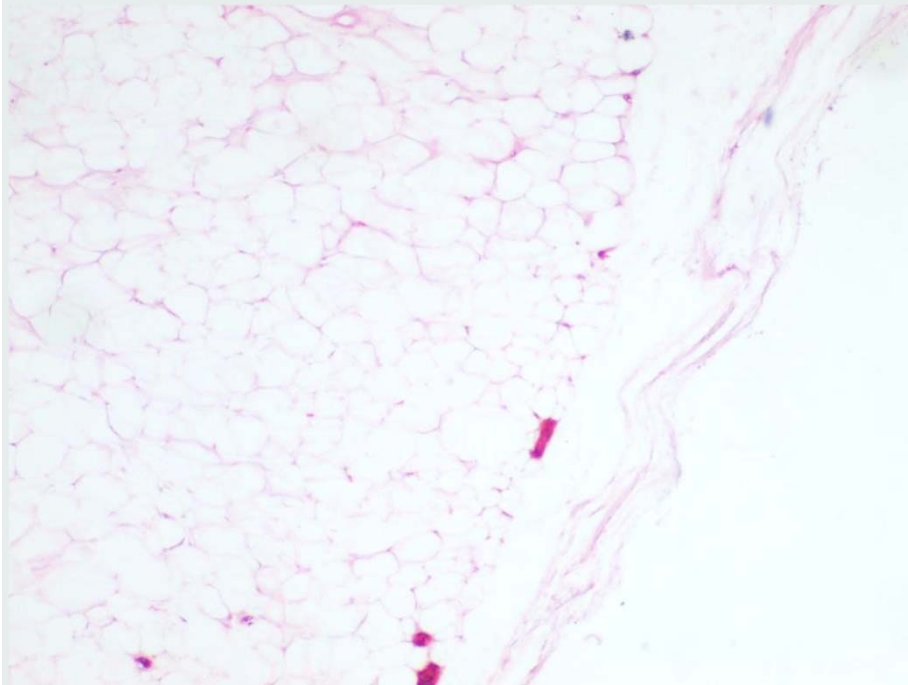
- **Clinical impression**

**Lymphadenopathy, R/O salivary gland tumor
over right submandibular area**

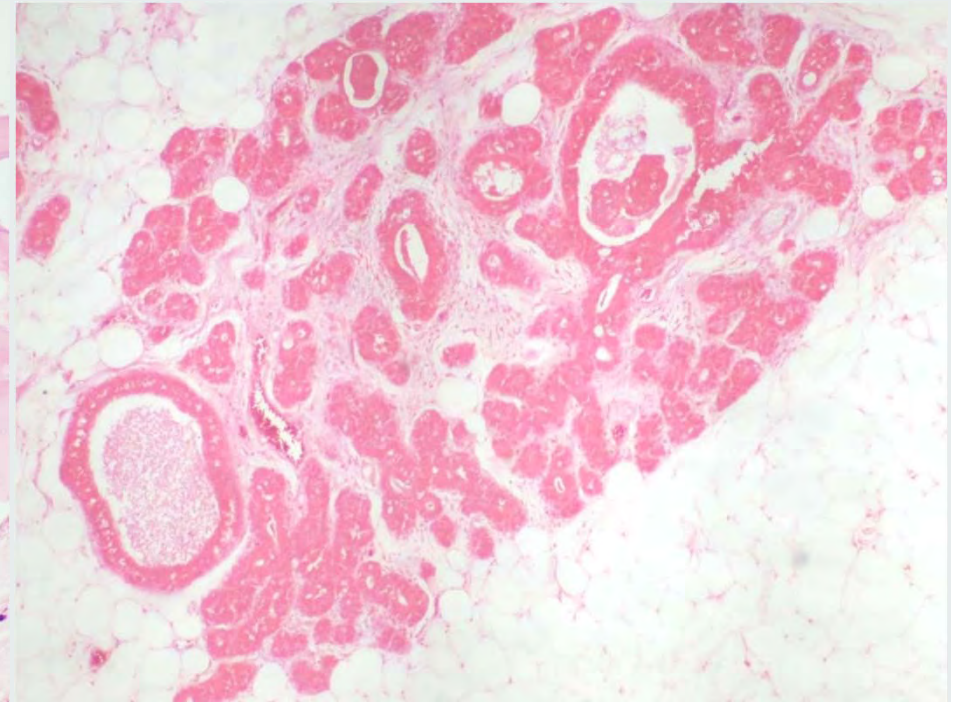
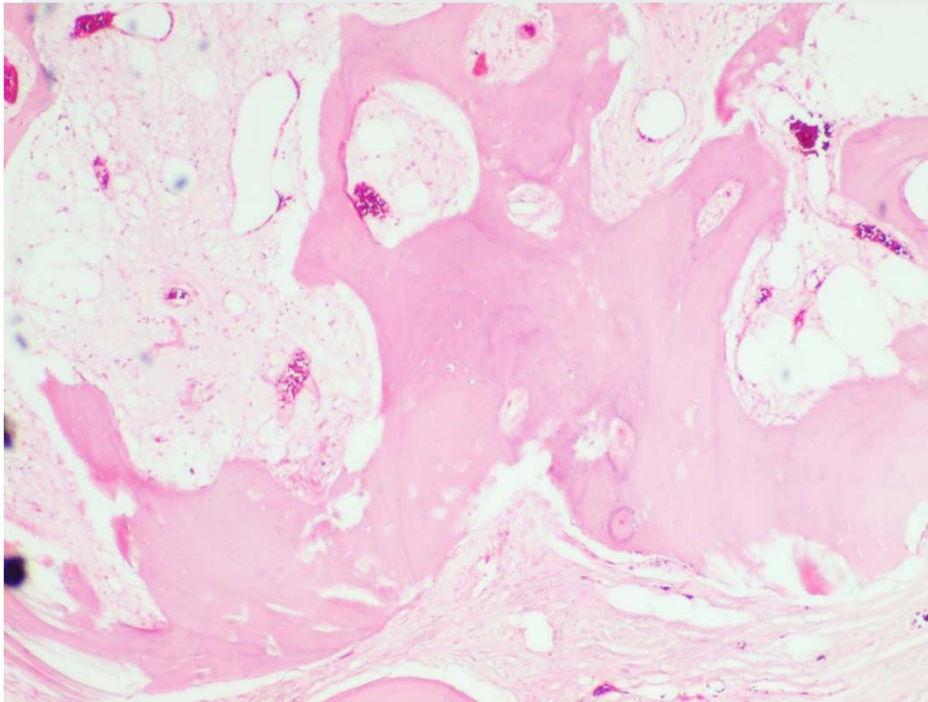
- **CT report**

 **over right submandibular area**

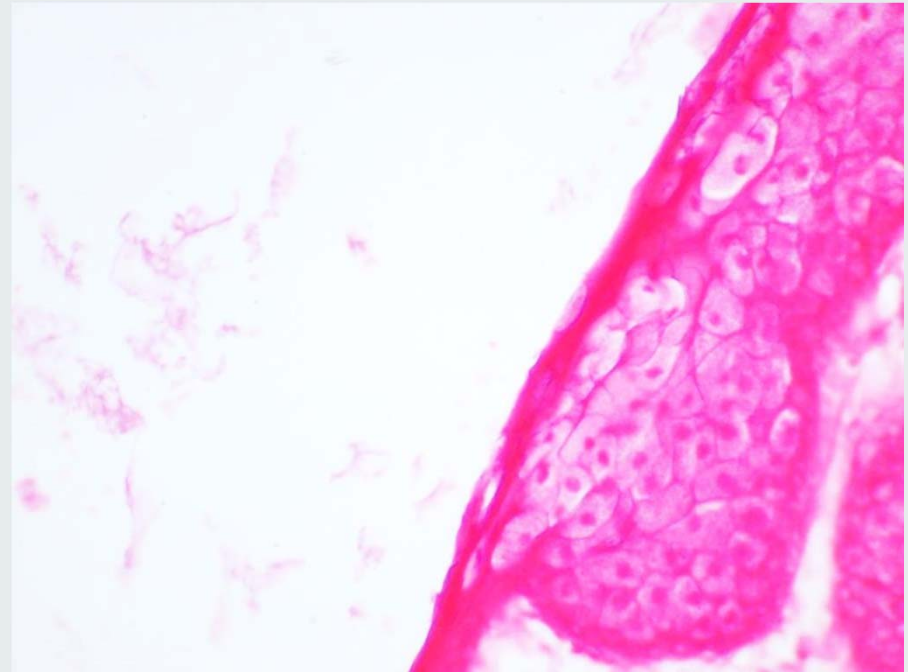
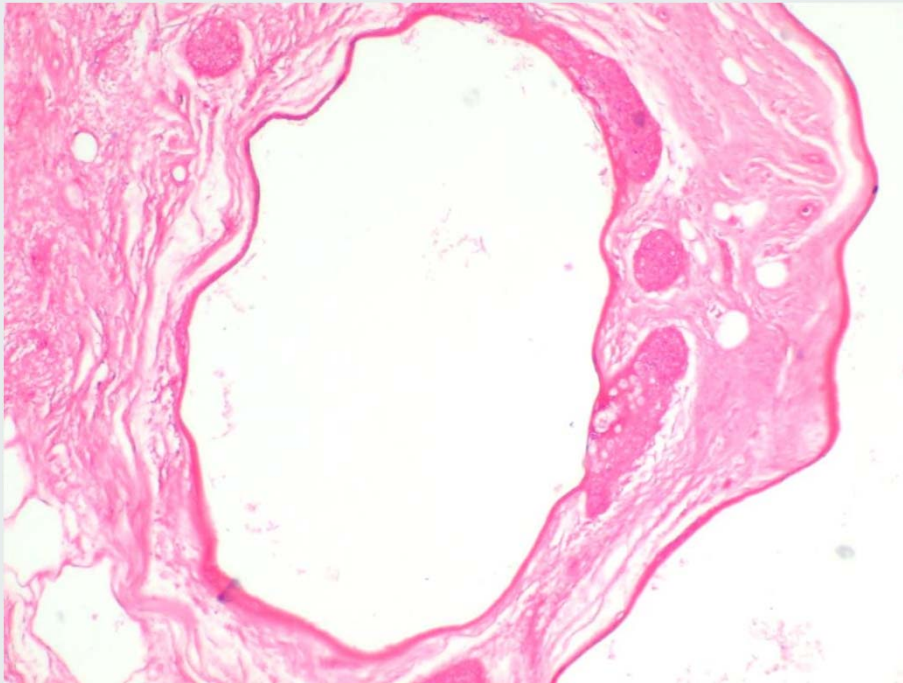
HISTOPATHOLOGIC FINDING



HISTOPATHOLOGIC FINDING



HISTOPATHOLOGIC FINDING



DIAGNOSIS

- Histopathologic report

Teratoma over right submandibular area

- Dermoid cyst

→ a cystic form of teratoma

CASE 6

■ **Name:** 黃 0 0

■ **Age:** 57

■ **Gender:** Male

■ **Chief Complaint**

Pain over left tongue
for 2 weeks



PRESENT ILLNESS

- This 57 y/o male was a case of SCC over right buccal mucosa s/p surgery 4 years ago and kept F/U in our hospital. He complained about pain over his left tongue for 2 weeks and an ulcerated mass was found.

PAST HISTORY

- **Past medical history**

Systemic disease: DM, HCV, CKD, GERD

Hospitalization: surgery for SCC over R't BM

Drug allergy: denied

- **Past dental history:** general dental treatment

- **Habits:** alcohol (+), smoking (+), betel nut chewing (-)

INTRA-ORAL EXAMINATION

- A mass over left dorsum of tongue

1. Dimension: 4.5 X 2 cm
2. Color : red
3. Surface : ulcerated
4. Consistency : firm
6. mobility: fixed
5. Pain (+)
6. Tenderness (+)



7. Flunctuation(-)
8. Induration(+)

IMAGE FINDING - PANOREX

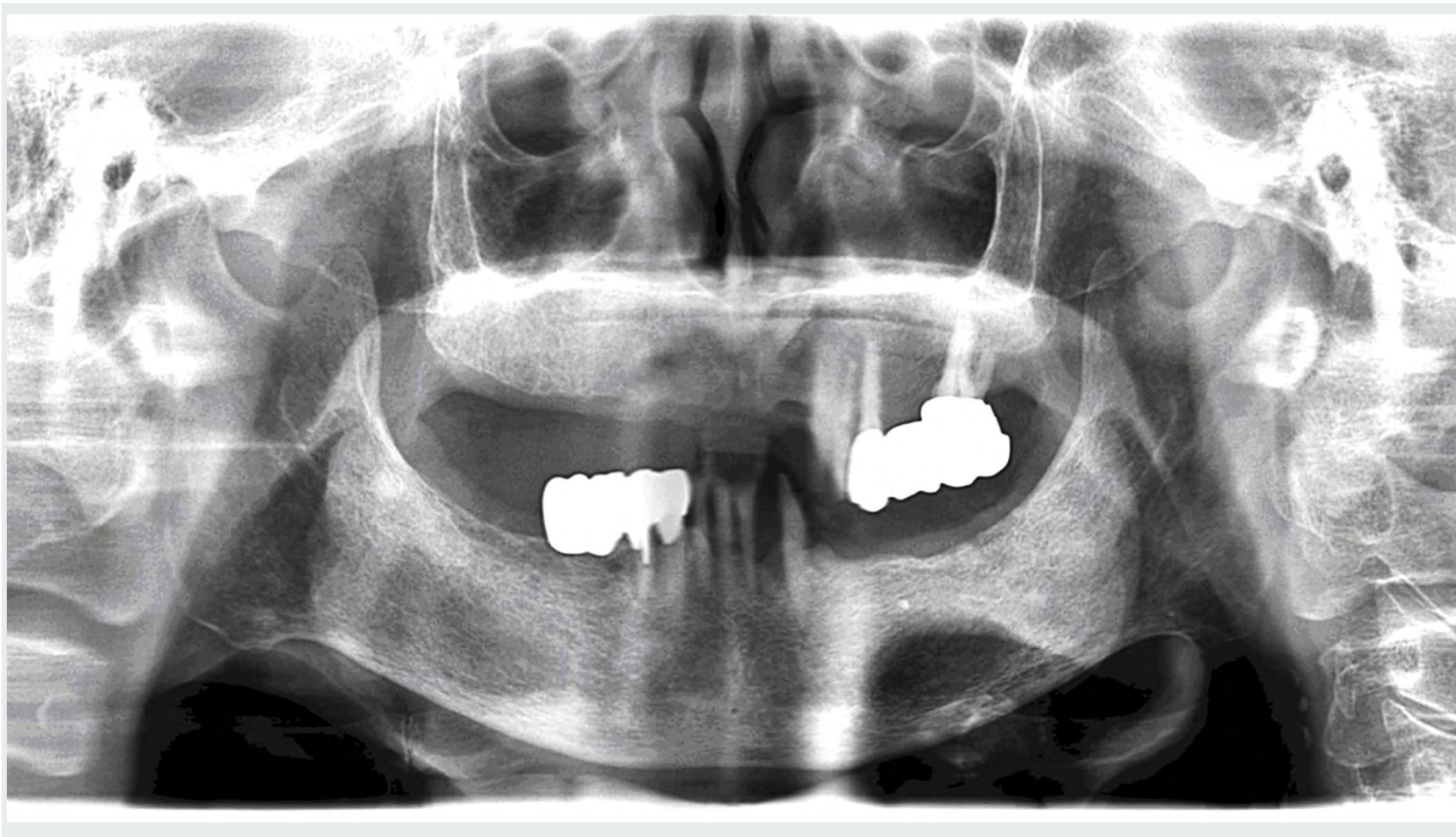


IMAGE FINDING – CT (THIS TIME)

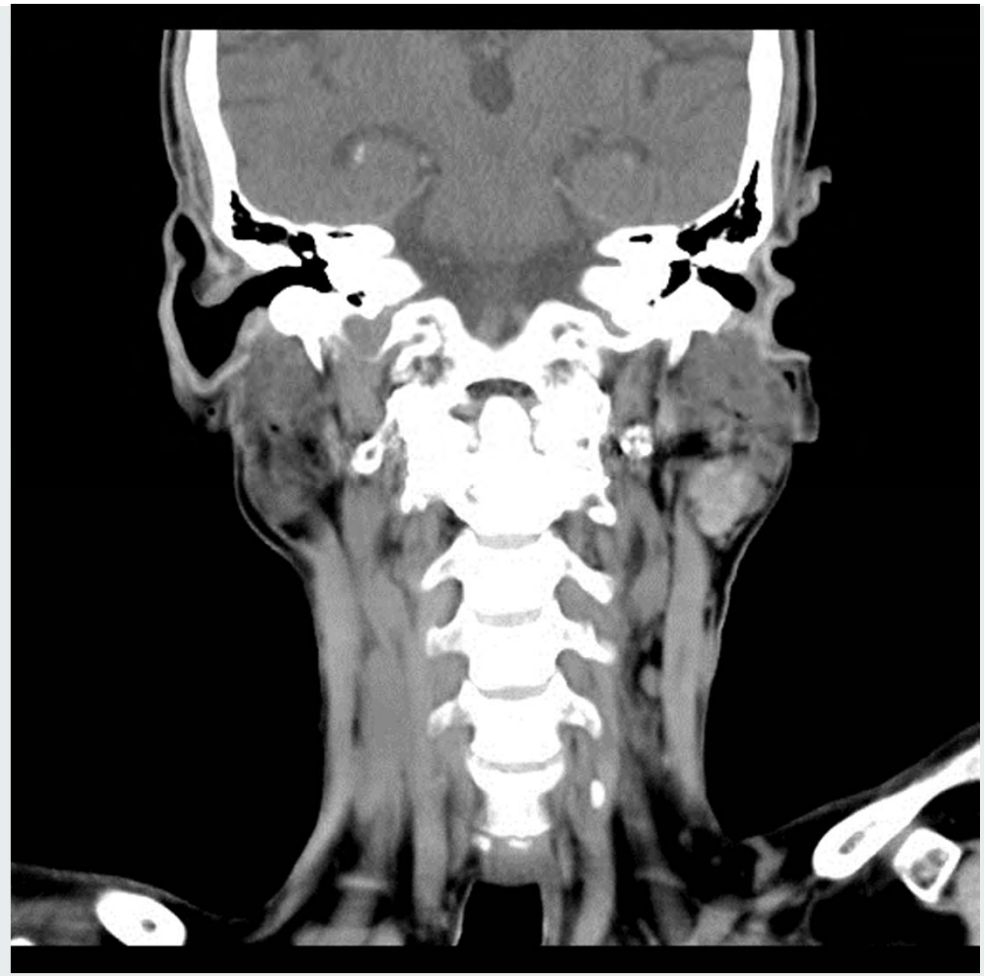
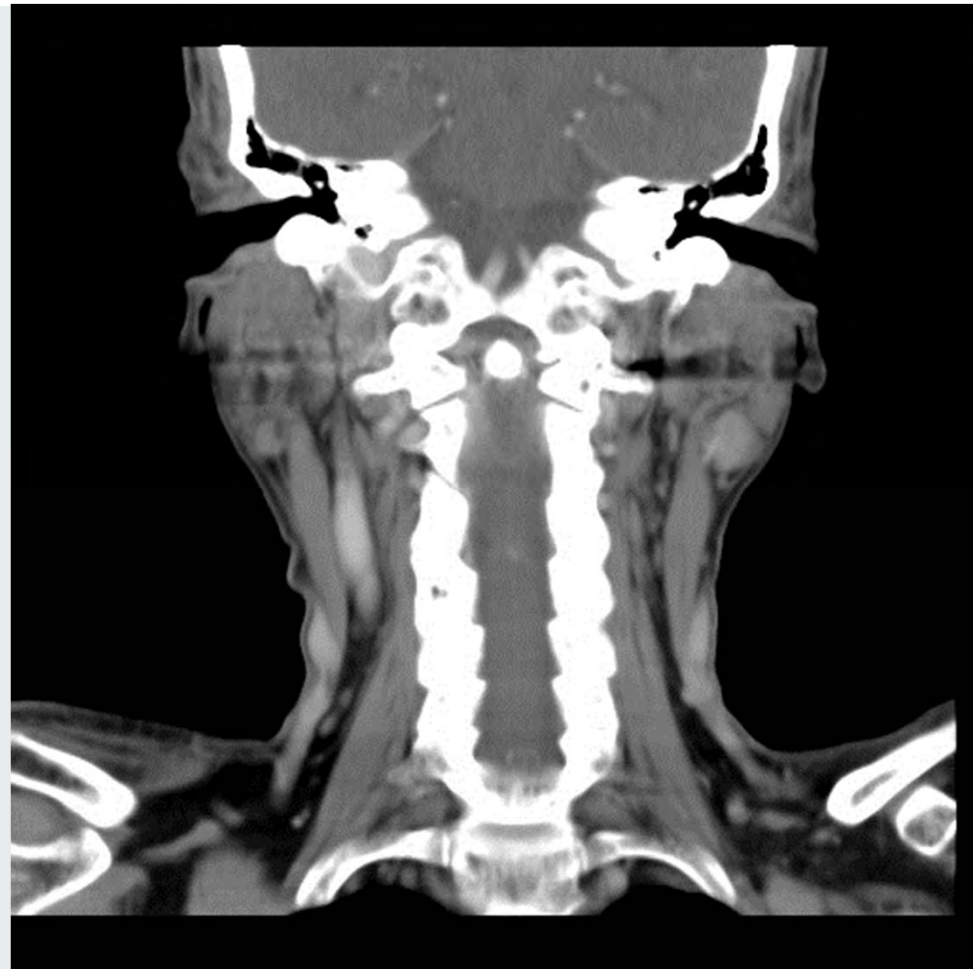


IMAGE FINDING – CT (4 YEARS AGO)



IMPRESSION

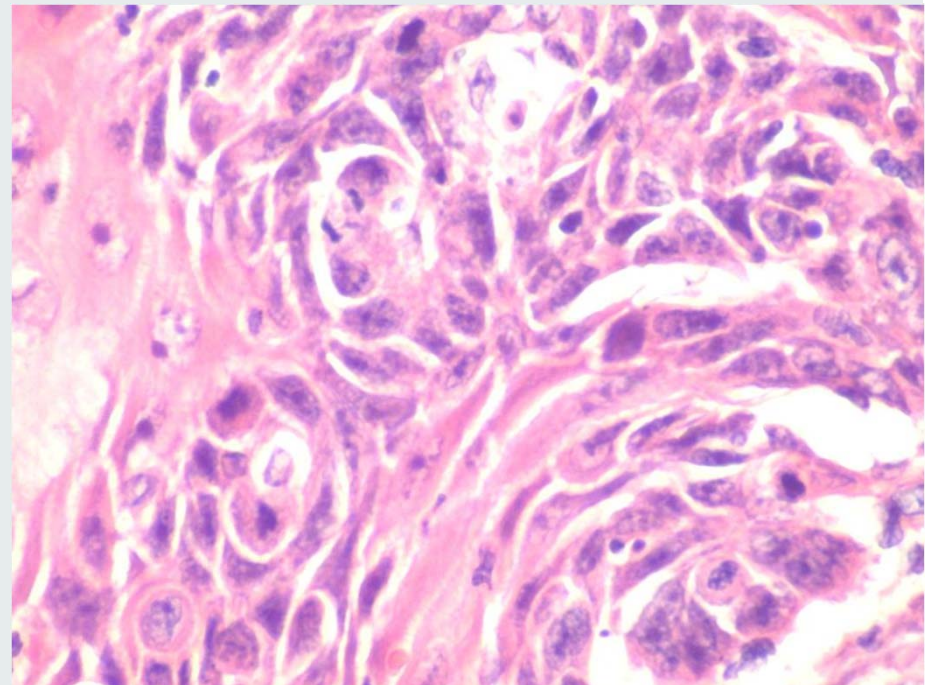
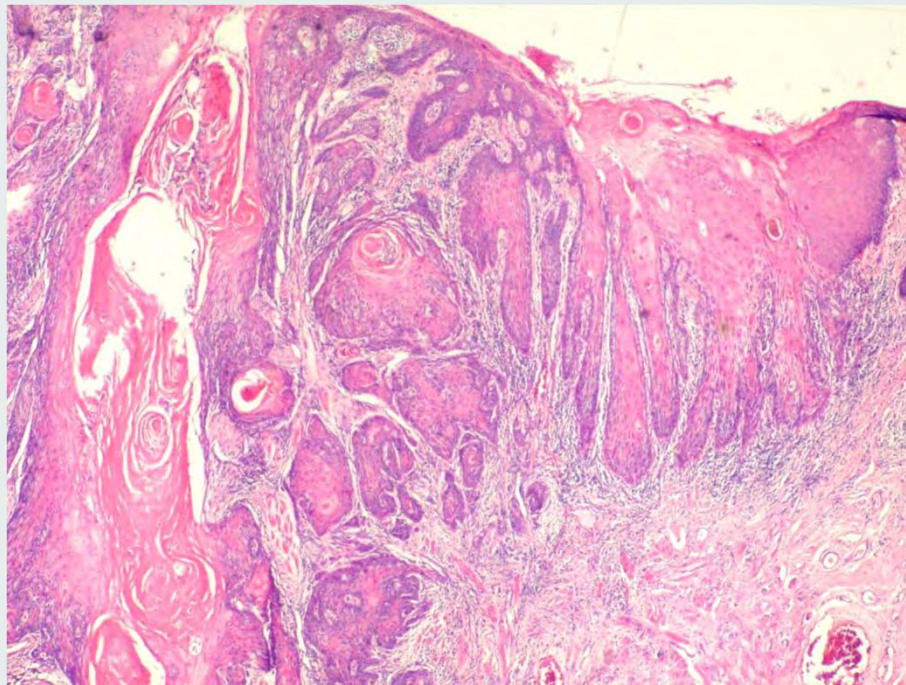
■ Clinical impression

1. SCC over left tongue, cT3N2M0, stage IVA
2. SCC over right BM, pT1N0M0, stage I s/p wide excision and SOND

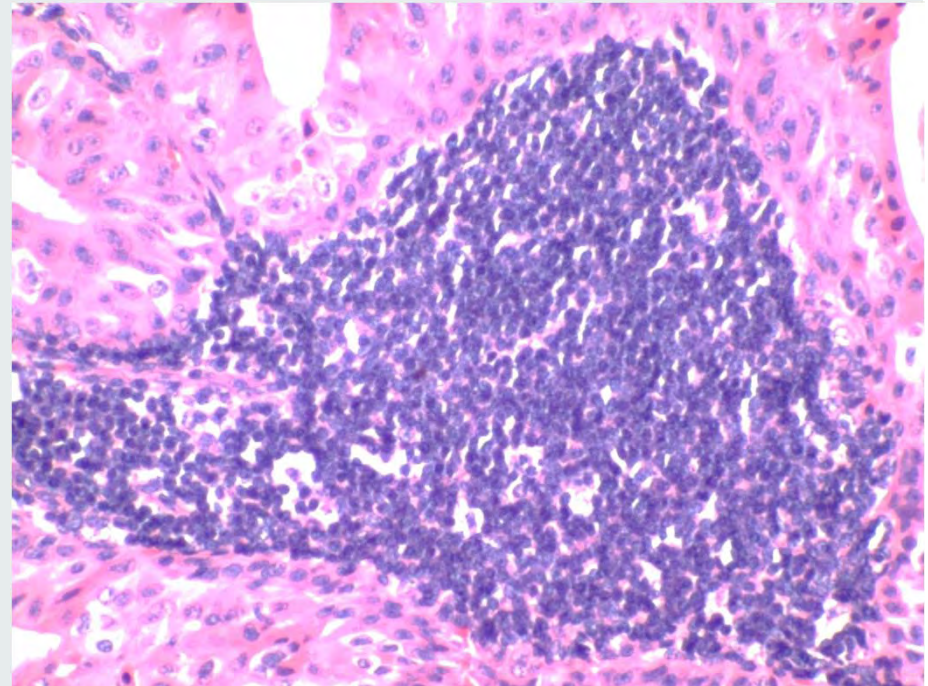
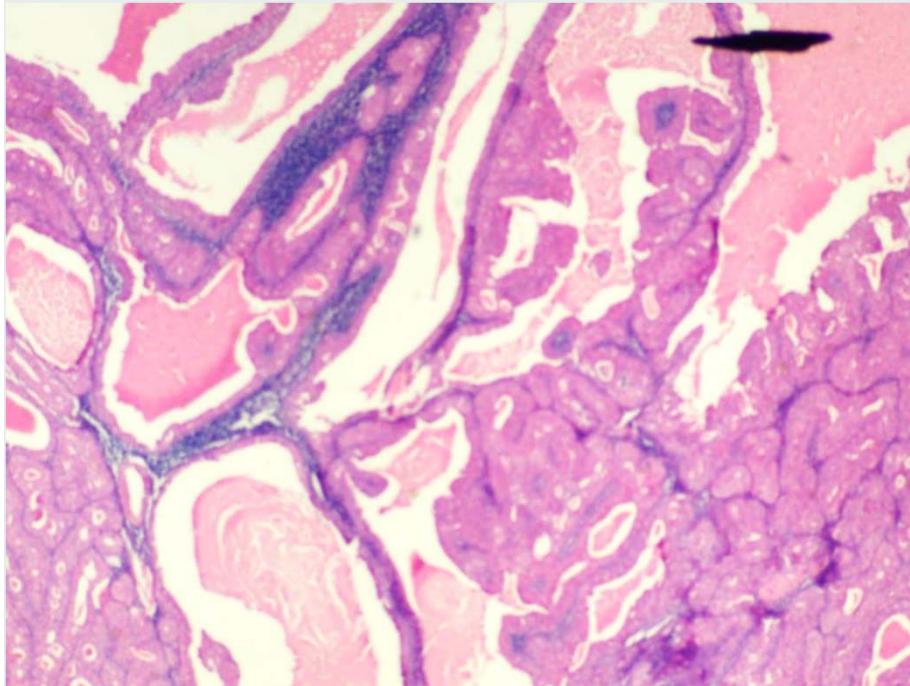
■ CT report

1. Left tongue cancer T1N2bMB, stage IVA
2. Left parotid tumor, nature to be determined

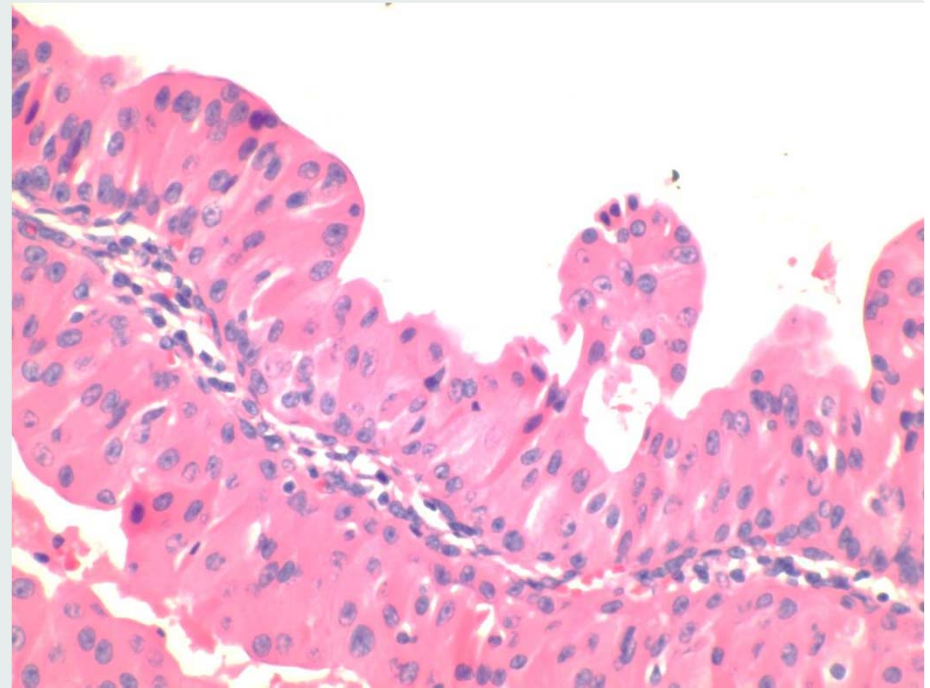
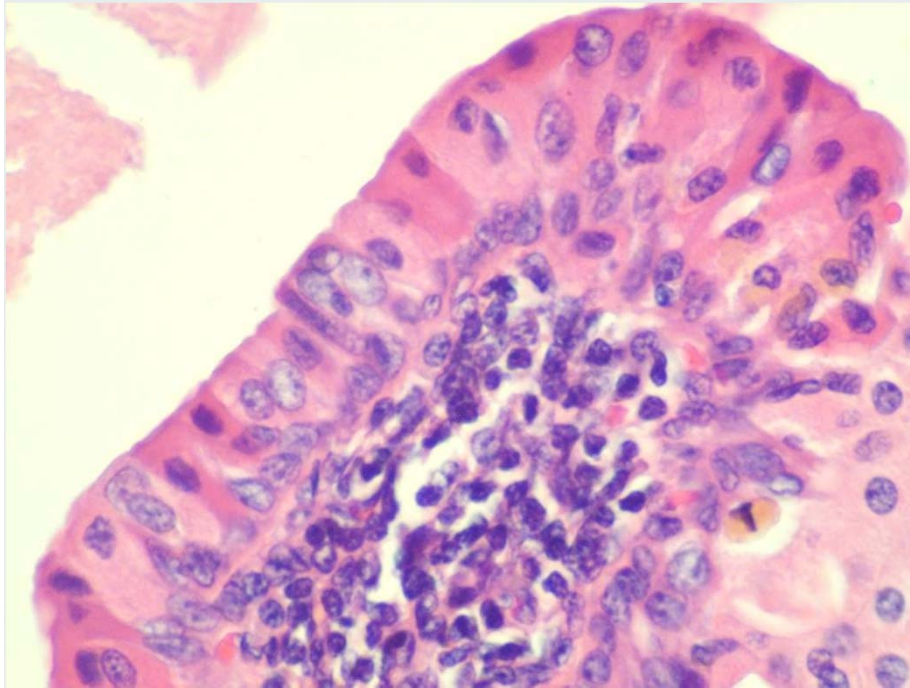
HISTOPATHOLOGIC FINDING – LEFT TONGUE



HISTOPATHOLOGIC FINDING – LEFT PAROTID TUMOE



HISTOPATHOLOGIC FINDING – LEFT PAROTID TUMOR



DIAGNOSIS

- **Histopathologic report**
 1. **SCC** over left tongue dorsum
 2. **Papillary cystadenoma lymphomatosum**
(Warthin's tumor) over left parotid gland
- **Field cancerization**
- **Secondary primary tumor** → **10-35%**
- **Risk factor** for Warthin's tumor → **Smoking**

CASE 7

- **Name:** 潘 0 0 0
- **Age:** 56
- **Gender:** Female
- **Chief Complaint**
A swelling mass
over left palate for
3 years



PRESENT ILLNESS

- **This 56 y/o female suffered from a swelling mass over left palate for 3 years. She noticed that the mass gradually enlarged recent 1 year. She visited a regional hospital and then was referred to our hospital for further examination and management.**

PAST HISTORY

- **Past medical history**

Systemic disease: HCV, breast cancer

Hospitalization: surgery for breast cancer,
hysterectomy

Drug allergy: denied

- **Past dental history:** general dental treatment

- **Habits:** alcohol (+), smoking (-), betel nut
chewing (+)

INTRA-ORAL EXAMINATION

■ A mass over left hard palate

1. Dimension: 3 X 2 cm
2. Color : pink with bluish
3. Surface : smooth
4. Shape: dome
5. Consistency : firm
6. base: sessile
7. Pain (-)
8. Tenderness (-)



9. Fluctuation(-)
10. Induration(-)

IMAGE FINDING - PANOREX



IMAGE FINDING – WATER'S VIEW



IMPRESSION

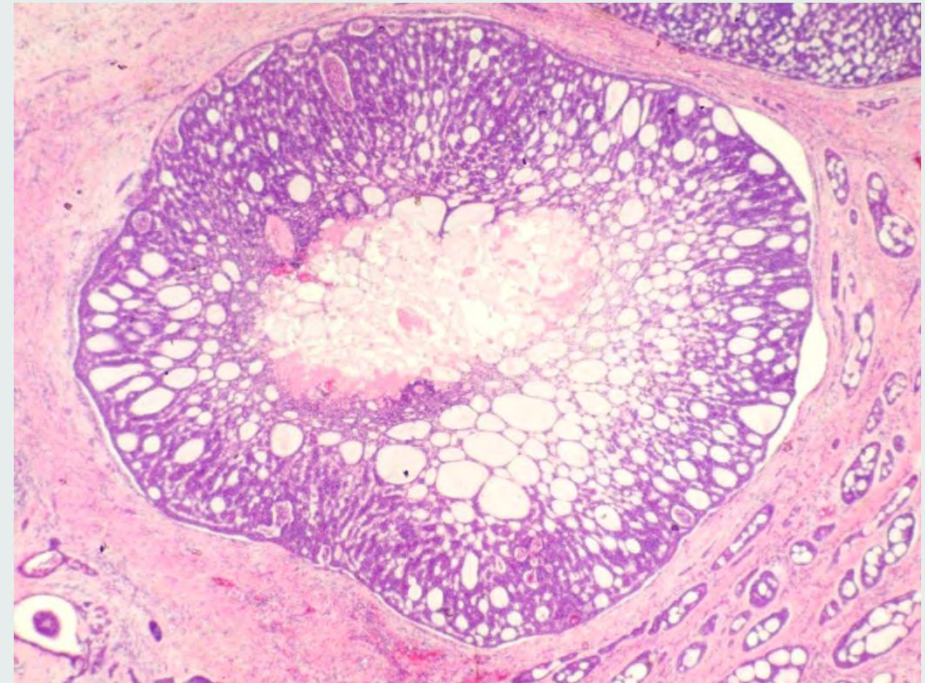
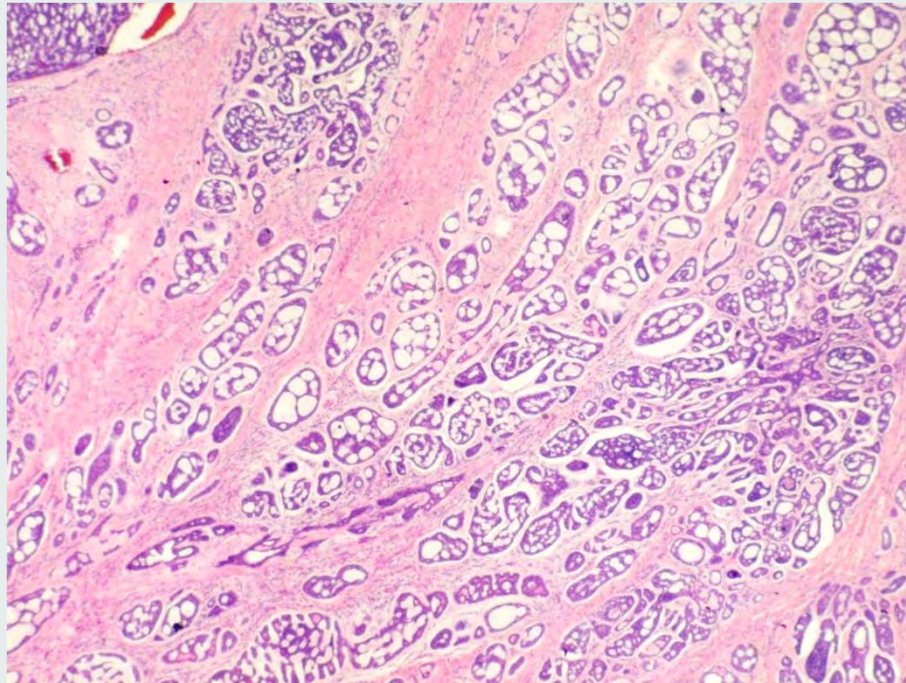
- **Clinical impression**

Minor salivary gland tumor over left hard palate

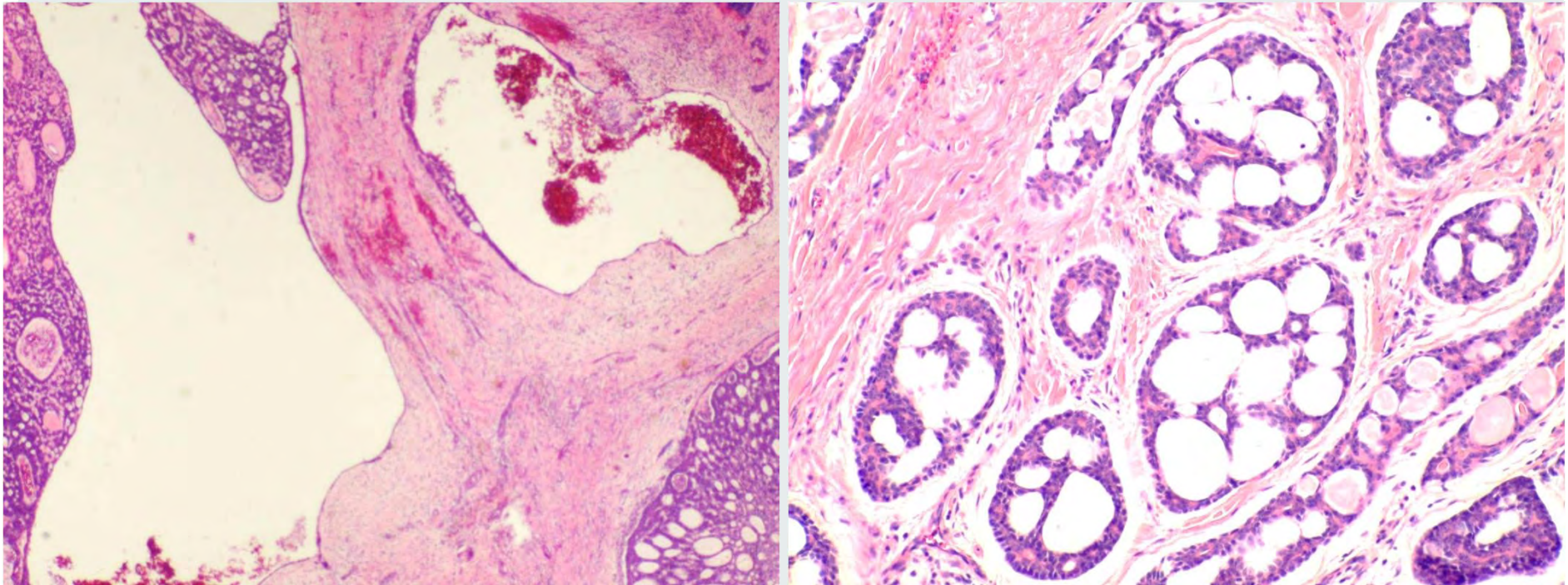
- **Water's View report**

Orbit and sinus bone structure: intact
Bilateral sinus slightly cloudy

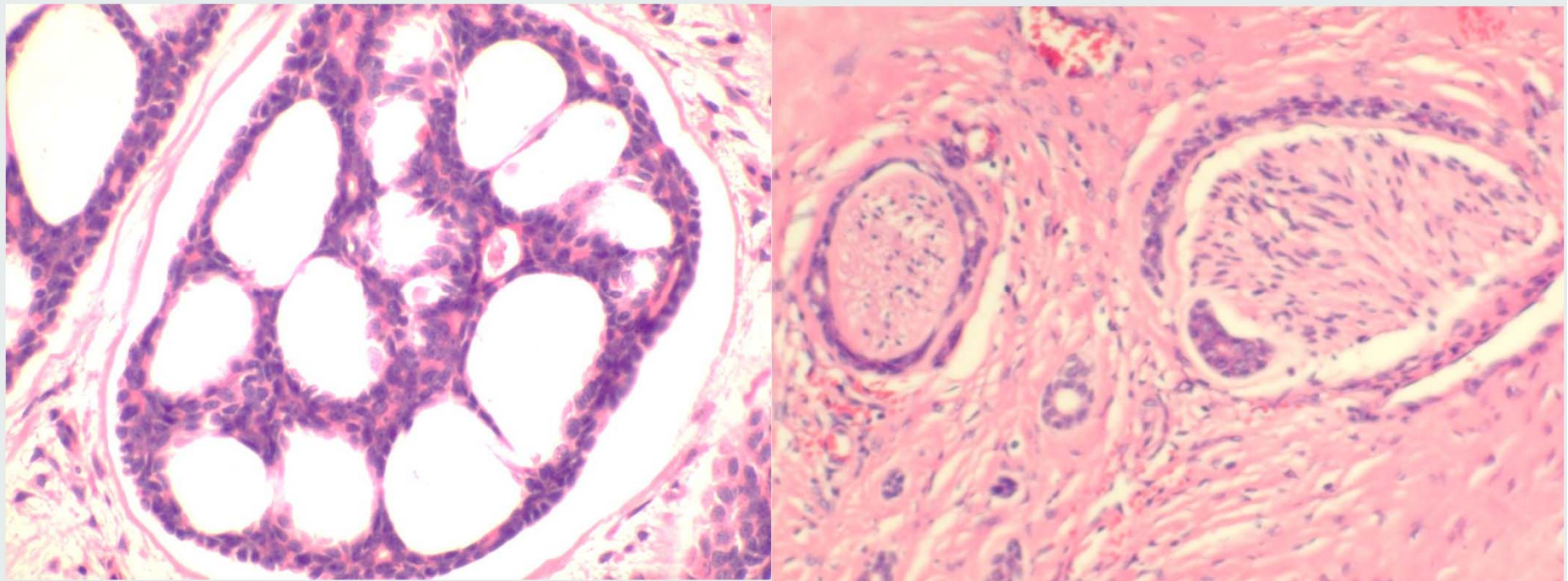
HISTOPATHOLOGIC FINDING



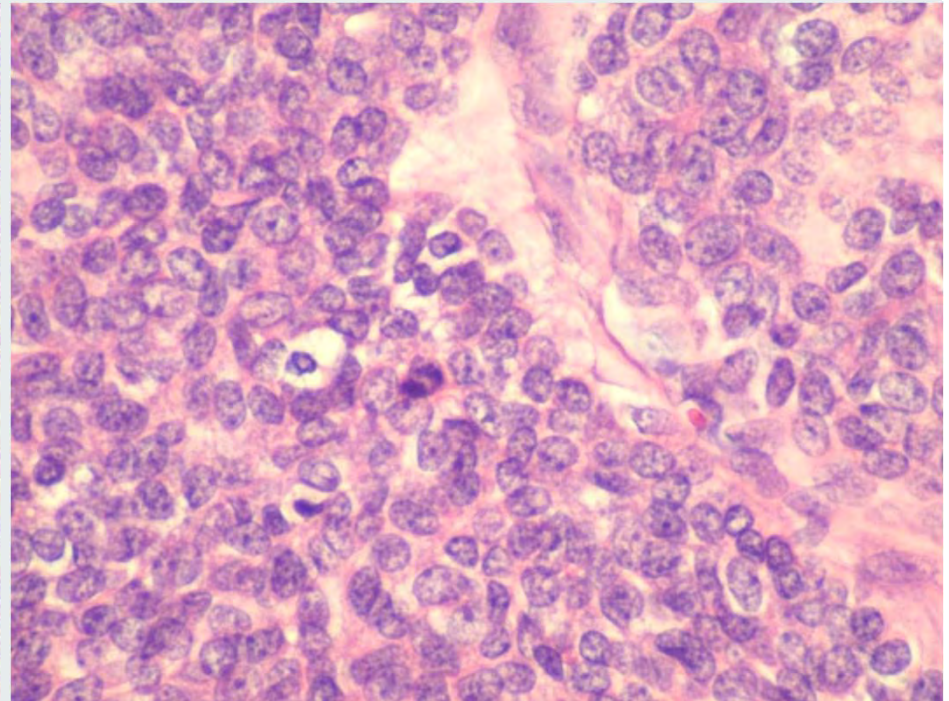
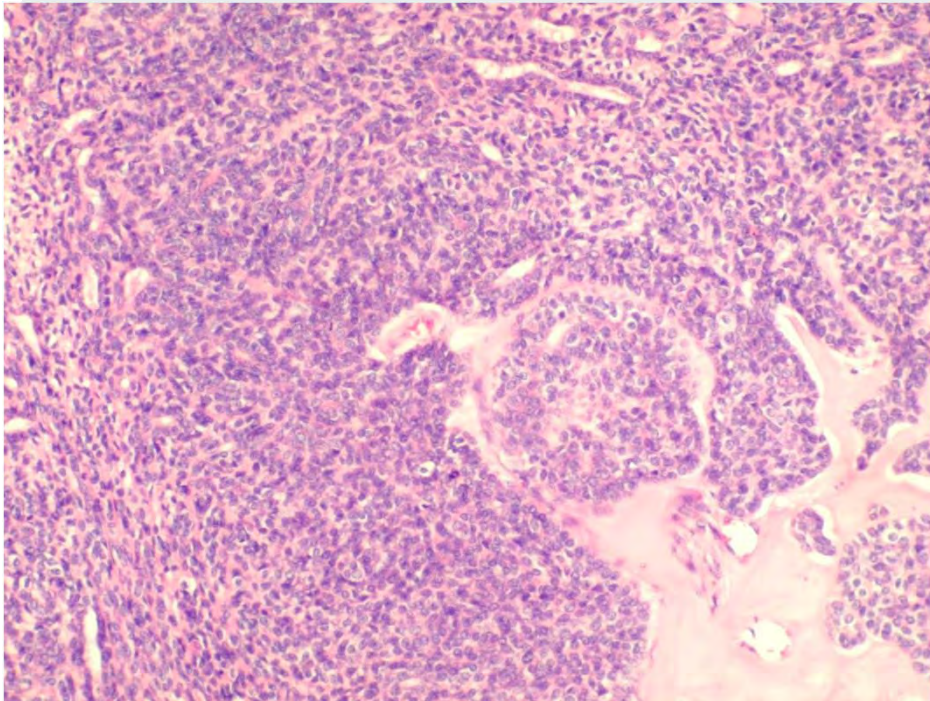
HISTOPATHOLOGIC FINDING



HISTOPATHOLOGIC FINDING



HISTOPATHOLOGIC FINDING



DIAGNOSIS

- **Histopathologic report**

Aenoid cystic carcinoma over a over left hard palate

- **Prognosis**

1. Prone to local recurrence
2. Most common site of metastasis: **lung** and **bone**
3. Lymph node metastasis: uncommon

CASE 8

■ **Name:** 彭 0 0

■ **Age:** 43

■ **Gender:** Male

■ **Chief Complaint**

A mass over right
floor of mouth for 3
months



PRESENT ILLNESS

- This 43 y/o male found a gumboil-like nodule over right floor of mouth 3 months ago. He pressed the nodule by finger and made the nodule ruptured. However, the lesion did not heal. It became ulcerated and got larger gradually, so he visited our ENT department. Biopsies were done twice and the reports showed benign condition. Dental infection was suspected so he was referred to our dental department for further dental evaluation and management.

PAST HISTORY

- **Past medical history**

Systemic disease: HCV, HTN

Hospitalization: denied

Drug allergy: denied

- **Past dental history:** general dental treatment

- **Habits:** alcohol (+), smoking (+), betel nut chewing (+)

INTRA-ORAL EXAMINATION

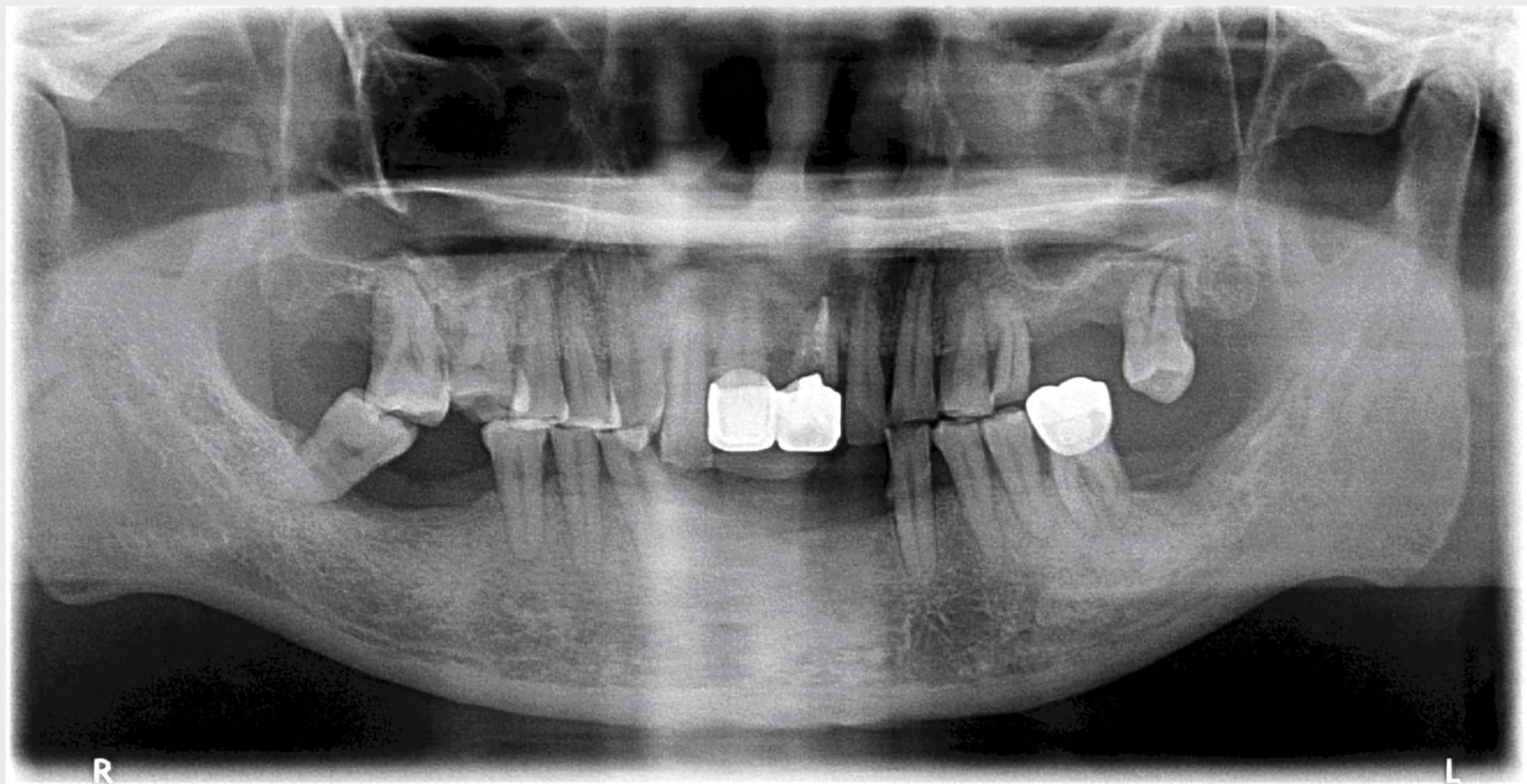
■ **An ulcerated mass over floor of mouth near 44, 45**

1. Dimension: 2.5 X 1 cm
2. Color : white, red and borwn
3. Surface : ulcerated
4. Shape: dome
5. Consistency : firm
6. base: sessile
7. Mobility: fixed
8. Pain (+)
9. Tenderness (+)



10. Flunctuation(-)
11. Induration(+)

IMAGE FINDING - PANOREX

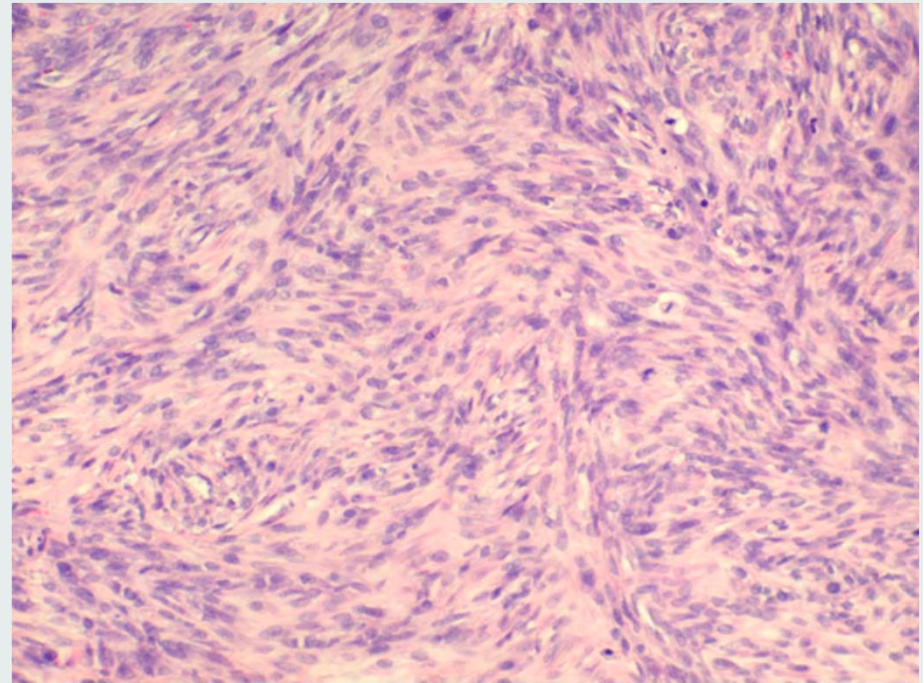
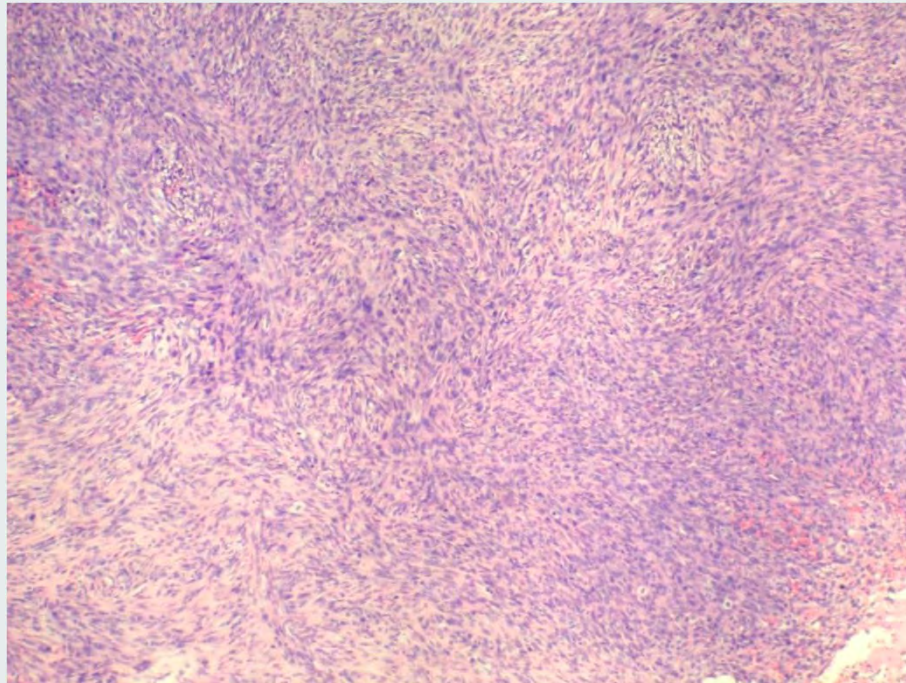


IMPRESSION

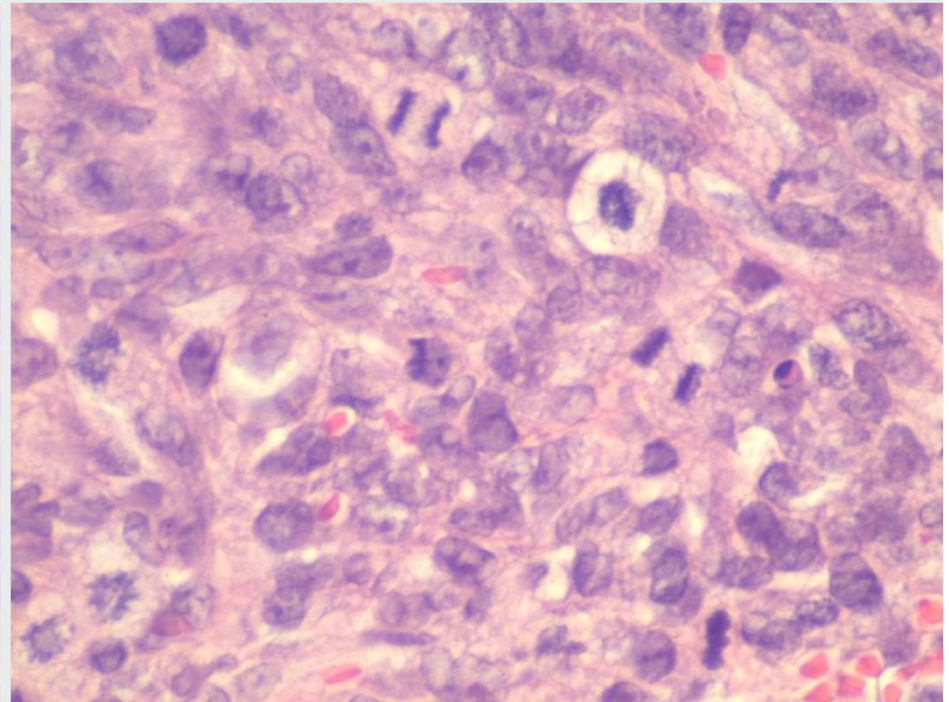
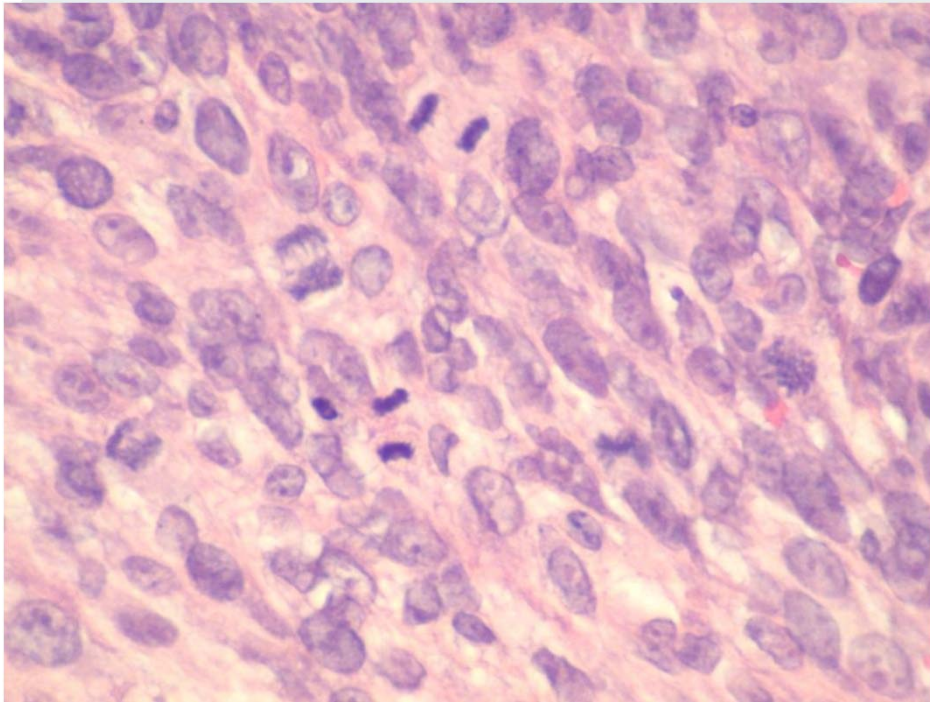
- **Clinical impression**

**Malignancy suspected over 44, 45 lingual
gingiva to floor of mouth**

HISTOPATHOLOGIC FINDING



HISTOPATHOLOGIC FINDING

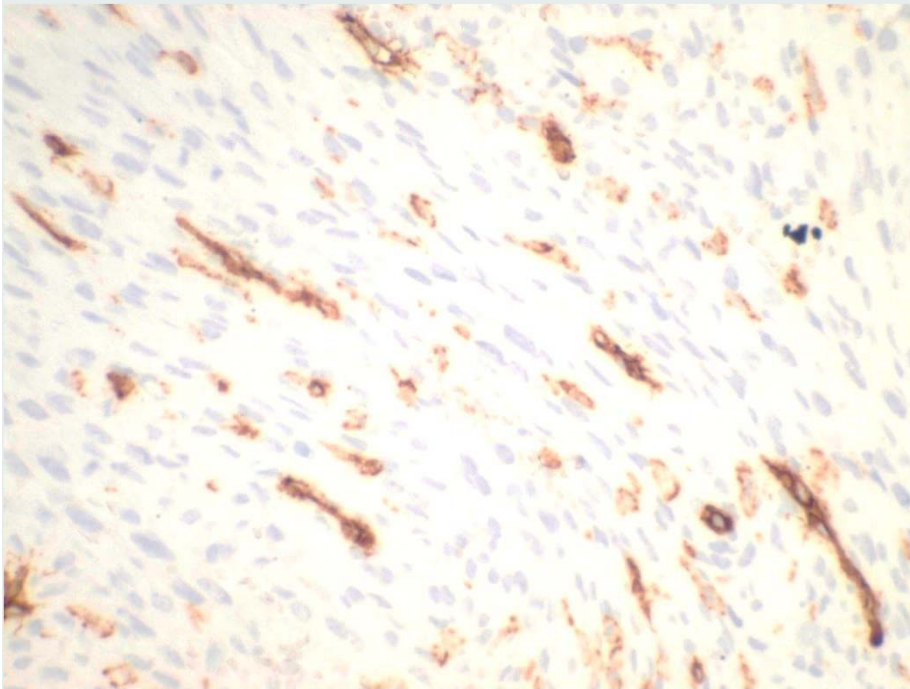


DIFFERENTIAL DIAGNOSIS

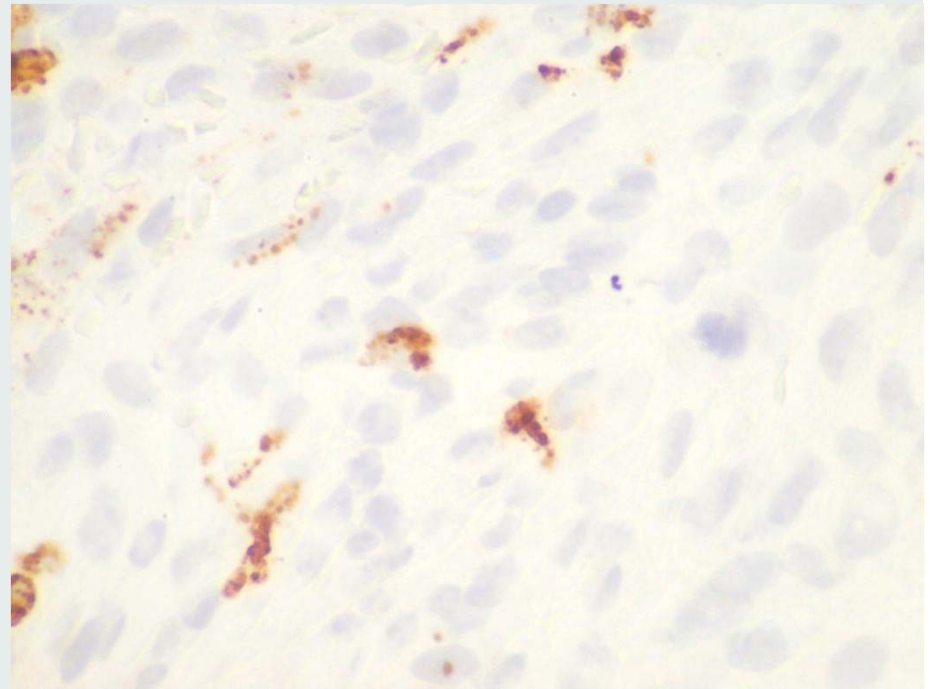
- **Neurofibrosarcoma** – wavy nuclei
- **Leiomyosarcoma**
- **Angiosarcoma**
- **Malignant fibrous histiocyoma** – large foamy cells
- **Spindle cell carcinoma**
- **Fibrosarcoma**

IMMUNOHISTOCHEMISTRY

CD31

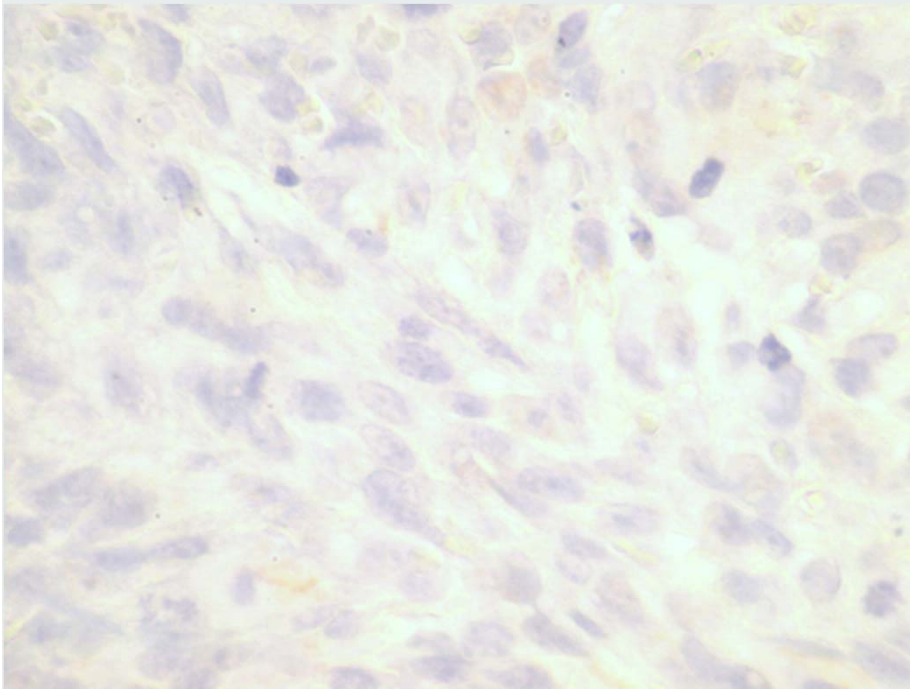


CD68

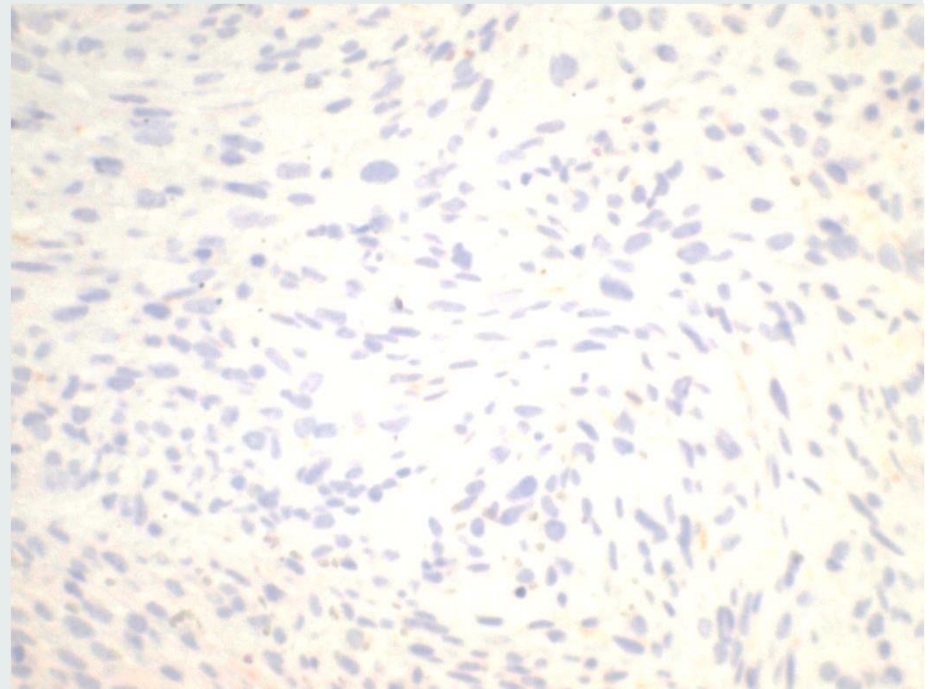


IMMUNOHISTOCHEMISTRY

SMA

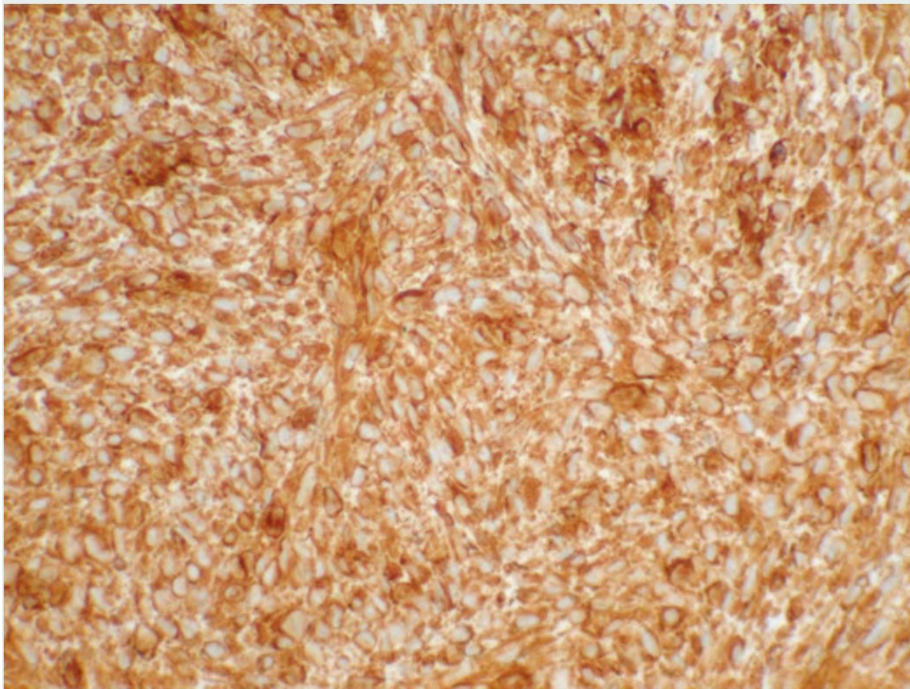


CK

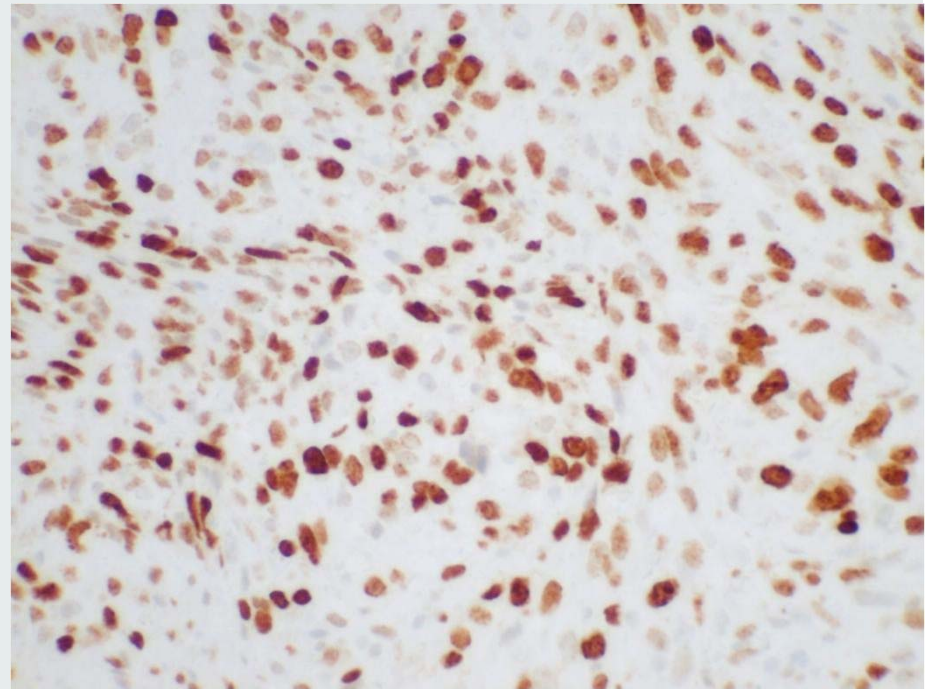


IMMUNOHISTOCHEMISTRY

Vimentin



Ki67



DIAGNOSIS

- Histopathologic report

Fibrosarcoma over 44, 45 lingual gingiva to floor of mouth

CASE 9

■ **Name:** 黃 0 0

■ **Age:** 52

■ **Gender:** Female

■ **Chief Complaint**

Lower left toothache and lower lip numbness for 2 months

■ **Present Illness**

This 52 y/o female was a case of breast cancer with bone and brain metastasis. She was admitted in our hospital for craniotomy. During admission, lower left toothache and lower lip numbness for 2 months was complained so oral surgeon was consulted.

PAST HISTORY

- **Past medical history**

Systemic disease: breast cancer with bone, lung and brain metastases

Hospitalization: OP and C/T for breast cancer

Drug allergy: denied

- **Past dental history:** general dental treatment

- **Habits:** alcohol (-), smoking (-), betel nut chewing (-)

OROMAXILLOFACIAL EXAM

- **Extra-oral exam**

left lower lip
numbness(+)

- **Intra-oral exam**

1. Tooth 34 --
mobility grade 0
biting pain(-),
soreness(+)
labial gingiva swelling
2. Other finding:
Not available



IMAGE FINDING - PANOREX

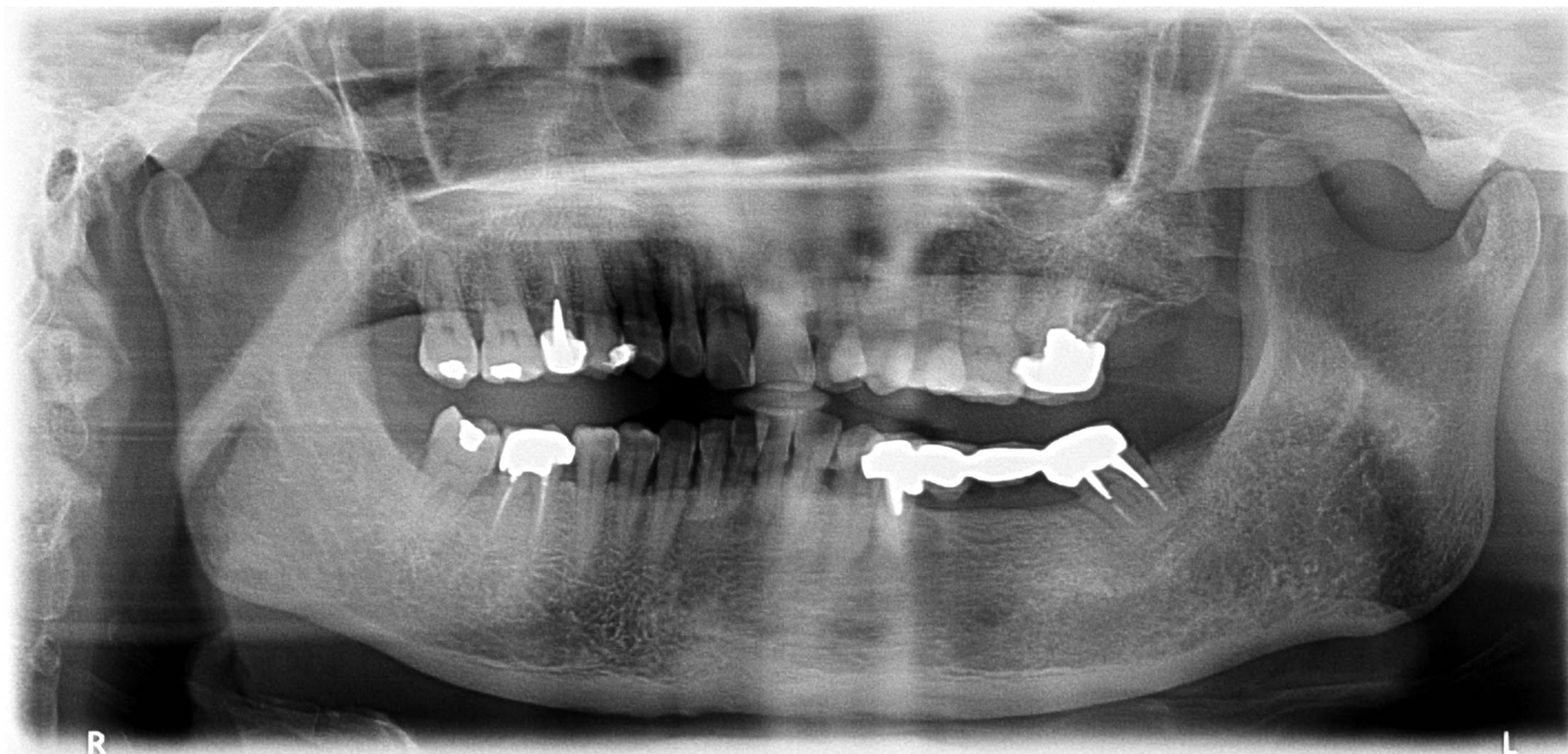


IMAGE FINDING – CT

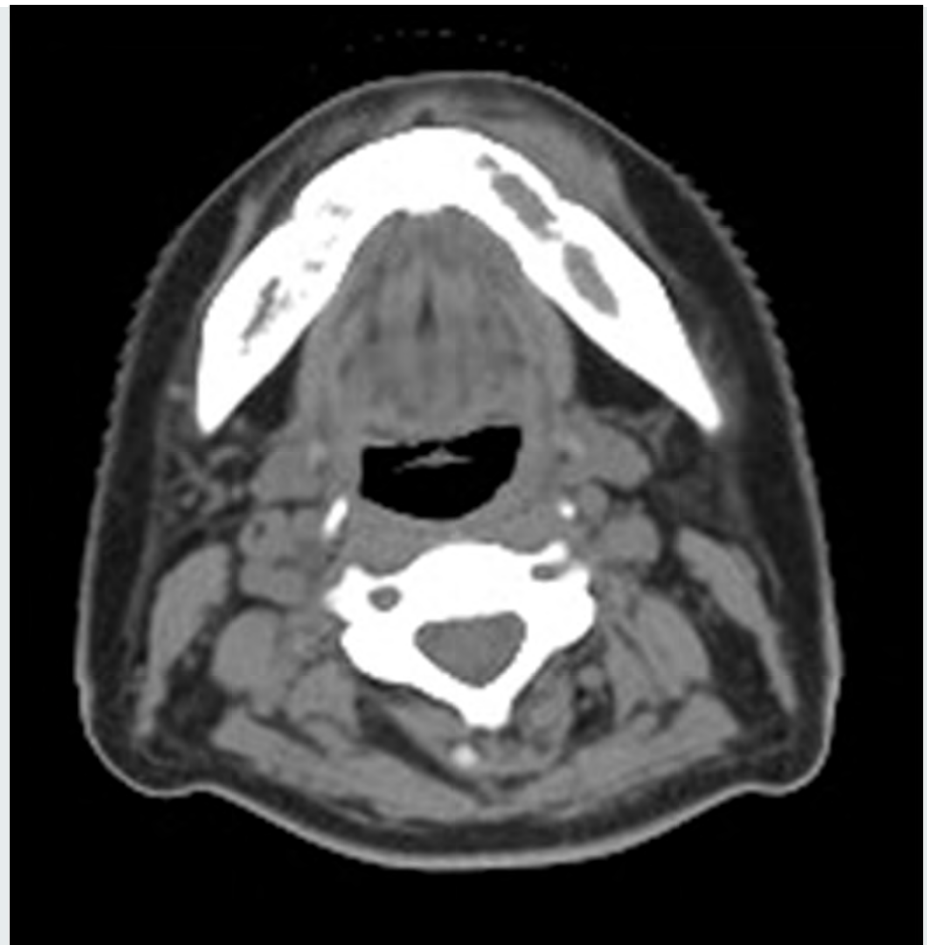
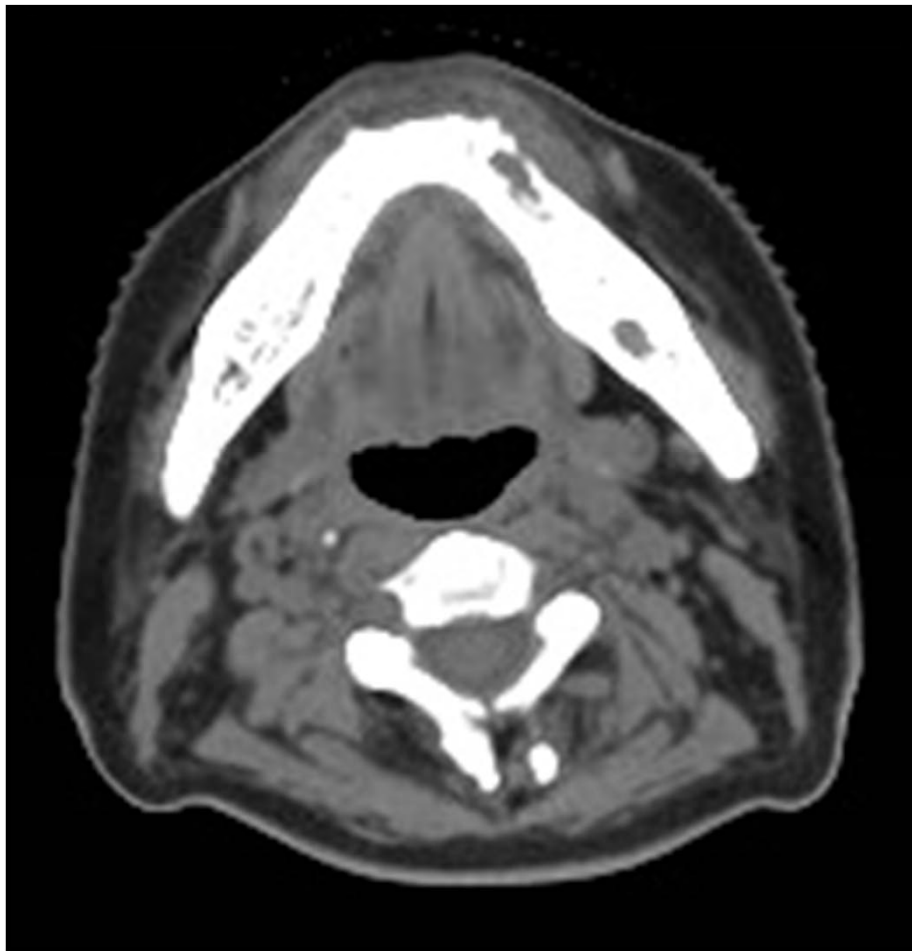
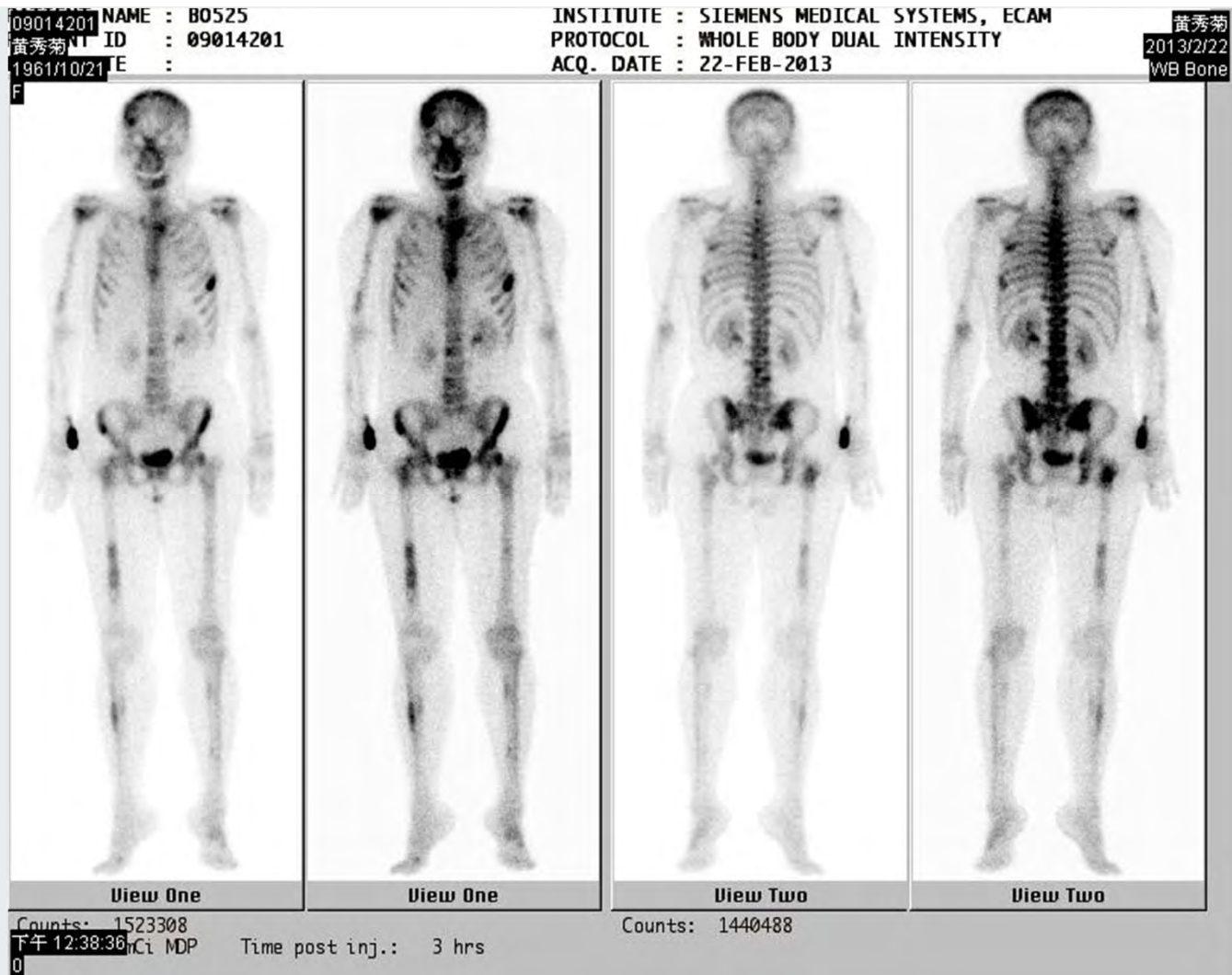


IMAGE FINDING – BONE SCAN



IMPRESSION

- **Clinical impression**

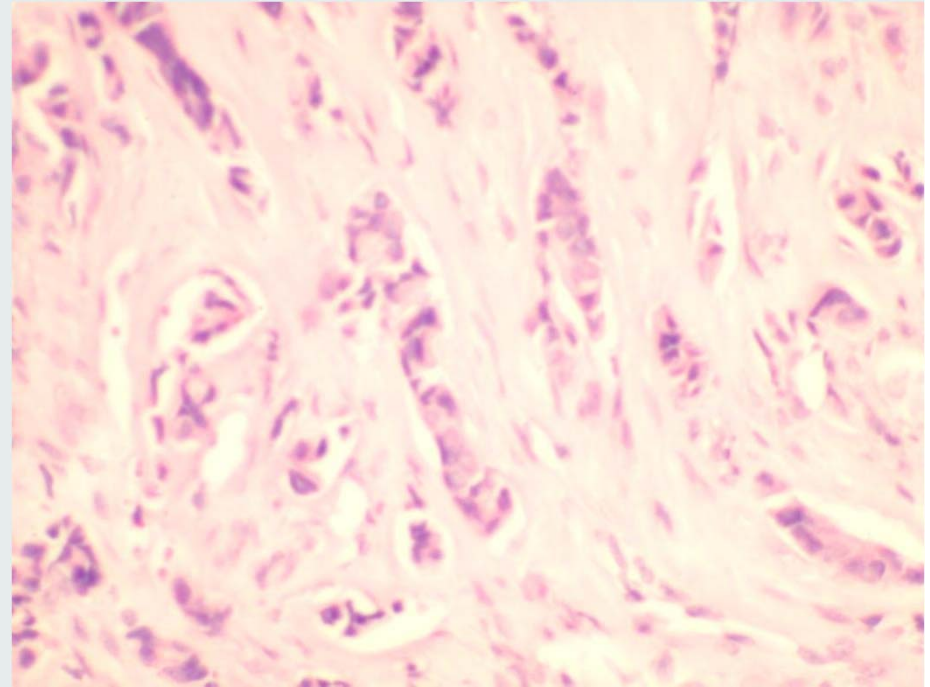
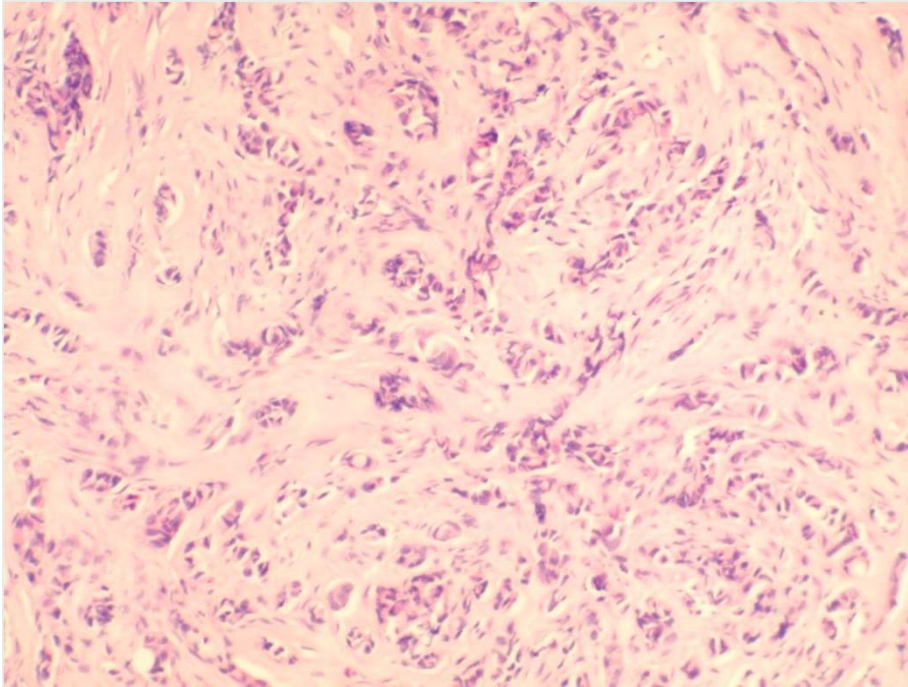
Metastatic lesion over left mandibular body

- **Bone scan report**

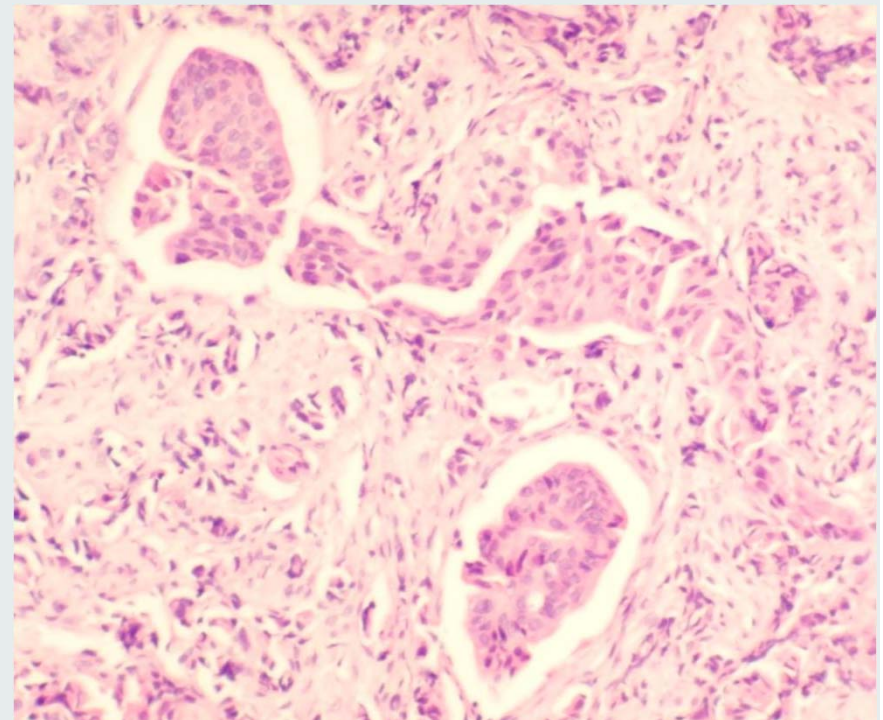
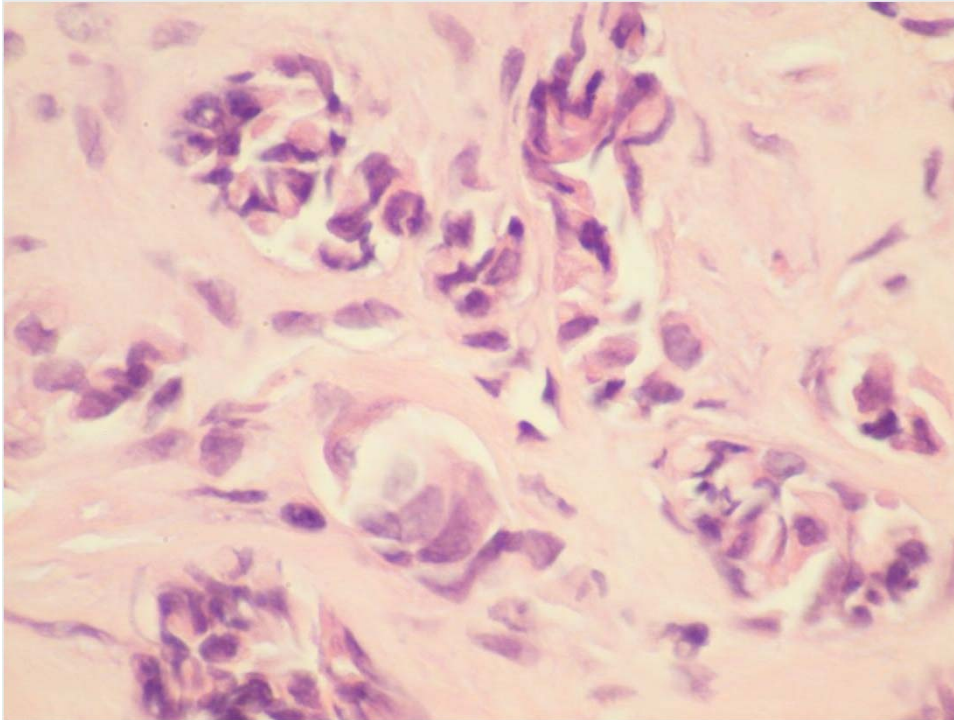
- 1. multiple bone metastasis**

- 2. hot spots over maxilla and mandible, dental problem suspected**

HISTOPATHOLOGIC FINDING

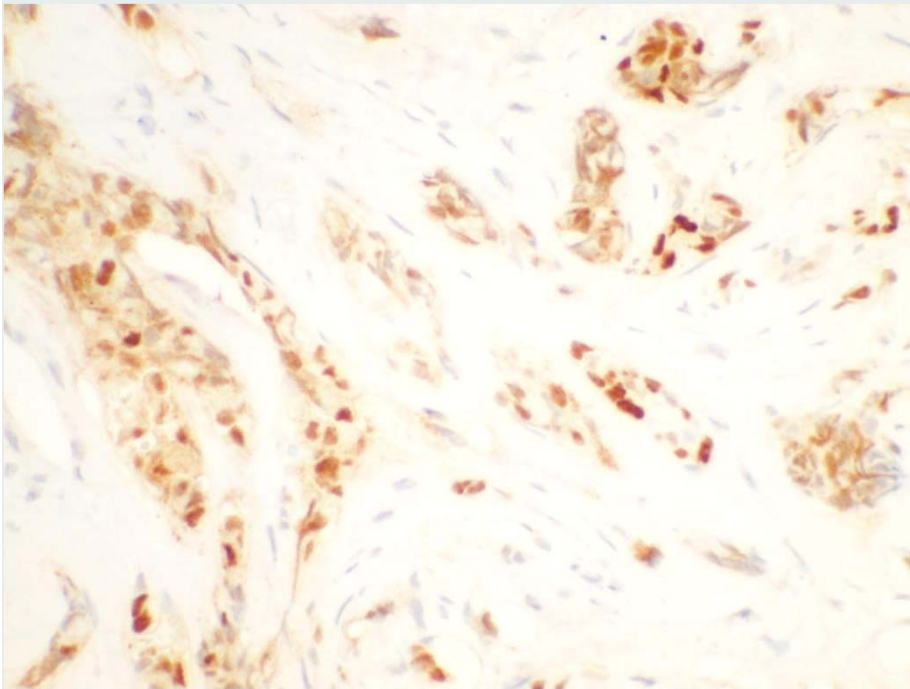


HISTOPATHOLOGIC FINDING

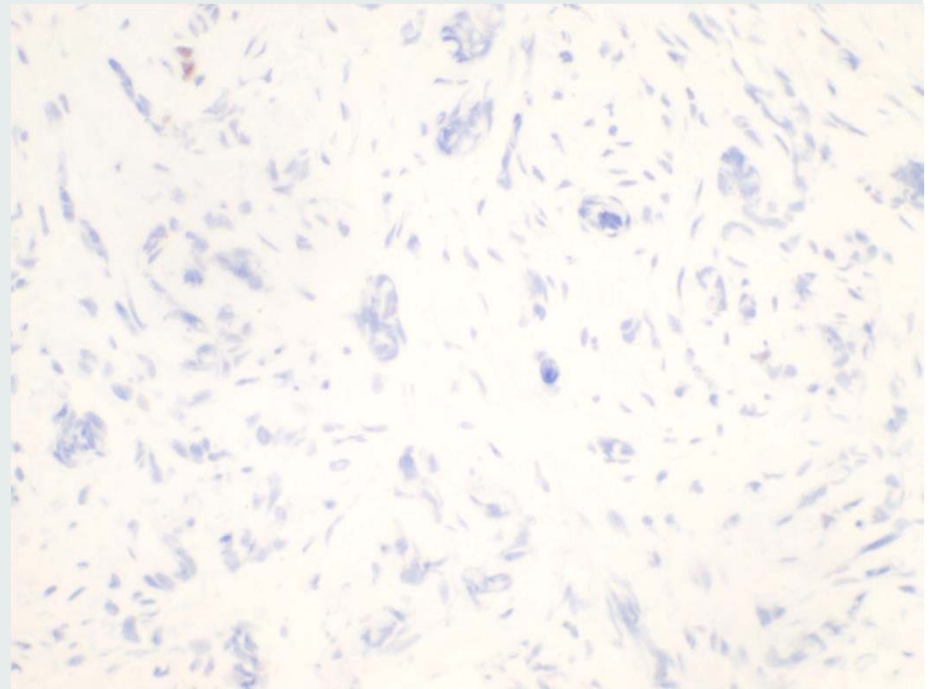


HISTOPATHOLOGIC FINDING

ER

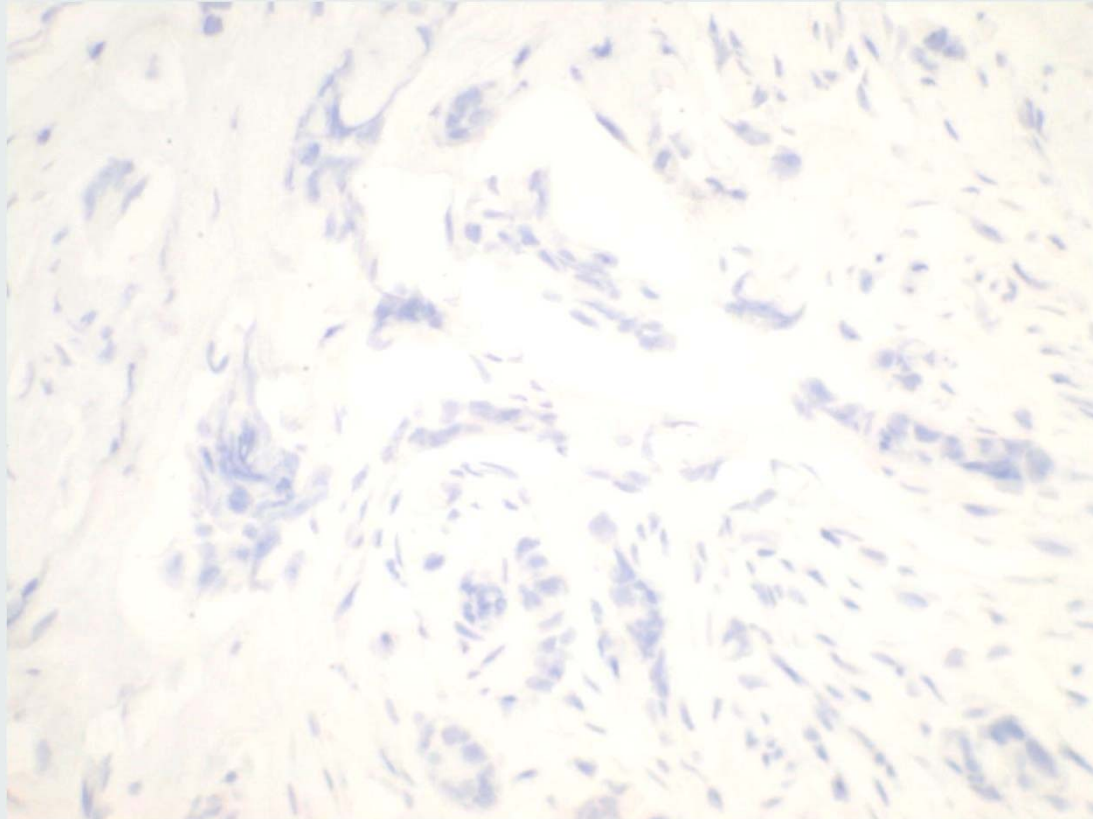


PR



HISTOPATHOLOGIC FINDING

TTF1



DIAGNOSIS

- **Histopathologic report**

Metastatic adenocarcinoma over left
mandibular body, breast cancer suspected

CASE 2

- **Name:** 許 0 0
- **Age:** 77
- **Gender:** Female
- **Chief Complaint**
An ulcer over tongue
for more than 2
months



PRESENT ILLNESS

- This 77 y/o female suffered from an ulcer over tongue dorsum for more than 2 month. She first visited our ENT department for treatment. Dexaltin was applied but the lesion did no subside. Then she visited our Rheumatology department. Sicca syndrome and oral ulcer were diagnosed. Steroid and colchicine were taken. The lesion still did not improved.

LAB SURVEY

- **DM**

Sugar, Hb Alb: WNL

- **Nutrition deficiency**

Serum ferritin: WNL

- **Anemia**

CBC: WNL

- **Sicca syndrome**

ANA, Anti-Ro, Anti-La,
C3, C4, RA factor:
WNL

PAST HISTORY

- **Past medical history**

Systemic disease: HTN, RA, peptic and duodenal ulcer, reflux esophagitis

Hospitalization: osteophyte

Drug allergy: analgesic medication

- **Past dental history:** general dental treatment

- **Habits:** alcohol (-), smoking (-), betel nut chewing (-)

INTRA-ORAL EXAMINATION

■ An ulcer over middle tongue dorsum

1. Dimension: 5.5 x 2 cm
2. Color: yellowish
3. Shape: irregular
4. Consistency: elastic
5. Base: sessile
6. Mobility: fixed
7. Pain(+)
8. Induration(-)



INTRA-ORAL EXAMINATION

■ An ulcer over soft palate

1. Dimension: 2 x 1 cm
2. Color: red
3. Shape: irregular
4. Consistency: elastic
5. Base: sessile
6. Mobility: fixed
7. Pain(+)
8. Induration(-)

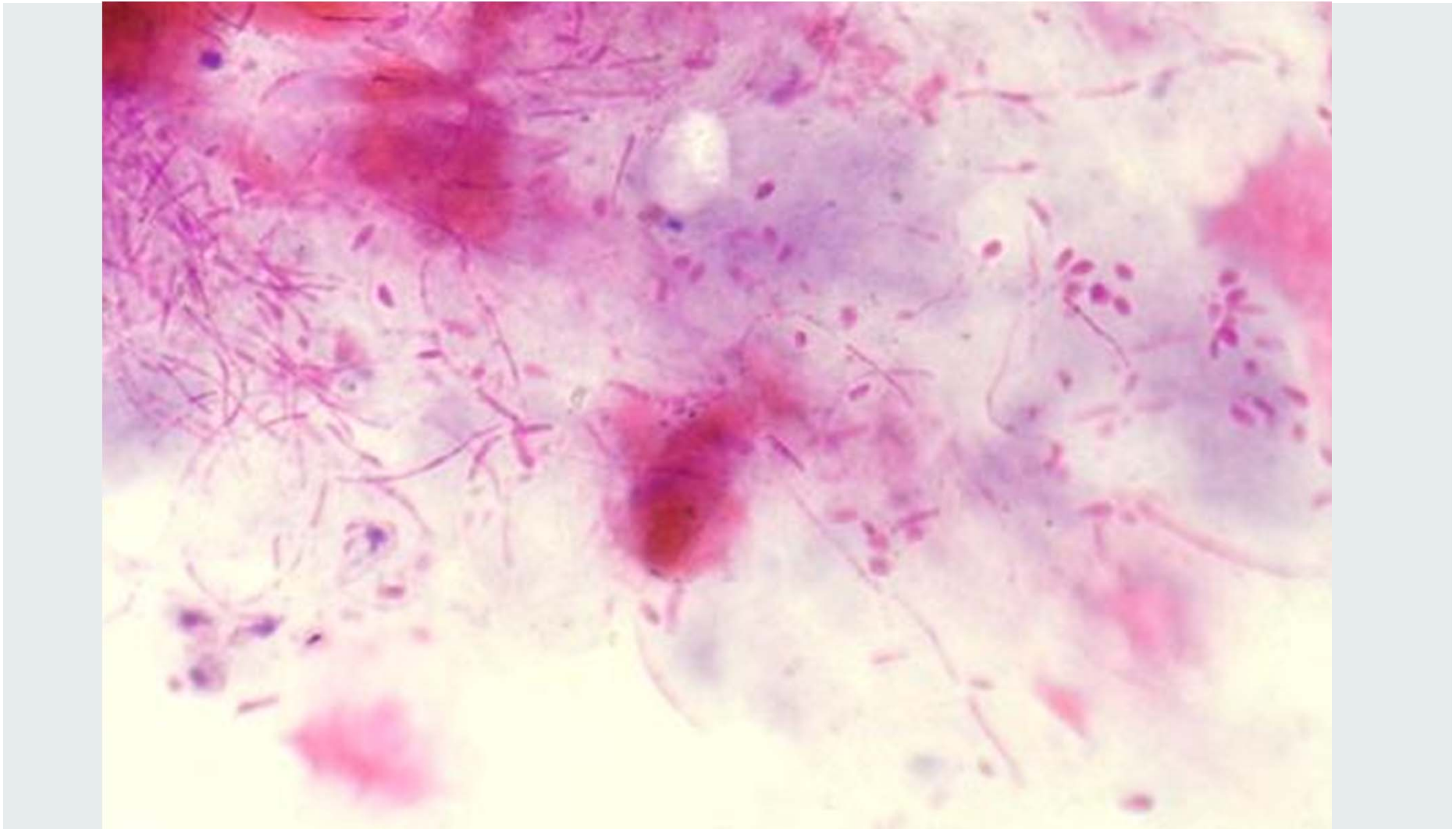


IMPRESSION

- **Clinical impression**

- 1. candidiasis**
- 2. rhomboid glossitis**

CYTOLOGIC FINDING



DIAGNOSIS

- Smear report

Candidiasis over middle tongue dorsum

- Possible causes

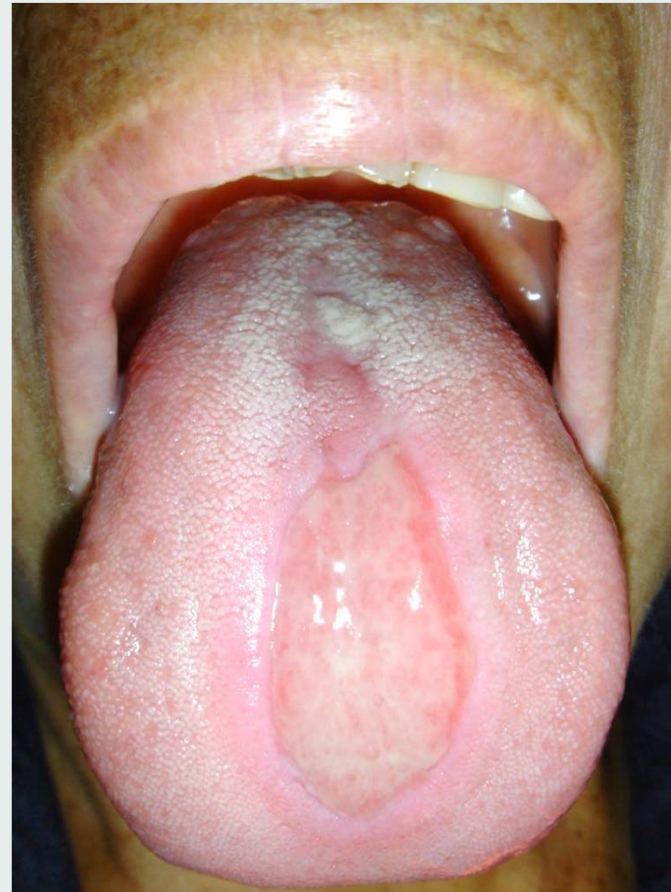
1. Immunocompromised due to steroid
2. Dry mouth

TREATMENT COURSE

1st week



1st month

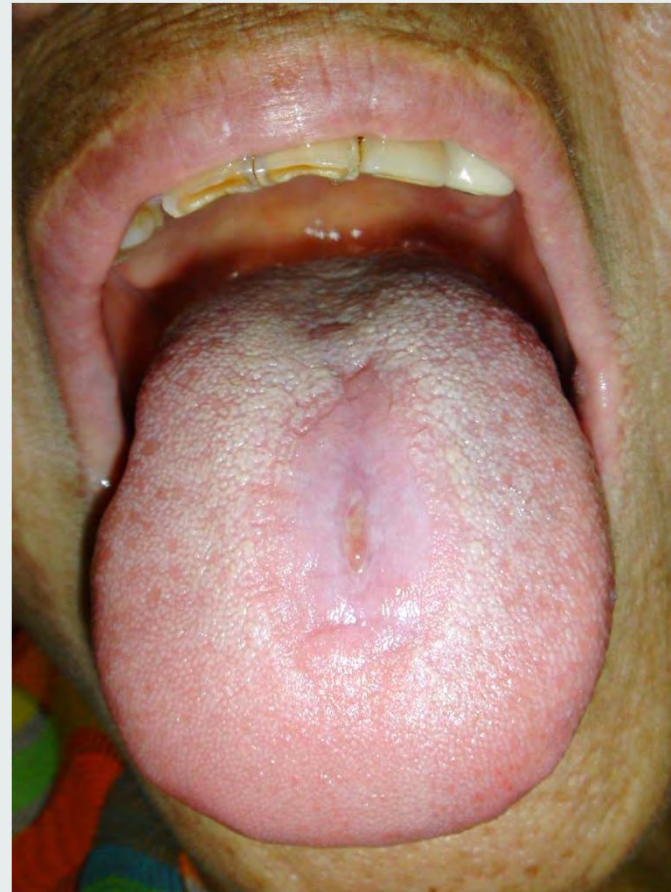


TREATMENT COURSE

2nd month



3rd month



SUMMARY

No.	Brief description	Histopathologic Diagnosis
1	Two unilocular RL lesions over bil. ramus	Keratocystic odontogenic tumor
2	A multilocular lesion over left Md body and ramus	Ameloblastoma
3	A RO mixed RL lesion over symphysis and left madible	Cemento-ossifying fibroma
4	A bony hard mass over right hard palate for 5 years	Osteolipoma
5	A mass over right neck for 1 year	Teratoma
6	An ulcerated mass over left tongue and left protid mass	SCC & Warthin's tumor
7	A swelling mass over left hard palate for 3 years	Adenoid cystic carcinoma
8	A fast-growing mass over right floor of mouth for 3 months	Fibrosarcoma
9	A ill-defined RL lesin over left mandible	Metastatic adenocarcinoma
10	An ulcer over tongue dorsum for 2 months	Candidiasis



Thank you very much for your attention.