



# Case Report

D93 Intern K

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指導老師：

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# General Data

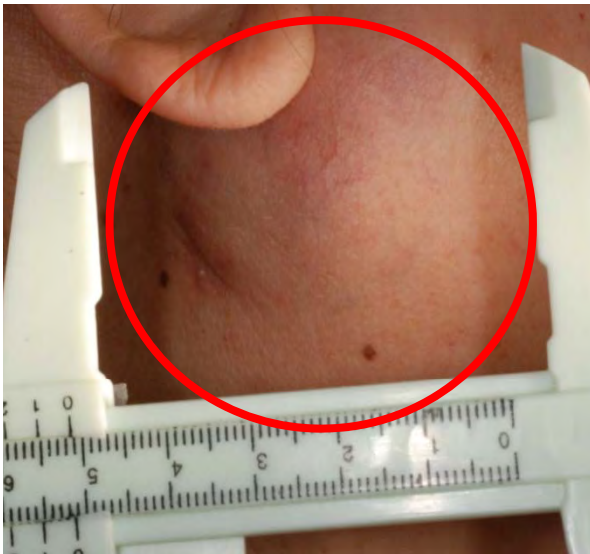


- Name : 江吳○明
- Gender : Female
- Age : 54歲
- Occupation : 無
- Attending VS :  
謝天渝醫師
- First visit : 98.7.13



# Chief Complaint

- Swelling over right face and bilateral pre-auricular area for 2~3 years



# Present Illness



- This 54 year old female patient has suffered from swelling masses over right face and bilateral pre-auricular area for 2~3 years. She ever went to 高榮 for help and the doctor referred her to our OPD for further examination and treatment (原因不明).

# Past History



- Past Medical History
  - DM : under medicine control for 8 years
  - HT : under medicine control for 8 years
  - Drug allergy: denied
  - Hospitalization : thrombocytopenia
- Past Dental History
  - Routine dental treatment
  - Upper and lower complete denture
  - Attitude : co-operative

# Risk Factors



- Alcohol : (-)
- Betel quid : (-)
- Smoking : (-)
- Other special oral habits: (-)

# Extraoral Examination





# Extraoral Examination



Site	Right mild face
Size	5.9x4.5 cm
Shape	Dome
Color	Ecchymotic
Consistency	Firm
Fluctuation	—
Mobility	Fixed
Pain	—
Tenderness	—
Induration	+







# Extraoral Examination

Site	Right pre- and intra-auricular region
Size	5.1×3.0 cm
Shape	Dome
Color	Normal
Consistency	Firm
Fluctuation	—
Mobility	Fixed
Pain	—
Tenderness	—
Induration	+



# Extraoral Examination



Site	Left pre-auricular region
Size	5.0x4.0 cm
Shape	Dome
Color	Normal
Consistency	Firm
Fluctuation	—
Mobility	Fixed
Pain	—
Tenderness	—
Induration	+



# Extraoral Examination



Site	Right submandibular area
Size	6.5×3.5 cm
Shape	Dome
Color	Normal
Consistency	Firm
Fluctuation	—
Mobility	Fixed
Pain	—
Tenderness	—
Induration	+
Lymphadenopathy	+



# Intraoral Examination



Site	Right buccal mucosa
Size	6.0x2.0 cm
Surface	Smooth
Base	Sessile
Shape	Dome
Color	Normal
Consistency	Firm
Fluctuation	—
Mobility	Fixed
Pain	—
Tenderness	—
Induration	+





# X-ray finding



R.R : 16,34,35,42,43,45

Missing : 11,12,13,14,15,17,18,21,22,23,24,25,26,27,28,31,32,33,36,37,38,41,44,  
46,47,48

Bony density : normal

Condyle and sinus : normal

Others : resorption of edentulous ridge, no other special finding.

# CT finding-axial view



There are 4 round well-defined homogeneous enlarged mass,

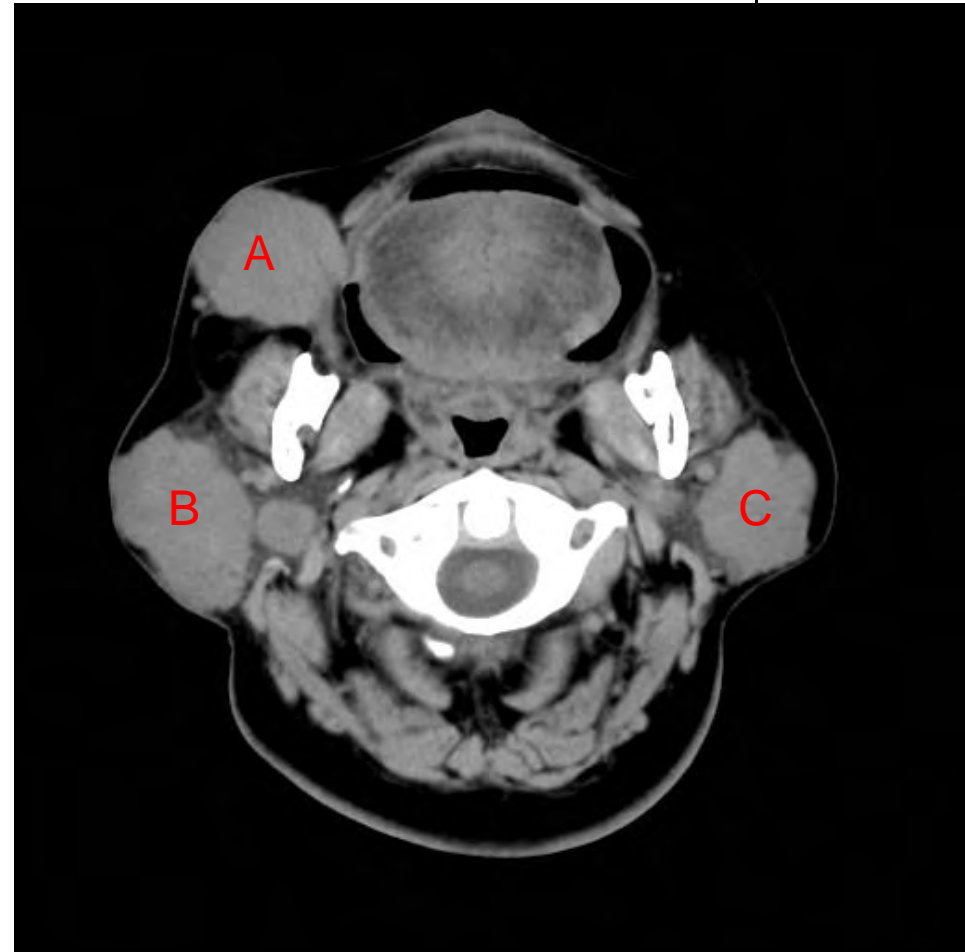
A and B located at right side :

**A** is at right buccal space,  
size is measured approximately 5x5 cm  
in diameter.

**B** is at right parotid gland,  
Size is measured approximately 5X7 cm.

C located at left side :

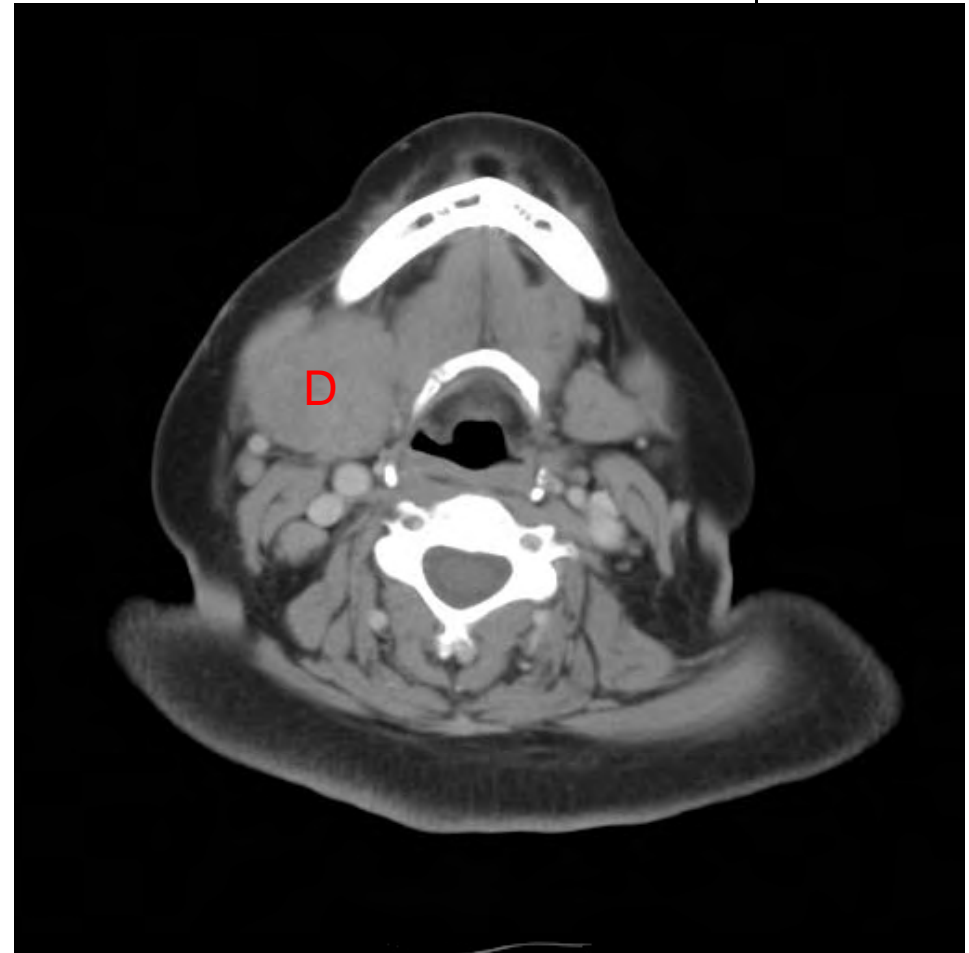
**C** is at left parotid gland,  
Size is measured approximately 4X4 cm.



# CT finding-axial view

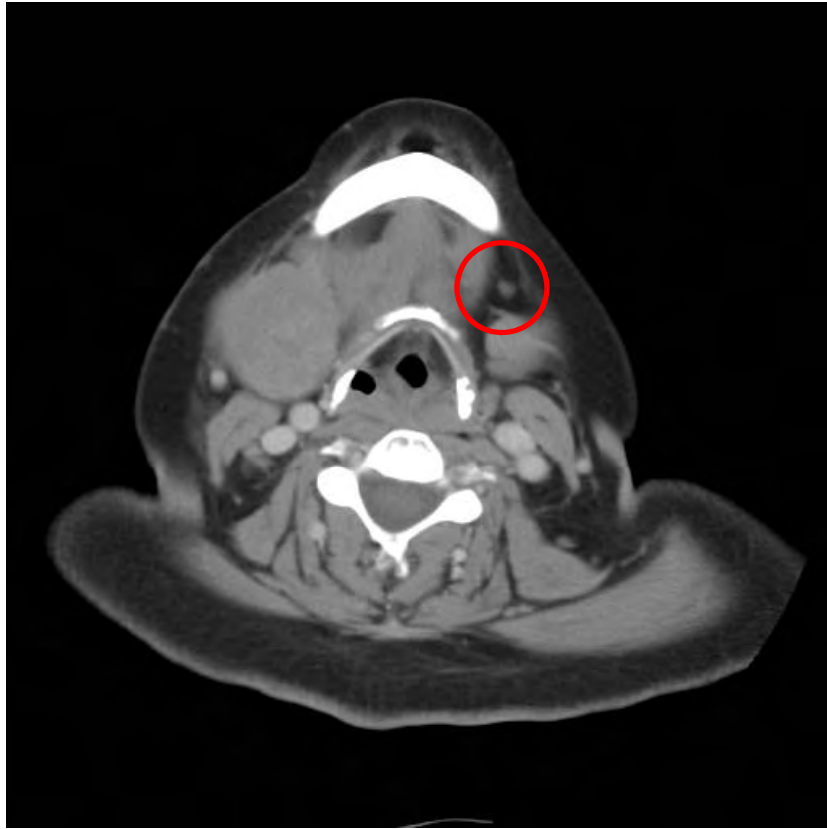
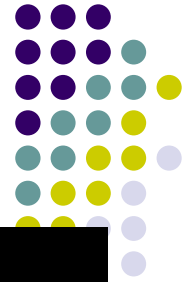


**D** located at right side  
D is at submandibular glands,  
Size is measured approximately 5X5  
cm in diameter.





# CT finding-axial view



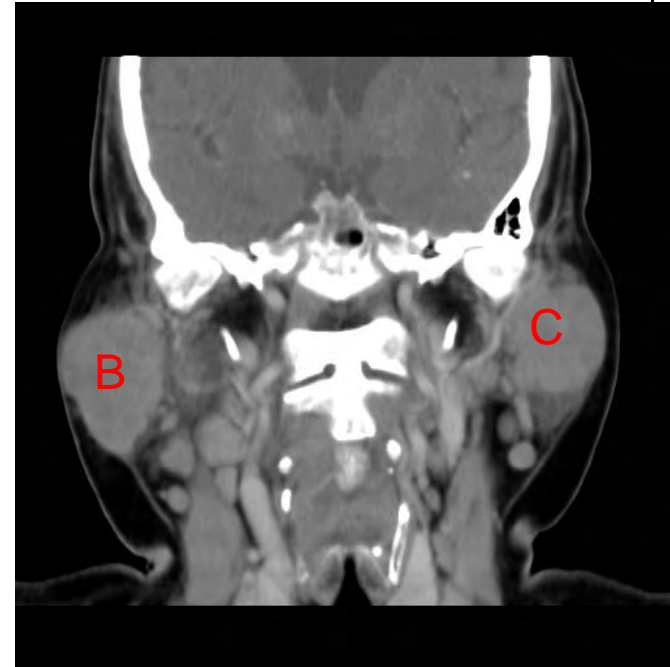
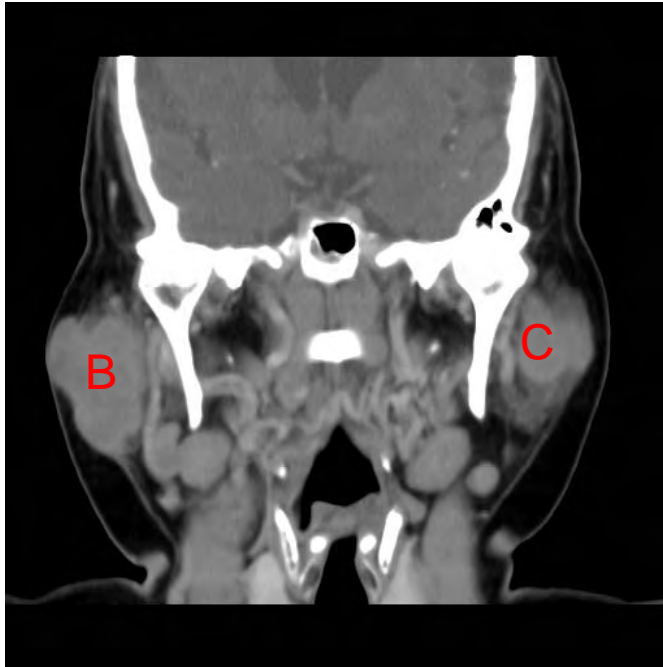
0.5X0.5cm



1X1cm

Level 1b Lymphadenopathy.

# CT finding-coronal view

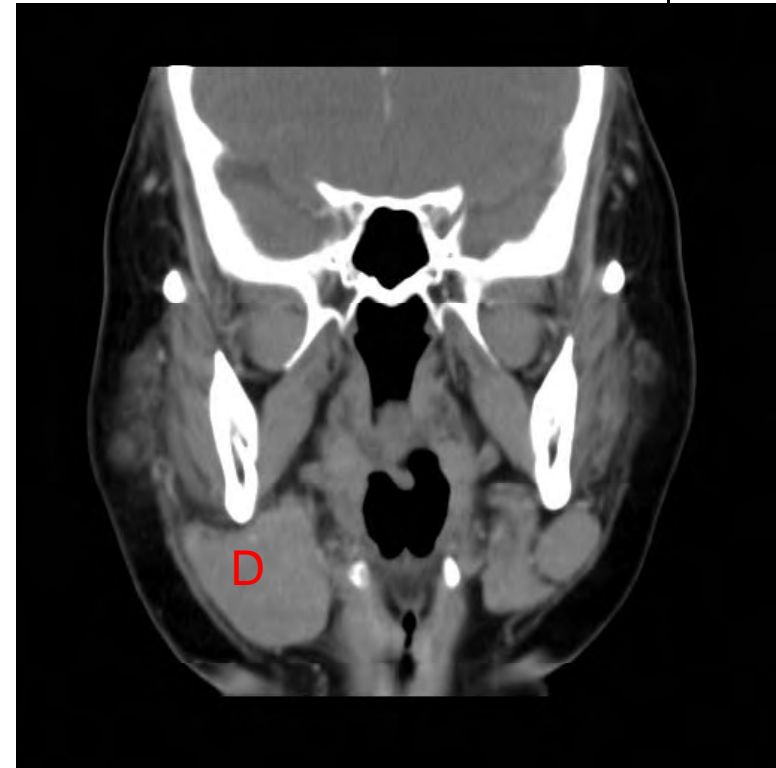
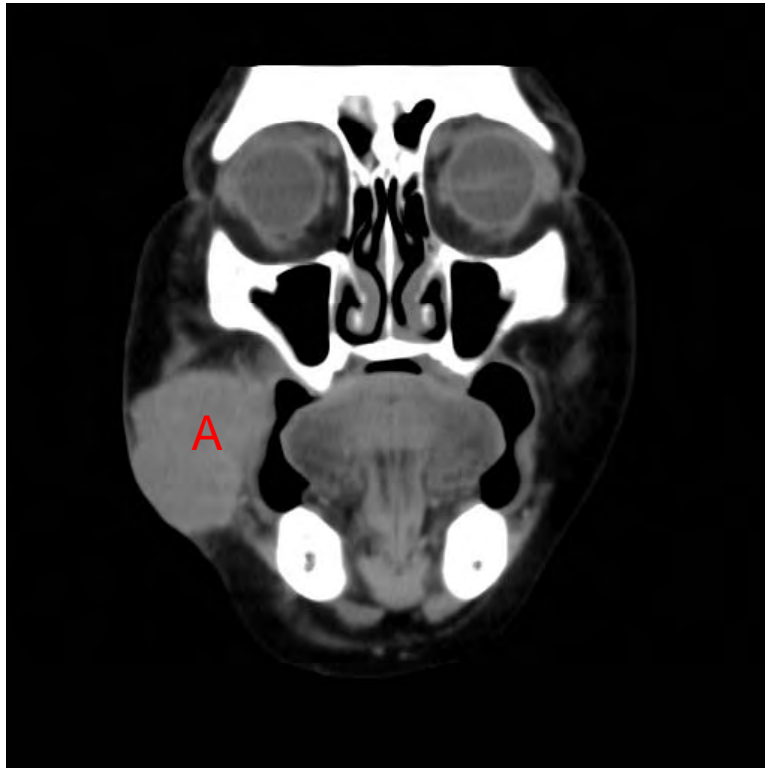
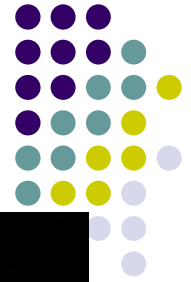


Swelling mass **B** is located at right side, round shaped, extending from condyle neck to mandibular angle, and from ascending ramus to skin, measured about 5X6 cm in diameter.

Swelling mass **C** is located at left side, round shaped, extending from condyle neck to mandibular angle, and from ascending ramus to skin, measured about 4X5 cm in diameter.

C is higher than B, difference is about 1.5 cm.

# CT finding-coronal view



Swelling mass A is at right side, round shaped, extending from buccinator muscle to skin, and from zygomatic arch to lower cheek. Measured about 5X5 cm.

Swelling mass C is at left side, irregular shaped, extending from lower margin of mandible to platysma muscle, and from hypoglossal muscle to platysma muscle, measured about 5 X5 cm .



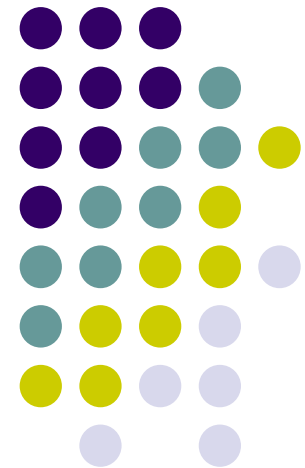
- Inflammation?
- Cyst?
- Neoplasm?
- Oral maxillofacial manifestation related to systemic disease



- Fever or local heat: (-)
- Pain: (-)
- Swelling: (+)
- Purulent drainage: (-)
- Consistency: firm
- Mobility: fixed
- Fluctuation :(-)

# Neoplasm and Oral maxillofacial manifestation related to systemic disease

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# Neoplasm

## Benign/Malignant?



- Fixed
- No ulceration to skin or mucosa
- Slow growth
- Long duration
- No pain
- Induration
- demarcated margin in CT finding

Benign tumor





# Working diagnosis






- ***Neoplasm***
  1. Warthin tumor
  2. Pleomorphic adenoma
  3. Basal cell adenoma
- ***Oral maxillofacial manifestation related to systemic disease***
  1. Sjögren syndrome (primary)
  2. Sialadenosis
  3. Sarcoidosis



# *Differential diagnosis*



# Warthin tumor

	Warthin tumor		Our case
Gender	Male:Female $\div$ 10:1 (But recently 1:1)		Female
Age	Older adults		54 y/o
Site	Parotid gland, mandibular angle , bilateral		Parotid gland and submandibular gland
Pain	(-)		(-)
Growing	Slowly		Slowly
Consistency	Firm		Firm







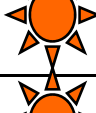

# *Warthin tumor*



OUR CASE



# Pleomorphic adenoma

	Pleomorphic adenoma		Our case
Gender	Female > Male (slightly)		Female
Age	Any age (30~50 is the most common)		54 y/o
Site	Parotid gland (53%~77%) Submandibular gland (44~68%) Minor gland (38~43%)		Parotid gland and submandibular gland
Pain	(-)		(-)
Growing	Slowly		Slowly
Consistency	Firm		Firm



## OUR CASE









*Pleomorphic  
adenoma*





# Basal cell adenoma

	Basal cell adenoma		Our case
Gender	2:1 (female-to-male ratio)		Female
Age	Any age (most common in middle-aged and older adults)		54 y/o
Site	Parotid gland (75%) Minor salivary gland (25%)		Parotid gland and submandibular gland
Pain	(-)		(-)
Growing	Chronic		Slowly
Consistency	Firm		Firm



# BASAL CELL ADENOMA








## OUR CASE





# Sjögren syndrome (primary)

	Sjögren syndrome (primary)		Our case
Gender	80~90% in female		Female
Age	Middle-aged adult		54 y/o
Site	Major salivary gland Usually bilateral		Parotid gland and submandibular gland
Pain	Nonpainful or slightly tender		(-)
Growing	Slowly		Slowly



## *OUR CASE*



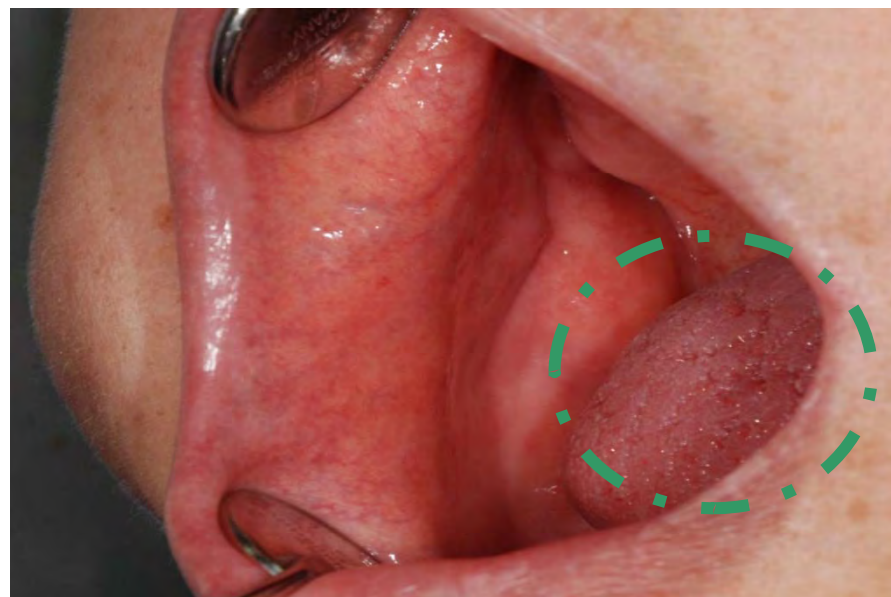
***Sjögren syndrome  
(primary)***










## ***OUR CASE***

***Sjögren syndrome  
(primary)***



# Sialadenosis

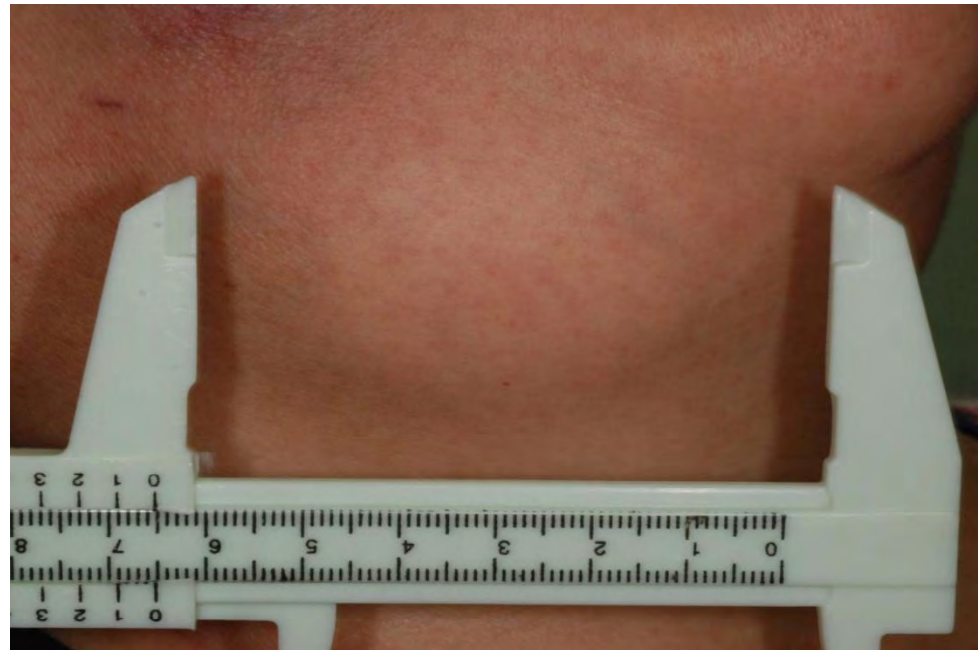


	Sialadenosis	Our case
Gender	No particular	Female
Age	Between 20y/o~60y/o 	54 y/o
Site	Salivary gland, particularly involving parotid gland, usually bilateral 	Parotid gland and submandibular gland
Pain	May painful or not 	(-)
Growing	Slowly 	Slowly
Cause	Endocrine ,nutritional ,neurogenic medication 	









## ***OUR CASE***



***Sialadenosis***



# Sarcoidosis

	Sarcoidosis		Our case
Gender	Male > Female		Female
Age	Between 20~40 years of age		54 y/o
Site	Mouth floor extend to salivary gland		Parotid gland and submandibular gland
Pain	(-)		(-)
Growing	Slowly		Slowly
Consistency	Firm		Firm



# SARCOIDOSIS



## OUR CASE





# Final diagnosis

- ***Neoplasm***

⇒ Warthin tumor

- ***Oral maxillofacial manifestation related to systemic disease***

⇒ Sjögren syndrome (primary)



*Thanks for your attention~!*