

# Case Report

D 95 組別：Intern K組

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指導老師：口腔病理診斷科全體醫師

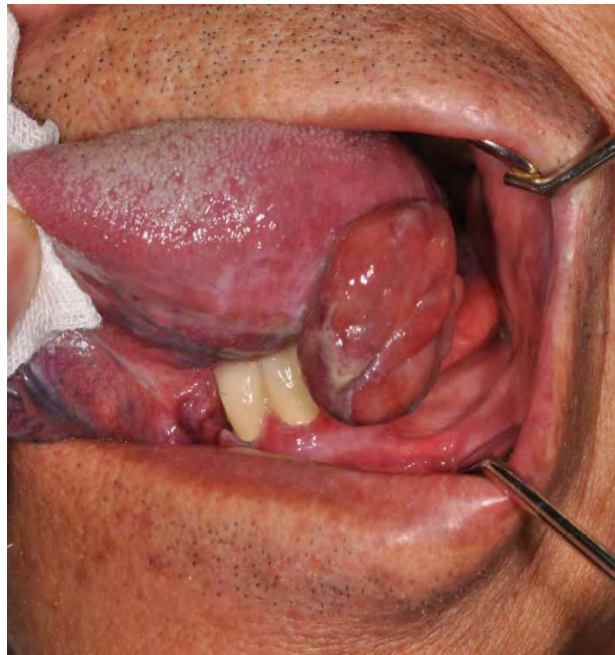
# Personal Data

- Name: 陳○○
- Gender: Male
- Age: 71 y/o
- 主治醫師: 許瀚仁醫師
- 初診日期: 100.03.25



# Chief Complaint

- A soft tissue mass over left tongue lateral border for 2 months



# Present illness

- This 71 y/o male suffered from a fast-growing soft mass over left lateral tongue border for 2 months, the LDC dentist suggested him to go to OS OPD for further examination and treatment.

# Past Medical History and Past Dental History

- Systemic diseases: HTN, 狭心症
- Drug Allergy: Denied
- Hospitalization: Denied
- Past dental history: No data

# Personal Habit

- Personal habits:

- A (+) 已戒一年

- B (-)

- C (-)

- Other habit: Denied

# OMF Findings(I)

Extraoral examination: n.p

Intraoral examination:

- An exophytic soft tissue mass over left lateral tongue border
- Max.Dimension: 3.0x2.0cm
- Shape: lobulated
- Base: peduculated
- Surface: ulcerative
- Color: red
- Consistency: soft

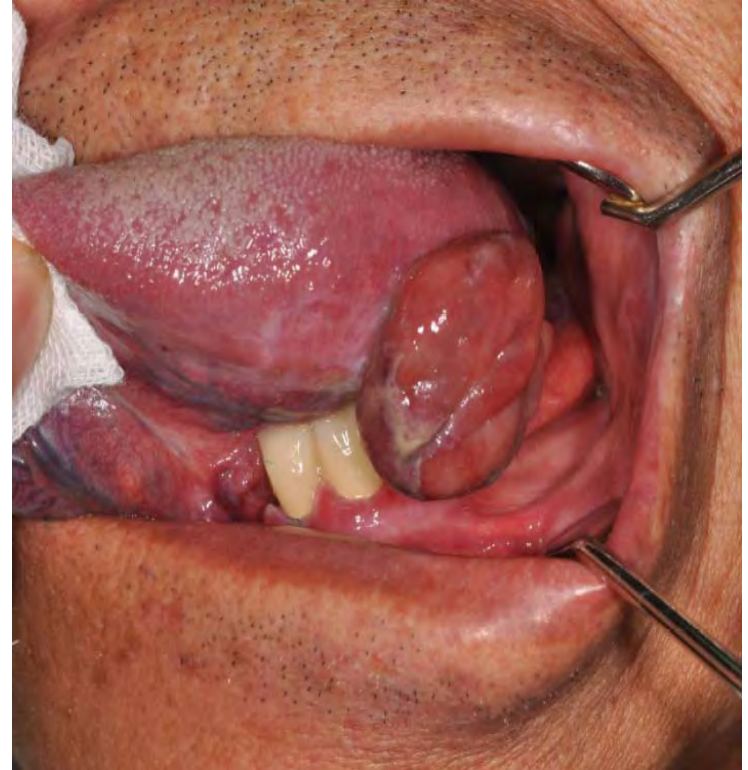
A month before going to OPD



Present condition

# OMF Findings(II)

- Mobility: fixed
- Pain (-)
- Tenderness (-)
- Induration (-)
- Fluctuation (-)
- Discharge (-)
- Neck LAP (+)  
over L't submadibular area





# X-ray, CT ,or MRI Image

- Findings : None

# Differential Diagnoses

Criteria of differential diagnosis based on exophytic soft mass of fast-growing, reddish color, ulcerative surface, pedunculated base, and lobulated shape with LAP over L't submandibular area.

# Inflammation ? Infection ? Cyst ? Neoplasm ?

- Color : red
- Consistency : soft
- Fever or local heat : (-)
- Discharge : (-)
- Pain : (-)
- Fluctuation : (-)
- Ulceration : (+)
- Duration : 2 months
- Swelling : (+) → → → Neoplasm

# Central or Peripheral ?

- Ulceration : (+)
- Bony expansion or destruction : (-)
- Induration(-)
- Exophytic soft tissue mass (+)

→ → → Peripheral

# Malignant or Benign ?

- Duration : 2 months
- Ulceration : (+)
- Mobility : fixed
- LAP : (+)

→ → → Malignant

- Working Diagnoses

# Sites of origin

- Epithelium → Squamous cell carcinoma
- Salivary gland → Mucoepidermoid carcinoma;  
Adenoid cystic carcinoma
- Vessels → Angiosarcoma
- Nerve → Malignant schwannoma
- Muscle → Rhabdomyosarcoma
- Fibrous tissue → Fibrosarcoma
- Adipose tissue → Liposarcoma

# Squamous cell carcinoma (1)

Factors	Our Case	SCC
Age	71	Increasing age
Gender	Male	Male
Site	Left tongue border	1. Tongue 2. Soft palate 3. Gingiva
Duration	2 months	4-8 months
Color	Red	Yellow/Red
Shape	Lobulated	Irregular



## Squamous cell carcinoma (2)

Surface	Ulcerative	Rough
Consistency	Soft	Firm
Pain	(-)	Gingiva /alveolar site (-)
Tenderness	(-)	(+)
Mobility	Fixed	Fixed
Induration	(-)	(+)

# Mucoepidermoid Carcinoma(1)

Factors	Our Case	Mucoepidermoid carcinoma
Age	71	20-70
Gender	Male	Slight female predilection
Site	Left tongue border	Most in parotid gland, 2nd in minor salivary gland (hard palate)
Duration	2 months	1 yr or more
Color	Red	Blue or red color
Shape	lobulated	Dome-shaped

# Mucoepidermoid Carcinoma (2)

Surface	Ulcerative	smooth
Consistency	Soft	Soft to firm
Pain	(-)	(-)
Tenderness	(-)	(-)
Mobility	Fixed	Fixed
Induration	(-)	(-)

# Adenoid cystic carcinoma (1)

Factors	Our Case	Adenoid cystic carcinoma
Age	71	Middle-age
Gender	Male	Male
Site	Left tongue border	Palate, Parotid gland & submandibular gland
Duration	2 months	Slow-growing
Color	Red	+/-
Shape	lobulated	Irregular

# Adenoid cystic carcinoma (2)

Surface	Ulcerative	Smooth or ulcerative
Consistency	Soft	Firm
Pain	(-)	(+)
Tenderness	(-)	(+)
Mobility	Fixed	Fixed
Induration	(-)	+/-

# Angiosarcoma (1)

Factors	Our Case	Angiosarcoma
Age	71	Elderly(more than 65 y/o)
Gender	Male	Males
Site	Left tongue border	<b>Mandible</b>
Duration	2 months	Grow rapidly
Color	Red	Blue/violaceous
Shape	Lobulated	plaque/ nodule

# Angiosarcoma (2)

Surface	Ulcerative	superficial ulcerated
Consistency	Soft	<b>Soft</b>
Pain	(-)	<b>(+/-)</b>
Tenderness	(-)	<b>(-)</b>
Mobility	Fixed	<b>Fixed</b>
Induration	(-)	<b>(-)</b>

# Malignant Schwannoma (1)

Factors	Our Case	Malignant schwannoma
Age	71	20-50
Gender	Male	Male(80%)
Site	Left tongue border	1. Tongue 2. Soft palate
Duration	2 months	Slow-growing
Color	Red	+/-
Shape	Lobulated	+/-



# Malignant Schwannoma (2)

Surface	Ulcerative	+/-
Consistency	Soft	Soft
Pain	(-)	(+)
Tenderness	(-)	+/-
Mobility	Fixed	Fixed
Induration	(-)	+/-

# Rhabdomyosarcoma (1)

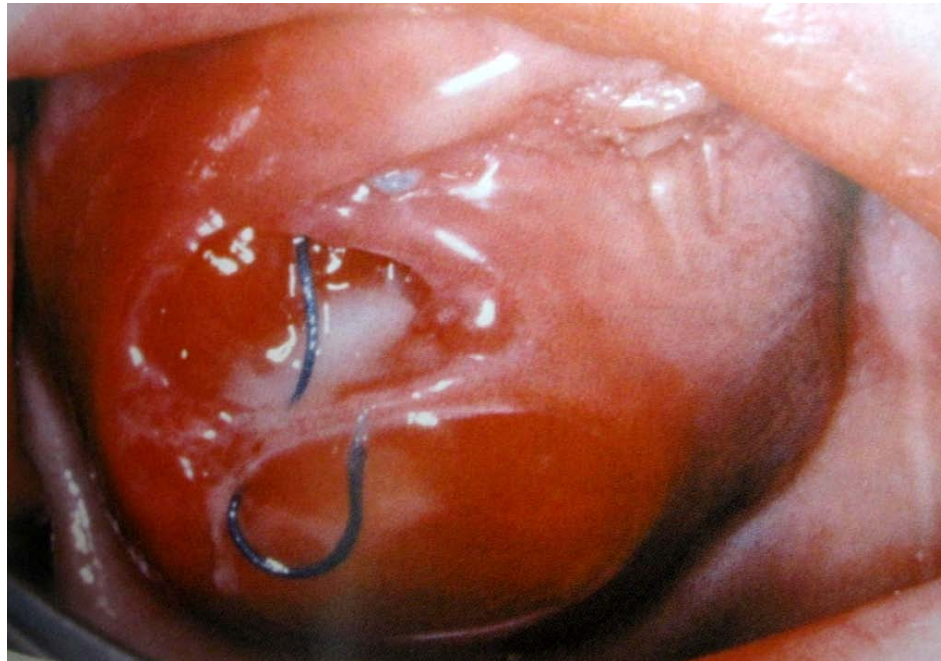
Factors	Our Case	Rhabdomyosarcoma
Age	71	Under 1 y/o Rare in 45 y/o up
Gender	Male	Male(60%)
Site	Left tongue border	<b>Palate</b>
Duration	2 months	Rapid onset Continue to grow until treatment is provided
Color	Red	Reddish-white
Shape	lobulated	Lobulated <b>sometimes botryoid or grape- cluster</b>

# Rhabdomyosarcoma (2)

Surface	Ulcerative	smooth
Consistency	Soft	<b>Soft</b>
Pain	(-)	<b>(-)</b>
Tenderness	(-)	<b>(-)</b>
Mobility	Fixed	<b>Fixed</b>
Induration	(-)	<b>(-)</b>

# Fibrosarcoma

- A malignant tumor of fibroblast
- One of the most common soft tissue sarcomas



# Fibrosarcoma (1)

Factors	Our Case	Fibrosarcoma
Age	71	Any age Most common in young adult and children
Gender	Male	Male : Female = 1:1
Site	Left tongue border	Extremities ; bones of the head and neck (10%)
Duration	2 months	Slow growing
Color	Red	Normal
Shape	lobulated	Irregular

# Fibrosarcoma (2)

	Our case	Fibrosarcoma
Surface	Ulcerative	Smooth
Consistency	Soft	Firm
Pain	(-)	(+)
Tenderness	(-)	+/-
Mobility	Fixed	Fixed
Induration	(-)	(+)

# Liposarcoma



- A malignant neoplasm of adipose tissue origin
- The most common soft tissue sarcoma
- 20% of all soft tissue malignancies in adults

# Liposarcoma (1)

Factors	Our Case	Liposarcoma
Age	71	Age 40 and above(50)
Gender	Male	Slightly more common in males than in females
Site	Left tongue border	Most commonly found : Extremities; in the thigh, retroperitoneum; Less often : The head and neck area
Duration	2 months	Slowly enlarging(2/3)
Color	Red	Normal
Shape	lobulated	Irregular



# Liposarcoma (2)

Surface	Ulcerative	Smooth
Consistency	Soft	+/-
Pain	(-)	(+)
Tenderness	(-)	(+)
Mobility	Fixed	Fixed
Induration	(-)	(+)

# Differential Diagnoses

1. Squamous cell carcinoma →
2. Malignant schwannoma →
3. Mucoepidermoid Carcinoma →
4. Adenoid cystic carcinoma →
5. Angiosarcoma →
6. Rhabdomyosarcoma →
7. Fibrosarcoma →
8. Liposarcoma

# Clinical Impression

- Malignant schwannoma
  - Over left lateral tongue border
- Squamous cell carcinoma
  - Over left lateral tongue border

Thanks for your attention ~

# Reference

- Oral and Maxillofacial Pathology 3<sup>rd</sup> Edition  
Neville/Damm/Allen/Bouquot p409,p487,p495-497,p553-556,p559
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- 中華民國比較病理學會-九十六年度第四十次比較病理學研討會  
{[轉移性病灶]或其他比較病理相關病例}p24 -p27