

口診seminar 第一組

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General data

- **Name:XXX**
- **Sex: female**
- **Age: 17**
- **Occupation: student**
- **Marital status: single**

Chief complaint

- **An exophytic mass over the tip of tongue for about 6 months.**

Present illness

- **This 17 y/o female has noticed the mass over the tip of tongue for about 6 months. The mass shrank in size recently. She didn't feel pain or any uncomfortable feeling before. She came to our OPD for further evaluation and treatment.**

Past medical history

- **Denied any systemic disease**
- **Denied any drug or food allergy**

Past dental history

- **Prosthesis fabrication**
 - **PFM bridge: 11,21,22**

Personal habits

- **Alcohol: (-)**
- **Betel quid: (-)**
- **Cigarette: (-)**
 - **Denied any other oral habit**

Extraoral examination

- **Clinical profile: straight**

Intraoral examination

- A mass over the tip of tongue measured approximately 1.2x1.2 cm
- Surface: smooth(?)—**normal**
- Base: pedunculated(?)—**sessile**
- Shape: dome
- Color: red(?)—**normal**
- Consistency: firm
- Mobility: fixed



Intraoral examination (cont.)

- **Tenderness: (-)**
- **Pain: (-)**
- **Induration: (-)**
- **Fluctuation: (-)**

- **Occlusion: class I**
- **Plaque & calculus deposition**

Differential Diagnosis

Differential Diagnosis

Step 1

- A mass over the tip of tongue measured approximately 1.2x1.2 cm
→ **Inflammation, cyst, or neoplasm?**

*Step 1 → Inflammation, cyst,
or neoplasm?*

Step 1-1 →

rule out inflammation & infection

- Pain: (-)
- Tenderness : (-)
- Duration: 6 months

→ **rule out inflammation**

No purulent drainage was presented

→ **rule out infection**

Inflammation, cyst, or neoplasm?(cont.)

Step 1-2 →

- Consistency : firm
- Mobility : fixed
- Fluctuation : (-)

→ **rule out cyst**

→ **Neoplasm**

Step II → Benign or malignant

Features suggestive of benignancy	Features suggestive of malignancy
<ul style="list-style-type: none">a. Movableb. Unattached to skin or mucosac. No ulceration of skin or mucosad. Slow growthe. Long durationf. No paing. No facial nerve palsy	<ul style="list-style-type: none">a. Indurationb. Fixed to overlying skin or mucosac. Ulceration of skin or mucosad. Rapid growth; growth spurte. Short durationf. Pain, often severeg. Facial nerve palsy

Benign or malignant?(cont.)

Features suggestive of benignancy	Our case
a. Movable	a. Mobility: fixed
b. Unattached to skin or mucosa	b. Consistency: firm
c. <u>No ulceration of skin or mucosa</u>	c. <u>Ulceration(-)</u>
d. <u>Slow growth</u>	d. <u>Slowly growth</u>
e. <u>Long duration</u>	e. <u>6 months(long)</u>
f. <u>No pain</u>	f. <u>Pain(-) Tenderness(-)</u>

→ *Benign*

*Step III → Peripheral or
central origin?*

The mass is over tongue tip
(soft tissue origin)

→ **Peripheral**

Step IV → Epithelial or Connective Tissue origin?

- **Surface : Normal**
- **Mobility : fixed**

→ **Connective Tissue origin**

Differential diagnosis

Inflammation — Cyst — Neoplasm

Benign — Malignant

Peripheral — Central

Epi. origin — C.T. origin

**Peripheral C.T. Benign
Neoplasm**

Working diagnosis

→ Peripheral **C.T.** benign neoplasm

1. Neurilemoma
2. Irritation fibroma
3. Granular cell tumor
4. Giant cell fibroma
5. Traumatic neuroma
6. Fibromatosis

Neurilemoma (Schwannoma)

	Neurilemoma	Our case
Site	25%~48% occur in the <u>head and neck region</u> ; <u>Tongue</u> is the most common site in the mouth.	Tongue (dorsal)
Gender	No gender predilection	Female
Age	<u>young and middle-aged</u> adults, mostly 25~55 y/o but can occur at <u>any age</u>	17 y/o
Frequency	Uncommon	unspecific
Size	Range from <u>millimeters to several centimeters</u> , but <u>rarely becomes larger than 2 cm in diameter</u>	Small (1.2x1.2 cm)
Color	Normal	Normal
Shape	<u>Mostly sessile</u> , but occasional will be <u>pedunculated</u> and larger ones may be <u>lobulated</u> .	Dome

Neurilemoma (Schwannoma)

	Neurilemoma	Our case
Surface	Normal	Normal
Consistency	---	Firm
Pain	Usually <u>asymptomatic</u> , but <u>tenderness and pain may occur in some cases</u>	(-)
Ulcer	(-)	(-)
Induration	---	(-)
Tenderness	(- or +)	(-)
Mobility	Somewhat movable	Fixed
Duration	Slowly growing	Slowly growing (6 months)

Neurilemoma (Schwannoma)

Neurilemoma



Our case



Irritation Fibroma

	Irritation fibroma	Our case
Site	Buccal mucosa. Labial mucosa, tongue , gingiva also are common sites.	Dorsum of the tongue
Gender	Male-to-female ratio is almost 1: 2	Female
Age	Most common in the fourth to sixth decades of life	17 y/o
Frequency	Most common in the oral cavity	unspecific
Size	Most are 1.5 cm or less in diameter	1.2 x 1.2 cm
Color	Normal	Normal
Shape	Nodule	Dome shape

Irritation Fibroma

	Irritation fibroma	Our case
Surface	Smooth	Normal
Consistency	Firm	Firm
Pain	(-)	(-)
Ulcer	(-)	(-)
Induration	(-)	(-)
Tenderness	(-)	(-)
Mobility	Fixed	Fixed
Duration	Slowly growing	Slowly growing

Irritation fibroma

Irritation fibroma



our case



Granular Cell Tumor

	Granular cell tumor	Our case
Site	Oral cavity 多(尤其是tongue tip和buccal mucosa),在skin也會有	dorsal tongue (tongue tip)
Gender	Female	female
Age	40~60(rare in children)	17
Frequency	uncommon	unspecific
Size	<=2cm	1.2*1.2cm
Color	pink (typical)or yellow(occasional)	Normal
Shape	sessile nodule	Dome
Surface	Irregular	normal

Granular Cell Tumor

	Granular cell tumor	Our case
Consistency	Firm	Firm
Pain	(-)	(-)
Ulcer	(-)	(-)
Induration	(-)	(-)
Tenderness	(-)	(-)
Mobility	-----	fixed
Duration	-----	A half year

Granular Cell Tumor

Granular cell tumor



Our case



Giant Cell Fibroma

	Giant cell fibroma	Our case
Site	mandible gingiva 、 tongue 、 palate	Dorsum of the tongue
Gender	slight female predilection	Female
Age	younger age ， 60% during 3th decades	17 y/o
Frequency	2~5%(oral fibrous proliferation)	unspecific
Size	usually less than 1 cm	1.2 x 1.2 cm
Color	normal	normal
Shape	nodule	Dome shape
Surface ★	papillary	normal
Consistency	firm	firm

Giant Cell Fibroma

	Giant cell fibroma	Our case
Pain	(-) asymptomatic	(-)
Ulcer	(-)	(-)
Induration	(-)	(-)
Tenderness	(-)	(-)
Mobility	fixed	fixed
Duration	-----	slowly growing
Base	sessile / pedunculated	sessile

Giant cell fibroma

Giant cell fibroma





Our case



Traumatic Neuroma

	Traumatic neuroma	Our case
Site	mental foramen area 、 tongue 、 lower lip	Tongue (dorsal)
Gender	Female	Female
Age	Any age, most in middle-aged adult	17 y/o
Frequency	History of trauma	unspecific
Size	Small (rarely exceeds 1 cm)	Small (1.2x1.2 cm)
Color	Normal	Normal
Shape	Nodular	Dome

Traumatic Neuroma

	Traumatic neuroma	Our case
Surface	Smooth	Normal
Consistency	Firm	Firm
Pain 	(+) pain on palpation <此病的主要特徵!!>	(-)
Ulcer	(-)	(-)
Induration	--	(-)
Tenderness 	(+)	(-)
Mobility	Movable	Fixed
Duration	Slowly growing(arise 1-12 months after injury)	Slowly growing (6 months)

Traumatic neuroma


Traumatic neuroma



Our case



Fibromatosis

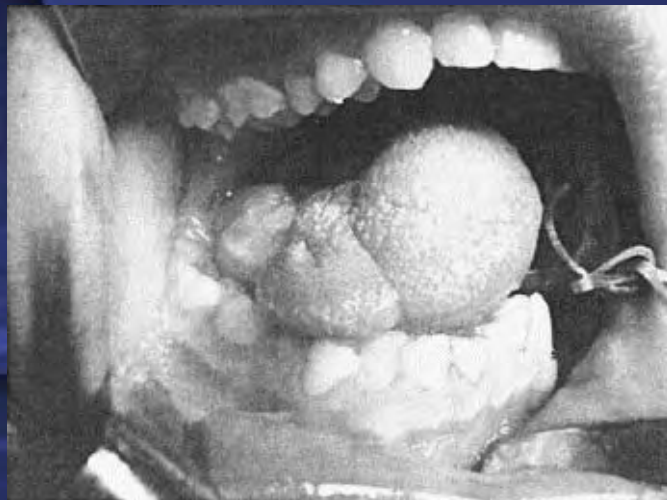
	Fibromatosis	Our case
Site 	(1) Anywhere, paramandibular soft tissue region (2) 5% of all : head and neck (3) > 54% mandible ; 7% in tongue	Tongue (dorsal)
Gender	No gender predilection	Female
Age	(1) Children & young adults (2) 25% < 15 years old	17 y/o
Frequency	---	Unspecific
Size	3-4 cm / considerable	Small (1.2x1.2 cm)
Color	Normal, Grayish-white	Normal
Shape	Mass (broad-base, lobulated)	Dome

Fibromatosis

	Fibromatosis	Our case
Surface	---	Normal
Consistency	Firm	Firm
Pain	(-)	(-)
Ulcer	(-,+rare)	(-)
Induration	---	(-)
Tenderness	---	(-)
Mobility	Fixed	Fixed
Duration ★	Rapid or insidious growth	Slowly growing (6 months)

Fibromatosis

Fibromatosis



Our case



Clinical impression

→ **Neurilemoma (Schwannoma)**

*THANKS FOR YOUR
ATTENTION!!*