



Case Report

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Intern H 組 侯奕睿、陳凱熙、
張竣傑、翁蔚任



General Data

- Name : 謝明憲
- Gender : male
- Age : 41
- Native : Taiwan
- Occupation : 商
- Attending V.S. : 謝天渝醫師
- First visit : 97/05/08



Chief Complaint

- Ulcer at R`t border of tongue for 6 months, extending from posterior to anterior area.



Present Illness

- This 41 y/o male suffered from the above episode for 6 months. He found that the ulcer was painful and extending from posterior to anterior area. The ulcer over the posterior area was healed, but it extended to the anterior area for 1⁺ months. So he came to our OPD for further evaluation.



Past History

- Past Medical History
 - Unknown
- Past Dental History
 - MPDS
 - Acute periodontitis



Personal History

- Alcohol : (+)
 - Unknown detail
- Betel nut : (+)
 - Unknown grains / day for 15 years
 - Quit for 6 months
- Cigarette : (+)
 - Unknown detail



Intraoral Examination

- An irregular-shaped with rough surface ulcer was found over right border of the tongue, measuring about 2.2 x 1.5cm.



Physical Examination

- Pain (+)
- Induration (+) : mild
- Cough (+)
- Swallowing pain (?)
- Tenderness (?)
- Fever or local heat (?)
- Lymphadenopathy (?)
- Over right border of the tongue



Differential diagnosis



Neoplasm or Inflammation?

- Fever or Local heat : unknown
- Lymphadenopathy : unknown
- Induration : mild (+)
- Duration : 6 months

 **Neoplasm**

(but not rule out Inflammation)

Neoplasm Benign or malignant?

- Ulceration: (+)
- Induration : mild(+)
- Duration : 6 months⁺
- Pain : (+)
- Lymphadenopathy : unknown
- Margin : poor-defined

 **Malignant**

Infection or Not ?

- Cough : (+)
- Lymphadenopathy : unknown
- Abnormal temperature : unknown
- Specimen : blood — unknown
urine — unknown
sputum — (++++)

 **Infection**

Working diagnosis:Neoplasm

1. Squamous cell carcinoma
2. Metastatic carcinoma
3. Spindle cell carcinoma



Working diagnosis: Infection

1. Tuberculosis



Working diagnosis: Inflammation

1. Major aphthous ulcer
2. Necrotising sialometaplasia



Working diagnosis

1. Squamous cell carcinoma
2. Spindle cell carcinoma
3. Metastatic carcinoma
4. Tuberculosis
5. Major aphthous ulcer
6. Necrotising sialometaplasia



Squamous cell carcinoma

	Our case	SCC
Gender	Male	Male
Age	41 y/o	Middle-aged
Frequency		94%(in oral and jaw malignant)
Symptom	Painful ulcer	Painful/painless ulcer
Site	Right border of the tongue (臨床照) Dorsum of the tongue (chart)	Tongue (posterior lateral and ventral surface)
Color	Red and white	Red and white
Shape	Irregular (Stellate)	Irregular
Size	2.2 x 1.5 cm	?
Induration	Mild	+
Surface	Rough	Rough
Duration	6 months	Few months
Tenderness	?	+
LAP	?	+(meta)/-

Squamous cell carcinoma

OUR CASE

SCC



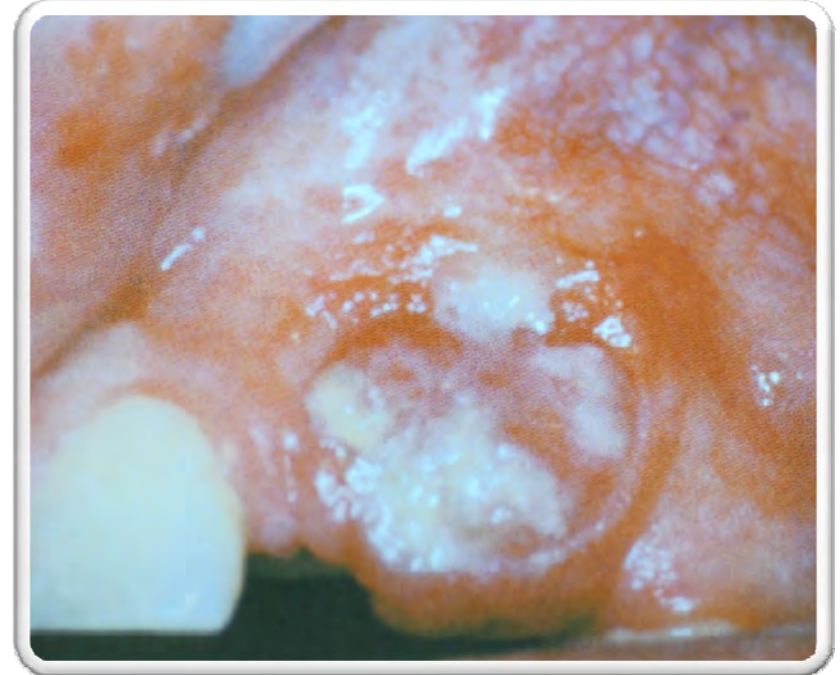
Spindle cell carcinoma

	Our case	Spindle cell carcinoma
Gender	Male	No sex predilection
Age	41 y/o	Average 57 y/o
Frequency		?
Symptom	Painful ulcer	Pain and paresthesia
Site	Right border of the tongue (臨床照) Dorsum of the tongue (chart)	Lower lip, lateral posterior tongue, alveolar ridge
Color	Red and white	Red and white
Shape	Irregular (Stellate)	Irregular
Size	2.2 x 1.5 cm	?
Induration	Mild	?
Surface	Rough	Rough
Duration	6 months	Grows rapidly
Tenderness	?	+
LAP	?	?

Spindle cell carcinoma

OUR CASE

Spindle cell carcinoma



Metastatic carcinoma

	Our case	Metastatic carcinoma
Gender	Male	Male
Age	41 y/o	Middle aged and older adults
Frequency		?
Symptom	Painful ulcer	May be painful
Site	Right border of the tongue (臨床照) Dorsum of the tongue (chart)	Gingiva(50%), tongue(25%)
Color	Red and white	Red and white
Shape	Irregular (Stellate)	Irregular
Size	2.2 x 1.5 cm	?
Induration	Mild	?
Surface	Rough	Rough
Duration	6 months	?
Tenderness	?	+
LAP	?	?

Metastatic carcinoma

OUR CASE

Metastatic carcinoma



Tuberculosis

	Our case	Tuberculosis
Gender	Male	?
Age	41 y/o	Middle-aged 、 older
Frequency		0.5 – 1.5 %
Symptom	Painful ulcer	Chronic painful/painless ulcer
Site	Right border of the tongue (臨床照) Dorsum of the tongue (chart)	Tongue (esp. dorsal side) 、 Palate 、 lip
Color	Red and white	Red and white
Shape	Irregular (Stellate)	Irregular (Stellate)
Size	2.2 x 1.5 cm	?
Induration	Mild	+
Surface	Rough	Rough
Duration	6 months	?
Tenderness	?	+
LAP	?	+

Tuberculosis

OUR CASE

TB



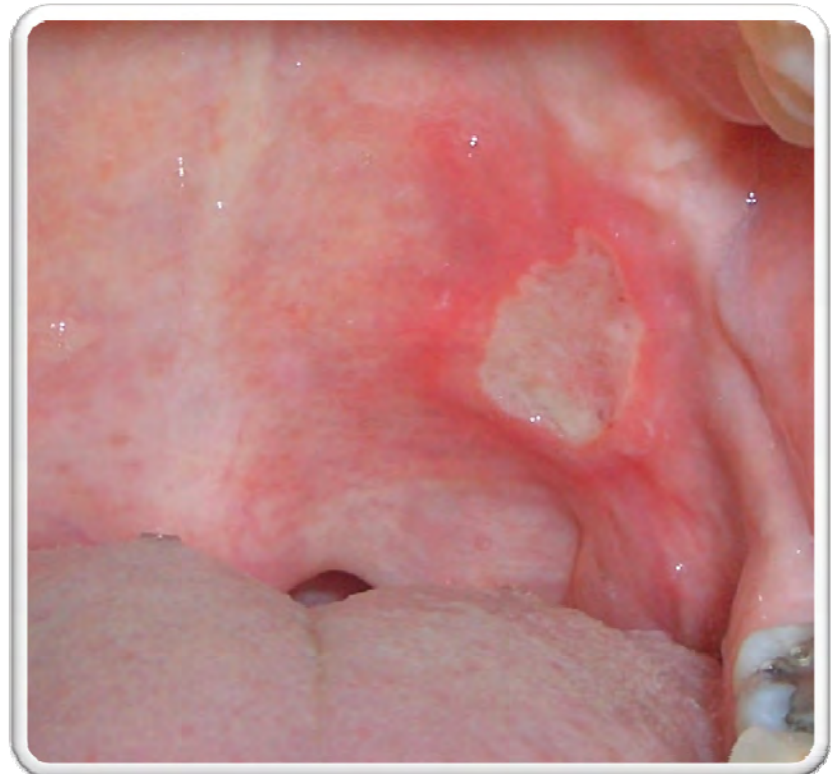
Major aphthous ulcer

	Our case	MAU
Gender	Male	Female
Age	41 y/o	Typically after puberty
Frequency		1%
Symptom	Painful ulcer	Very painful
Site	Right border of the tongue (臨床照) Dorsum of the tongue (chart)	Movable mucosa, lips, BM, tongue, soft palate
Color	Red and white	White or yellow
Shape	Irregular (Stellate)	Irregular
Size	2.2 x 1.5 cm	1.0 cm~2.0 cm
Induration	Mild	?
Surface	Rough	Smooth
Duration	May persist for months	May persist for months
Tenderness	?	+
LAP	?	May has painful LN swelling

Major aphthous ulcer

OUR CASE

MAU



Necrotizing sialometaplasia

	Our case	Necrotizing sialometaplasia
Gender	Male	Male
Age	41 y/o	Average 46 y/o
Frequency		Uncommon
Symptom	Painful ulcer	Pain or parathesia
Site	Right border of the tongue (臨床照) Dorsum of the tongue (chart)	Posterior palatal
Color	Red and white	Red and white
Shape	Irregular (Stellate)	Irregular
Size	2.2 x 1.5 cm	<1 ~ >5
Induration	Mild	-
Surface	Rough	Smooth to rough
Duration	6 months	2 ~ 3 wks
Tenderness	?	-
LAP	?	-

Necrotizing sialometaplasia

OUR CASE

Necrotizing sialometaplasia



Clinical impression





Clinical impression

- 1. Squamous cell carcinoma**
- 2. Tuberculosis**

Other tests and examination



Biopsy 97/05/08

- Incisional biopsy was performed over right border of tongue at OS Dep.
- Check HP report on 97/05/16.



Biopsy 97/05/08

- ✓ Main findings in HP report:
 - Several tubercles scattering in the underlying fibrous connective tissue.
 - Horse-shoe shaped multinucleated giant cells and caseous necrosis are present.
 - Surrounded by epithelioid histiocytes.
 - The acid-fast stain reveals positive reaction of micro-organism.



Biopsy 97/05/08

 **Tuberculosis over tongue, oral cavity**

Chest X-ray examination 97/05/16



- ✓ Specific findings
- Consolidation and suspect small nodules are noted in both upper lung fields.
- Linear densities in both lung

Chest X-ray examination 97/05/16



- ✓ Impression
- 1. Consolidation and suspect small nodules are noted in both upper lung fields. Suspect **bronchopneumonia**.
- 2. Mild fibrosis in both lungs. Upper lobes predominated.

Acid-fast bacilli 97/05/19

- Specimen : Sputum

 **Positive reaction(++++)**



Final Diagnosis

**Tuberculosis,
lateral tongue border**

References

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Thanks for your attention

