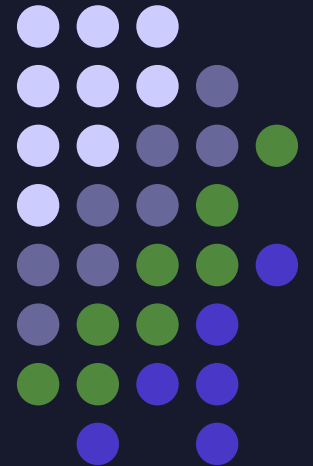


Case Report

指導老師：林立民 教授
陳玉昆 主任
王文岑 醫師
陳靜怡 醫師

報告者：Intern F 組
劉旻育 伍芝瑩 田序靜 林俊男 廖秉輝





General Data

- Name : 王○○
- Gender : male
- Age : 68
- Native : 台灣
- Occupation : 司機

Chief Complaint

- Swelling over left cheek

Present Illness



- This 68 y/o male patient suffered from above episode for 1 week. He felt pain and swelling over left buccal mucosa. So, he came to our OPD for further treatment.

According to her daughter, two weeks ago, he went to 大同 hospital due to osteophyte and fever. He also had dry cough during this period.



Past History



- Past Medical History
 - NP
- Past Dental History
 - Extraction
 - Prosthesis

Personal History

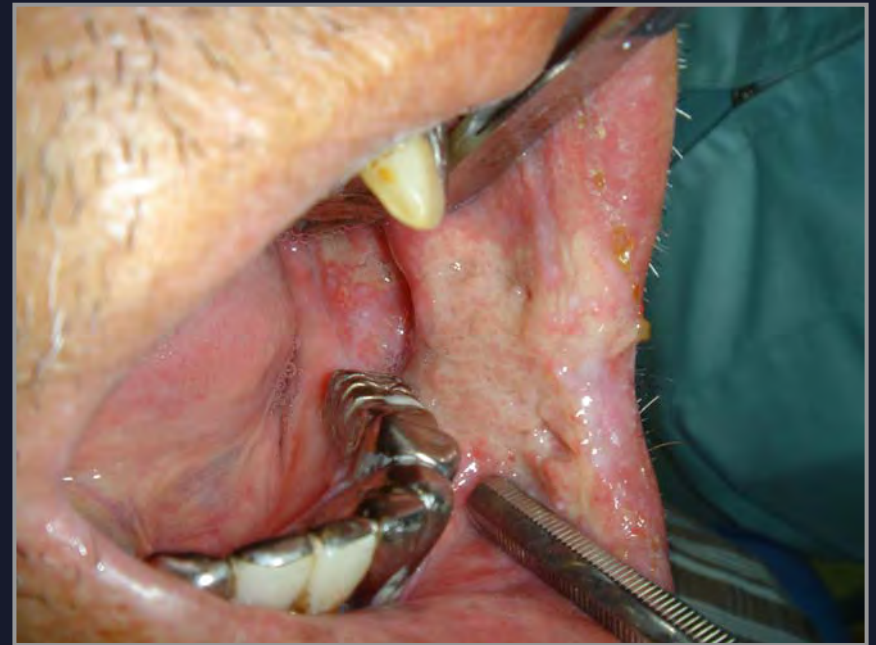


- Oral habits
 - Alcohol : (+)
1~2 bottle / day for 50 years
 - Betel quid : (+)
15 grains / day for 50 years
 - Cigarette : (+)
1 pack / day for 50 years
 - Other habits : (-)

Intraoral Examination



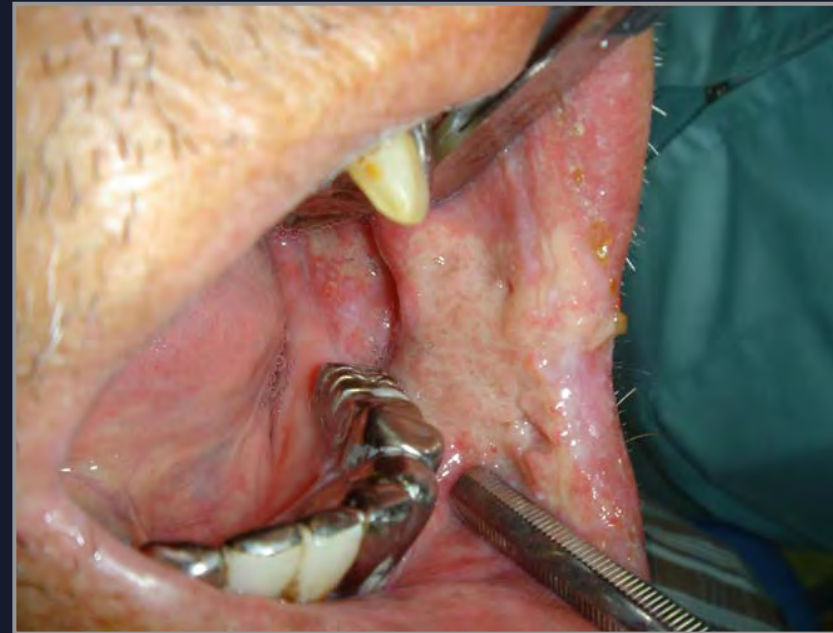
- A firm, rough surface swelling mass measuring about 4x 3.5 cm, was found over left cheek mucosa, extending from left mouth angle to molar region.



Physical Examination



- Pain (+)
- Swallowing pain (+)
- Tenderness (+)
- Induration (+)
- Fever or local heat (-)
- Lymphadenopathy (+) :



Over left submandibular and neck region

Radiographic Examination



- No bony involvement from the lesion is noticed.
- Condyle : NP
- Sinus : NP
- Dental findings :
 - Missing teeth : 11,15,17,18,21,24,25,31,32,36,37,38,41,46
 - Residual root : 14
 - Prosthesis : 23XX26, 42XXX333435X, 4445X
 - PDL widening : 12,13,23,34,43,44,45
 - Periodontal condition : moderate



Inflammation or Neoplasm

- Fever or local heat (-) / (+)
- Lymphadenopathy (+)
- Induration (+)
- Short duration (2 weeks)

Inflammation or Neoplasm



Benign or Malignant

- Pain (+)
- Tenderness (+)
- Induration (+)
- Lymphadenopathy (+)
- Poorly-defined margin

Malignant

Working Diagnosis

- Neoplasm



1. Squamous cell carcinoma
2. Metastatic malignancy

Working Diagnosis

- Inflammation



1. Major aphthous ulcer (immunocompromised)
2. Tuberculosis
3. Necrotizing ulcerative mucositis
4. Necrotizing sialometaplasia

Working Diagnosis



- Squamous cell carcinoma
- Major aphthous ulcer (immunocompromised)
- Tuberculosis
- Necrotizing ulcerative mucositis
- Necrotizing sialometaplasia
- Metastatic malignancy

Squamous Cell Carcinoma (Early Lesion)



	Our case	SCC
Site	Left cheek	Tongue
Gender	Male	Male
Age	68	Older (>40)
Frequency		94% of all oral malignancies
Symptom	Pain	Painless → pain
Surface	Rough	Rough
Consistency	Firm	Firm
Mobility	Fixed	Fixed



Squamous Cell Carcinoma (Early Lesion)



	Our case	SCC
Shape	Irregular	Irregular
Color	Red and white	Red and white
Tenderness	+	+
LAP	+	+
Induration	+	+
Rolled border	-	+/-
Ulcer	+	+



Major Aphthous Ulcer (Immunocompromised)



	Our case	MAU
Gender	Male	
Age	68	Puberty +
Frequency		common
Symptom	Pain, swelling	Pain, no swelling
Size	4 X 3.5 cm	0.5 – 3.0cm (or larger)
Site	Left cheek	Movable mucosa
Surface	Rough	Usually smooth



Major Aphthous Ulcer (Immunocompromised)



	Our case	MAU
Color	Red and white	Red and white (necrotic)
Shape	Irregular	regular
Consistency	Firm	soft
Mobility	Fixed	movable
Tenderness	+	+
LAP	+	-/+ (HIV)
Induration	+	-



Tuberculosis



	Our case	Tuberculosis
Gender	Male	
Age	68	>40 y/o
Frequency		0.5 - 1.5%
Symptom	Pain, swelling	Pain/Painless ulcer
Site	Left cheek	Tongue, palate, lip
Color	Red and white	Red and white
Shape	Irregular	Irregular
Tenderness	+	+
LAP	+	+
Induration	+	-
Surface	Rough	Rough



Necrotizing Ulcerative Mucositis



	Our case	NUM
Gender	Male	
Frequency		Uncommon
Symptom	Pain, swelling	Pain
Mobility	Fixed	Fixed
LAP	+	+
Age	68	Young
Site	Left cheek	Initial lesion: NUG Late lesion: NUM
Color	Red and white	NUG: Red NUM: Red and white
Consistency	Firm	soft
Tenderness	+	-
Induration	+	-



Necrotizing Sialometaplasia



	Our case	Necrotizing Sialometaplasia
Gender	Male	Male
Age	68	46
Frequency of occurrence		Uncommon (potential predisposing factor)
Symptom	Pain, swelling	Pain or paresthesia
Size	4 X 3.5 cm	<1cm to >5cm
Mobility	Fixed	Fixed
Site	Left cheek	75% in posterior palate
Surface	Rough	Early lesion : swelling Late lesion : craterlike ulcer
Consistency	Firm	Soft
Tenderness	+	-
LAP	+	-
Induration	+	-



Metastatic Malignancies



	Our case	Metastatic malignancies
Gender	Male	Male
Age	68	Middle ~ older adults
Frequency		1%
Site	Left cheek	Gingiva(>50%)
Surface	Rough, ulceration	Ulceration
Shape	Irregular	Nodular mass

Clinical Impression



Squamous Cell Carcinoma

Tuberculosis

Biopsy



- 9/11 check biopsy outcome in OS dept.
- Incisional biopsy was performed over left buccal mucosa.



- 9/11 Refer to 胸腔内科 for chest x-ray and further treatment.

Chest PA View Findings



- Image findings :
 - The heart size is not enlarged.
 - The aorta is dilated.
 - Both lungs reveal multiple nodules and interstitial pattern.
 - The hila and mediastinum are unremarkable.
 - The thoracic cage is intact.
 - There are spurs of the T-,L-spine.
 - Scoliosis of the T-spine is noted.





- Impression :

- Atherosclerosis of the dilated thoracic aorta.
- Interstitial lung disease of both lungs. Metastatic or infectious/ inflammatory diseases should be included in differential diagnosis. CT of chest is suggested.
- Spondylosis of the T-,L-spine and mild thoracic scoliosis.



Hematological Examination



項目	結果值	參考標準值	單位	檢體	收集時間
WBC	7.06	4.0-10.0	*1000/ul	Blood	95/9/11-17:02
RBC	4.69	4.5-6.0	*10 ⁶ /ul	Blood	95/9/11-17:02
Hgb	11.8	13-17	g/dl	Blood	95/9/11-17:02
Hct	39.1	40-53	%	Blood	95/9/11-17:02
MCV	83.4	79.0-101.0	fl	Blood	95/9/11-17:02
MCH	25.2	26.0-35.0	Pg	Blood	95/9/11-17:02
MCHC	30.2	31.0-37.0	g/dl	Blood	95/9/11-17:02
PLT	261	130.0-500.0	*1000/ul	Blood	95/9/11-17:02
RDW-CV	15.8	11.5-14.5	%	Blood	95/9/11-17:02
RDW-SD	48.0	36.0-46.0	fl	Blood	95/9/11-17:02

Histopathological Examination



- Acid-fast bacilli : Sputum (95/9/15 - 12:56)

Positive +++++

Final Diagnosis



Tuberculosis

THANK YOU

FOR YOUR ATTENTION

