

A photograph of the Aurora Borealis (Northern Lights) in a snowy landscape. The aurora is a vibrant green and blue, appearing as a large, flowing curtain in the dark night sky. The ground is covered in snow, and there are several small evergreen trees in the foreground. In the distance, a building with warm lights is visible. The overall scene is serene and beautiful.

# Case report



# Intern F

林修篁 林子傑 林詩詠 游傑丞

# General data

- Name : 葉XX
- Sex : 男
- Age : 19 y/o
- Native : 高雄市
- Marital status : 未婚
- Attending V.S. : 沈也雄  
醫師
- First visit : 97/06/30



# Chief Complaint

- A swelling mass over R't cheek for 6 months.



# Present Illness

- Patient has suffered from the painless swelling mass over R't cheek for 6 months. But he feels pain when palpating. He went to 耳鼻喉科(高醫、彰基), but the doctor can't make the impression surely, so he comes to our OPD for further evaluation and treatment.

# Past history

- Past Medical History
  - Denied any systemic disease
  - Denied any drug or food allergy
- Past Dental History



# Personal history

- Risk factors related to malignancy
  - Alcohol : (-)
  - Betel quid : (-)
  - Cigarette : (-)

# OMF Examination

- Size: 8 × 7 cm
- Surface: Smooth
- Base: Sessile
- Shape: Dome
- Color: Yellow
- Consistency: Soft
- Pain: (+) mild
- Tenderness: (-)
- Induration: (-)
- Lymphadenopathy: (-)





# Image finding – Panorex

- Impaction: 18, 38, 48



# Differential Diagnosis

*Aurora*  
REALTY

# Inflammation or neoplasm ?

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



Neoplasm tendency

# Benign or malignant neoplasm ?

- Mobility: unknown
- Ulceration: (-)
- Induration: (-)
- Duration: 6 months
- Pain: (+), mild
- Facial n. palsy: (-)



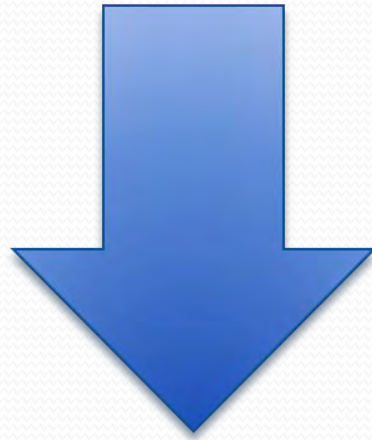
Benign tendency

# Infection or not ?

- Fever or local heat: unknown
- Pain: mild, tenderness: (-)
- Lymphadenopathy: (-)
- Caries: free
- Periodontal condition: good
- Duration: 6 months



Rule out infection



Neoplasm



Fat tissue

Muscle 

Salivary gland

Epi. 

Origin

Neural tissue

Fibers tissue

Blood vessel 

# Working Diagnosis: **benign neoplasm**

- Lipoma
- Pleomorphic adenoma
- Fibromatosis
- Neurilemoma



Working Diagnosis: **Malignant neoplasm**

- Mucoepidermoid carcinoma

# Working Diagnosis

- Lipoma
- Pleomorphic adenoma
- Fibromatosis
- Neurilemoma
- Mucoepidermoid carcinoma

# Lipoma

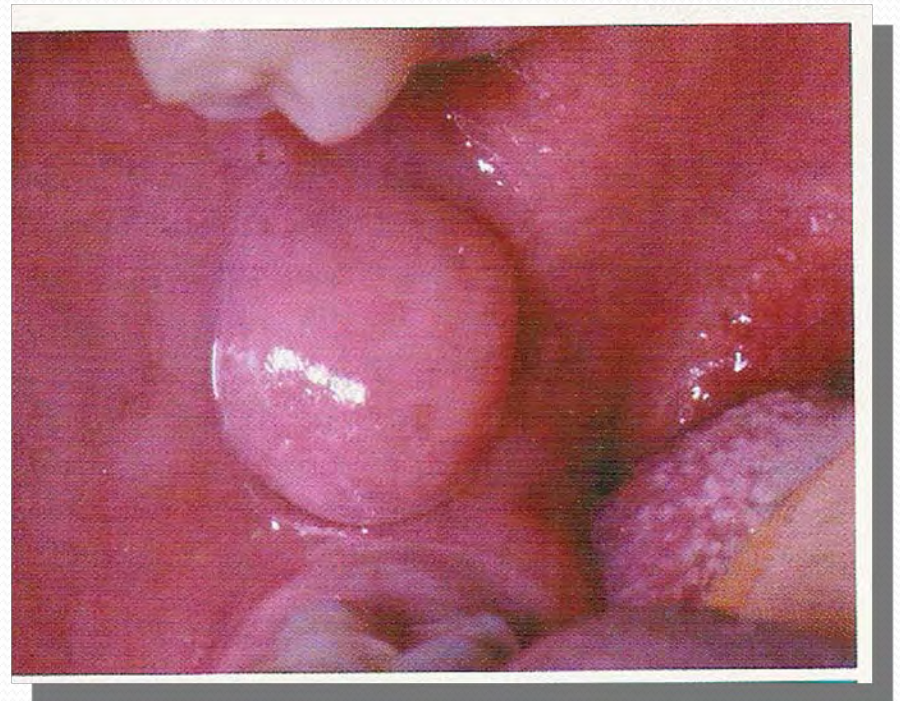
	Our case	Lipoma	
Gender	Male	Balanced	★
Age	19	Any ages, but >40y/o most	★
Frequency		Most common mesenchymal neoplasm	
Symptom	Mild pain swelling	Asymptomatic swelling	
Site	Buccal cheek	Buccal mucosa; buccal vestibule	★
Color	Yellow	Yellow	★
Consistency	Soft	Soft	★
Shape	Dome	Nodular	
Size	8x7 cm	Most less than 3cm	⊘
Induration	(-)	(-)	★
Surface	Smooth	Smooth	★
Duration	6 months	Several months or years	★

# Lipoma

Our case









Lipoma





# Pleomorphic adenoma

	Our case	Pleomorphic adenoma	
Gender	Male	Slight female predilection	
Age	19	30~50	
Frequency		Most common salivary neoplasm	
Symptom	Mild pain swelling	painless, firm mass	
Site	Buccal cheek	Palate, upper lip, buccal mucosa	
Color	Yellow		
Consistency	Soft	Firm	
Shape	Dome	Dome	
Size	8x7 cm		
Induration	(-)	(-)	
Surface	Smooth	Smooth	
Duration	6 months	slowly growing	

# Pleomorphic adenoma

Our case

PA



# Fibromatosis 特徵要改！

	Our case	Fibromatosis	
Gender	Male		
Age	19	Children or young adult	★
Frequency		Uncommon in the oral region	
Symptom	Mild pain swelling	Painless mass, maybe cause bony distruction	
Site	Buccal cheek	Paramandibular soft tissue region	★
Color	Yellow		
Consistency	Soft	Firm	⊘
Shape	Dome		
Size	8x7 cm	Can grow to considerable size	★
Induration	(-)		★
Surface	Smooth		★
Duration	6 months	Rapid or insidious growth	⊘





# Fibromatosis

Our case

Fibromatosis



# Neurilemoma

	Our case	Neurilemoma
Gender	Male	
Age	19	
Frequency		
Symptom	Mild pain swelling	
Site	Buccal cheek	
Color	Yellow	
Consistency	Soft	
Shape	Dome	
Size	8x7 cm	
Induration	(-)	
Surface	Smooth	
Duration	6 months	

# Neurilemoma

Our case

Neurilemoma





# Mucoepidermoid Carcinoma

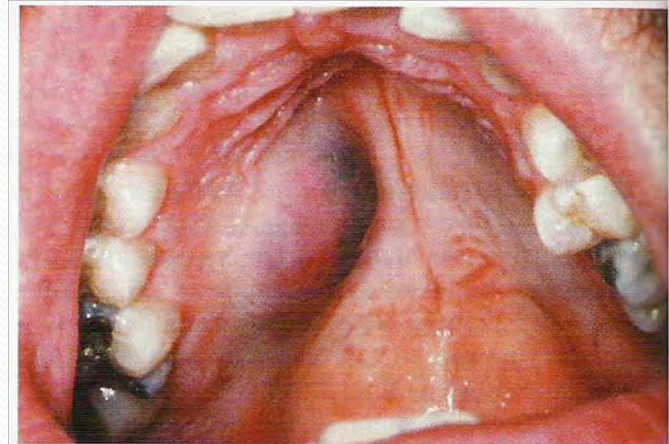
	Our case	Mucoepidermoid carcinoma	
Gender	Male	Slight female predilection	
Age	19	20~70	★
Frequency		Most common salivary malignancies	
Symptom	Mild pain swelling	Asymptomatic swelling	
Site	Buccal cheek	Parotid gland, minor salivary gland	
Color	Yellow	red or blue(minor salivary gland )	⊘
Consistency	Soft		
Shape	Dome	Dome	★
Size	8x7 cm		
Induration	(-)	(-)	★
Surface	Smooth	Smooth	★
Duration	6 months	Most p't aware of the lesion for a year or less	★

# Mucoepidermoid carcinoma

Our case



MC



# Clinical impression



# Clinical impression

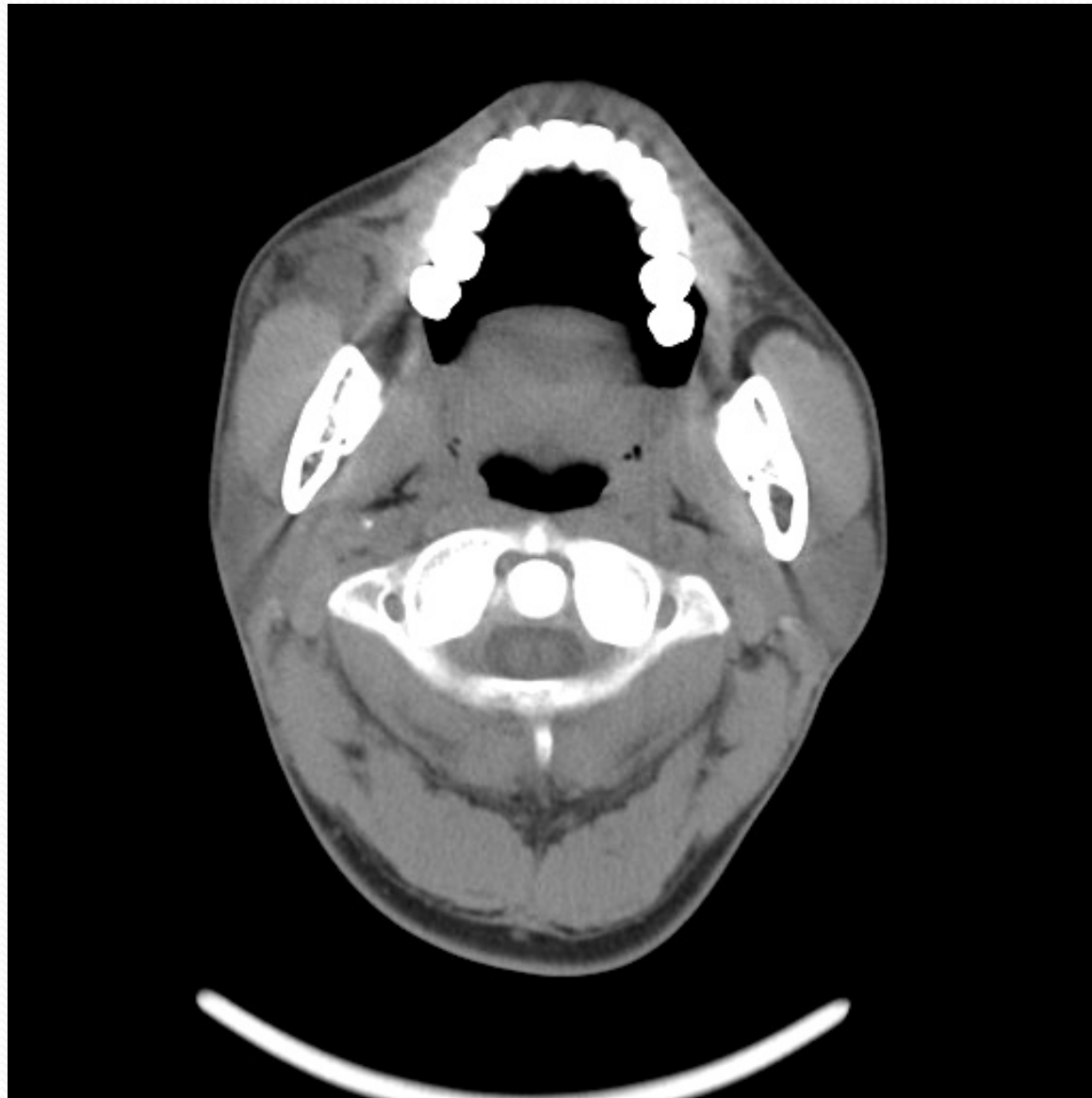
- Lipoma over R't cheek



A photograph of a forest at night, illuminated by a bright aurora borealis in the sky. The trees are dark green, and the sky is a mix of dark blue and bright yellow-green. The text "Other examinations" is overlaid in the center in a light blue font.

**Other examinations**

# Image finding – CT





# Image finding – CT



# Image finding – CT



# Biopsy 08/07/04

- Excisional biopsy was performed over R't buccal cheek at OS dept.
- Check HP report on 97/07/29

# Biopsy 08/07/04

Main finding: Grossly

- Yellowish in color and soft in consistency
- Muroid fluid is noted
- 3 representative sections are taken :
  - A 1-2: fragments of fat-like tissue
  - B: white solid mass

Main finding: In micro

- It contains many lipoblast-like cells
- mature fat tissue are noted

Biopsy 08/07/04



Aggressive lipoblastoma



Final Diagnosis

Aggressive lipoblastoma



# References

- Oral & Maxillofacial pathology - second edition
- Differential Diagnosis of Oral and Maxillofacial lesions – fifth edition

**Thanks for your attention**

