口腔病理科 CASE REPORT

報告者：
- Intern J
- 林燕莉 莊銘賢
- 吳庭祐 黃宇婷

指導醫師：
- 林立民醫師 陳玉昆醫師
- 王文岑醫師 陳靜怡醫師

報告日期：
- 98/04/21
General Data

- Name: 鄭XX
- Sex: 男
- Age: 50
- Native: 高雄縣
- Occupation: 廚師
- Marital Status: 已婚
- Attending VS: 黃逸岳 醫師 (OS dept.)
- First Visit: 98/03/31
Chief Complaint

- 2 masses at hard palate for 2~3 months.
Present Illness

- This 50 y/o male found two masses at the middle of hard palate for 2~3 months.
- He went to 康橋LDC for help because he found difficulty to wear his upper RPD. The dentist asked him to stop wearing it for one week, if the mass did not subside, suggested him to come to our OPD for further evaluation.
Past Medical History

- Hypertension
- Hepatitis B
- 良性血管瘤 (長庚H.檢查)
- Denied any drug and food allergy

Past Dental History

- OD Tx.
- Extraction
- Prosthesis fabrication
Risk factors related to maglinancy

- Alcohol: (+), socially.
- Betel quid: (+), 1~2 years, quit 30 years.
- Cigarette: (+), 5~6 years, quit 20 years.

Other oral habits: Denied
Intraoral Examination (1)

- Anterior (mid. hard palate)
  - Smooth surface
  - Reddish
  - Pain(−)
  - Tenderness(−)
  - Consistency: soft to firm
  - Size: 2.0 x 2.5cm
  - Mobility: fixed
Intraoral Examination (2)

- Posterior (mid. hard palate)
  - Smooth surface (multiple nodular)
  - Pinkish
  - Pain(-)
  - Tenderness(-)
  - Consistency: hard
  - Size: 2.0 x 2.0cm
  - Mobility: fixed
Intraoral Examination (3)

- Dental findings
  - Missing: tooth 15, 16, 17, 18, 24, 25, 26, 27, 28, 35, 37, 38
  - PFM crown: tooth 14, 31, 32, 33
Radiographic Findings

- There is an ill-defined radiolucence with varying degree of radio-opaque material over the hard palate extending from the apex of tooth 11 to the middle part of the hard palate, measuring about 2 x 4 cm in size.
Radiographic Findings

- There is an ill-defined radiolucence with varying degrees of radio-opaque over the right maxillary sinus floor, measuring approximately 4 x 1.5 cm in dimension.
Radiographic Findings

- Condyle: wearing on the left condyle head
- Sinus: clear
- C & B: 14, 31, 32, 33
- Filling: 36, 46
- Unerupted teeth: 28, 48
- Generalized horizontal bony defect
Differential Diagnosis
Anterior Mass
Inflammation or Cyst or Neoplasm

- Fever or local heat: (-)
- Pain: (-)
- Lymphadenopathy: (-)
- Surface: smooth, ulceration (-)
- Mobility: (-)
- Induration: unknown
- Consistency: soft to firm
- Duration: 2 months

Neoplasm
Benign or Malignant

- Mobility: (-)
- Ulceration: (-)
- Lymphadenopathy: (-)
- Induration: unknown
- Duration: 2 months
- Pain: (-)
- Bone destruction: (+)
- Margin: ill-defined

Malignant
Peripheral or Central

Peripheral
Working Diagnosis

Neoplasm, Malignant peripheral

Polymorphous Adenocarcinoma
Adenoid Cystic Carcinoma
Mucoepidermoid Carcinoma
# Polymorphous adenocarcinoma

<table>
<thead>
<tr>
<th></th>
<th>Our case</th>
<th>Polymorphous adenocarcinoma</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gender</td>
<td>Male</td>
<td>Female</td>
</tr>
<tr>
<td>Age</td>
<td>51</td>
<td>60~80</td>
</tr>
<tr>
<td>Symptom</td>
<td>Slowly growing mass</td>
<td>Painless, bleeding, discomfort feeling</td>
</tr>
<tr>
<td>Site</td>
<td>Hard palate</td>
<td>Hard or soft palate (65%), upper lip, buccal mucosa</td>
</tr>
<tr>
<td>Color</td>
<td>Red</td>
<td>Red</td>
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</tbody>
</table>
Polymorphous adenocarcinoma

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<thead>
<tr>
<th></th>
<th>Our case</th>
<th>Polymorphous adenocarcinoma</th>
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</thead>
<tbody>
<tr>
<td>Consistency</td>
<td>Soft to Firm</td>
<td>soft</td>
</tr>
<tr>
<td>Shape</td>
<td>Dome shape</td>
<td>Dome shape</td>
</tr>
<tr>
<td>Size</td>
<td>2.5 x 2 cm</td>
<td>Depends</td>
</tr>
<tr>
<td>Surface</td>
<td>Smooth</td>
<td>Maybe ulcerated</td>
</tr>
<tr>
<td>duration</td>
<td>2 months</td>
<td>Slow growth</td>
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# Adenoid Cystic Carcinoma

<table>
<thead>
<tr>
<th></th>
<th>Our Case</th>
<th>ACC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gender</td>
<td>Male</td>
<td>No gender predilection</td>
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<tr>
<td>Age</td>
<td>51</td>
<td>Middle age</td>
</tr>
<tr>
<td>Symptom</td>
<td>Slowly growing mass</td>
<td>Slowly growing mass pain</td>
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<tr>
<td>Site</td>
<td>Hard palate</td>
<td>Hard palate</td>
</tr>
<tr>
<td>Color</td>
<td>Red</td>
<td>Red</td>
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</table>
## Adenoid Cystic Carcinoma

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<th>ACC</th>
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<tbody>
<tr>
<td>Consistency</td>
<td>Soft to Firm</td>
<td>Firm</td>
</tr>
<tr>
<td>Shape</td>
<td>Dome shape</td>
<td>Dome shape</td>
</tr>
<tr>
<td>Size</td>
<td>2.5 x 2 cm</td>
<td>Depends</td>
</tr>
<tr>
<td>Surface</td>
<td>Smooth</td>
<td>Smooth</td>
</tr>
<tr>
<td>Duration</td>
<td>2 months</td>
<td>Slowly growing</td>
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</table>
# Mucoepidermoid carcinoma

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<tr>
<th></th>
<th>Our case</th>
<th>Mucoepidermoid carcinoma</th>
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</thead>
<tbody>
<tr>
<td>Gender</td>
<td>Male</td>
<td>Slightly female predilection</td>
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<tr>
<td>Age</td>
<td>51</td>
<td>20–70</td>
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<tr>
<td>Symptom</td>
<td>Slowly swelling mass</td>
<td>Asymptomatic swelling, pain or facial nerve palsy</td>
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<tr>
<td>Site</td>
<td>Hard palate</td>
<td>Parotid gland, minor salivary gland</td>
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<tr>
<td>Color</td>
<td>Red</td>
<td>Blue or red</td>
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</table>
# Mucoepidermoid carcinoma

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<th></th>
<th>Our case</th>
<th>Mucoepidermoid carcinoma</th>
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</thead>
<tbody>
<tr>
<td><strong>Consistency</strong></td>
<td>Soft to firm</td>
<td>Soft, sometimes fluctuant</td>
</tr>
<tr>
<td><strong>Shape</strong></td>
<td>Dome shape</td>
<td>Dome shape</td>
</tr>
<tr>
<td><strong>Size</strong></td>
<td>2.5x2 cm</td>
<td>&lt; 3cm</td>
</tr>
<tr>
<td><strong>Surface</strong></td>
<td>Smooth</td>
<td>Smooth</td>
</tr>
<tr>
<td><strong>Duration</strong></td>
<td>2 months</td>
<td>Slowly growing</td>
</tr>
</tbody>
</table>
Clinical Impression

- Adenoid Cystic Carcinoma over right hard palate
Posterior Mass
Inflammation or Cyst or Neoplasm

- Fever or local heat: (-)
- Pain: (-)
- Lymphadenopathy: (-)
- Surface: smooth, ulceration (-)
- Mobility: (-)
- Induration: unknown
- Consistency: hard
- Duration: unknown
- Surface: multiple nodular

R/O neoplasm, inflammation, cyst
Working Diagnosis

Torus Palatinus
# Torus Palatinus

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<td>Gender</td>
<td>Male</td>
<td>Female</td>
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<tr>
<td>Age</td>
<td>51</td>
<td>30–50</td>
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<td>symptom</td>
<td>Asymptomatic</td>
<td>Asymptomatic</td>
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<tr>
<td>Site</td>
<td>Hard palate</td>
<td>Hard palate</td>
</tr>
<tr>
<td>Color</td>
<td>Pink</td>
<td>Red</td>
</tr>
<tr>
<td></td>
<td>Our case</td>
<td>Mucoepidermoid carcinoma</td>
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<tr>
<td>----------------------</td>
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<td>--------------------------</td>
</tr>
<tr>
<td>Consistency</td>
<td>Hard</td>
<td>Hard</td>
</tr>
<tr>
<td>Shape</td>
<td>Multi-nodular</td>
<td>Multi-nodular</td>
</tr>
<tr>
<td>Size</td>
<td>2x2 cm</td>
<td>&lt; 2cm</td>
</tr>
<tr>
<td>Surface</td>
<td>Smooth</td>
<td>Smooth</td>
</tr>
<tr>
<td>Duration</td>
<td>Unknown</td>
<td>Slowly growing</td>
</tr>
</tbody>
</table>
Clinical Impression

- Torus Palatinus over mid-posterior hard palate
CT Findings
CT scan (98/04/08)

- Impression:
  1. Malignant tumor at the right side of hard palate with direct tumor extension into the nasal cavity (more on the right), right maxillary sinus, and right pterygopalatine fossa.
  2. Bony destruction at right maxillary bone, the hard palate, the inferior portion of nasal septum, and right pterygoid plates.
  3. Preliminary image staging: stage IV A(T4N0Mx).
98/03/31
- Incisional biopsy (anterior mass) is performed under local anesthesia. 3 specimens were sent for H–P examination.
  - Soft tissue of flap
  - Soft tissue of bony cavity
  - Bone fragments
- Posterior mass
  - Clinical impression was torus. Patient refused any treatment.
98/04/07

- Suture removal
- H–P report: adenoid cystic carcinoma
- CT scan arrangement
Treatment Course (3)

- 98/04/14
  - Tumor involved the nasal cavity sinus and pterygomandibular space → IMOPERABLE
  - Chemotherapy and radiotherapy were arranged.
Thank you for your attention