Case Report

D93 Intern B 組：詹宜錡 王聖堯 陳繪宇 廖珮伃
指導老師：林立民 教授
陳玉昆 醫師
王文岑 醫師
指導助教：陳靜怡 醫師
謝牧諺 醫師
General Data

- Name: 呂XX
- Gender: female
- Age: 44
- Native: 台澎
- Occupation: 家管
- First visit: 98/08/19
Chief Complaint

An unhealing ulceration over inner aspect of lower L’t lip for two months.
Present illness

This 44 y/o female suffered from an ulceration over inner aspect of lower L’t lip since 2 months ago. She felt more painful as time goes by, and the lesion became an unhealing ulceration with induration. So, she came to our OPD for further examination and treatment.
Past History

• Past medical history
  - Heart disease, arrhythmia, TB, renal disease, diabetes mellitus, blood disorder: no
  - Thyroid disease: unknown
  - Denied any drug or food allergy

• Hospitalization: no

• Past dental history
  - Attitude: unknown
Personal Habit

• Risk factors related to malignancy
  - Alcohol : (−)
  - Betel nut : (−)
  - Cigarette : (+) 15years 6~7 支/天

• Other habit : unknown
IntraOral Examination

- Reddish ulcerative lesion over left lower lip
  - Size: 2 x 1 cm
  - Surface: ulcerative
  - Base: --
  - Shape: --
  - Color: reddish
  - Consistency: firm
  - Fluctuation: --
  - Mobility: --
  - Pain: (+)
  - Tenderness: (+)
  - Induration: (+)
  - Lymphadenopathy: (+)
There is no significant lesion over maxilla or mandible.

- Missing: Tooth 18
- P&C, crown: Tooth 11 21
Working Diagnosis
• Disease origin:
  1. *Peripheral or intra-Bony origin* ?
  2. *Inflammation or cyst/neoplasm* ?
  3. *Benign or malignant* ?
1. Inflammation or cyst or Neoplasm?

- Color: reddish
- Fever or local heat: (-)
- Lymphadenopathy: (+)
- Pus discharge: (-)
- Duration: at least 2 months
- Fluctuation: (-)

Neoplasm

( but cannot rule out other ulcerative autoimmune diseases )
2. Neoplasm Benign or malignant?

- Pain: (+)
- Tenderness: (+)
- Ulceration: (+)
- Induration: (+)
- Lymphadenopathy: (+)
- Facial n. palsy: unknown

Malignant
3. Peripheral or Intra-bony origin?

- Soft tissue lesion : (+)
- Bony destruction : (-)
- Bony expansion : (-)

Peripheral origin
Working Diagnosis: Neoplasm

- Epithelium origin
  - Squamous cell carcinoma

- Soft tissue origin
  - Leiomyosarcoma
Working diagnosis: Mucocutaneous autoimmune diseases

- Erosive lichen planus
- Pemphigus vulgaris
Differential Diagnosis
## Squamous cell carcinoma

<table>
<thead>
<tr>
<th></th>
<th>Our case</th>
<th>SCC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gender</td>
<td>Female</td>
<td>M : F = 3 : 1</td>
</tr>
<tr>
<td>Age</td>
<td>44</td>
<td>隨年齡而增加</td>
</tr>
<tr>
<td>Symptom</td>
<td>Unhealing ulceration</td>
<td>Minimal pain during the early growth</td>
</tr>
<tr>
<td>Site</td>
<td>Lower left lip</td>
<td>1. Lip vermilion (多在下唇)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2. 口內：國外多好發後舌部的背面與側面，(台灣多好發於頰黏膜)</td>
</tr>
<tr>
<td>Color</td>
<td>Reddish</td>
<td>Normal, red, or white</td>
</tr>
<tr>
<td>Surface</td>
<td>Ulcerated</td>
<td>Fungating, papillary, verruciform, burrowing, ulcerated, white patch, red patch, combined</td>
</tr>
<tr>
<td>Size</td>
<td>2 x 1 cm</td>
<td>Varying degree</td>
</tr>
<tr>
<td>Induration</td>
<td>+</td>
<td>+</td>
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</table>
Squamous cell carcinoma

Our case

Squamous cell carcinoma
## Leiomyosarcoma

<table>
<thead>
<tr>
<th></th>
<th>Our case</th>
<th>Leiomyosarcoma</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gender</td>
<td>Female</td>
<td>equal</td>
</tr>
<tr>
<td>Age</td>
<td>44</td>
<td>Wide age range</td>
</tr>
<tr>
<td>Symptom</td>
<td>Unhealing ulceration</td>
<td>Nonspecific, usually a mass and secondary ulceration pain or painless</td>
</tr>
<tr>
<td>Site</td>
<td>Lower left lip</td>
<td>Jawbones</td>
</tr>
<tr>
<td>Surface</td>
<td>Ulcerative</td>
<td>Ulcerative</td>
</tr>
<tr>
<td>Size</td>
<td>2 ×1 cm</td>
<td>Varying degree</td>
</tr>
</tbody>
</table>
Leiomyosarcoma

Our case

Leiomyosarcoma
## Erosive Lichen Planus

<table>
<thead>
<tr>
<th></th>
<th>Our case</th>
<th>Erosive Lichen Planus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gender</td>
<td>Female</td>
<td>Women : Men = 3:2</td>
</tr>
<tr>
<td>Age</td>
<td>44</td>
<td>Middle-aged (52yrs)</td>
</tr>
<tr>
<td>Symptom</td>
<td>Unhealing ulceration</td>
<td>Atrophy erythematous ulceration</td>
</tr>
<tr>
<td>Site</td>
<td>Lower left lip</td>
<td>Buccal Mucosa(85%), tongue, gingiva, palate, mouth floor, vermilion border</td>
</tr>
<tr>
<td>Color</td>
<td>Reddish</td>
<td>erythematous</td>
</tr>
<tr>
<td>Surface</td>
<td>Ulcerative</td>
<td>Ulcerative</td>
</tr>
<tr>
<td>Size</td>
<td>2×1 cm</td>
<td>Varying degree</td>
</tr>
<tr>
<td>Duration</td>
<td>2 months</td>
<td></td>
</tr>
<tr>
<td>Induration</td>
<td>+</td>
<td>−</td>
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Erosive Lichen Planus

Our case

Erosive Lichen Planus
## Pemphigus vulgaris

<table>
<thead>
<tr>
<th></th>
<th>Our case</th>
<th>Pemphigus vulgaris</th>
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</thead>
<tbody>
<tr>
<td>Gender</td>
<td>Female</td>
<td>Equal</td>
</tr>
<tr>
<td>Age</td>
<td>44</td>
<td>50</td>
</tr>
<tr>
<td>Symptom</td>
<td>Unhealing ulceration</td>
<td>Superficial, ragged erosions and ulcerations</td>
</tr>
<tr>
<td>Site</td>
<td>Low left lip</td>
<td>Any oral mucosal location</td>
</tr>
<tr>
<td>Color</td>
<td>Reddish</td>
<td>White</td>
</tr>
<tr>
<td>Surface</td>
<td>Ulcerative</td>
<td>Smooth</td>
</tr>
<tr>
<td>Size</td>
<td>2×1 cm</td>
<td></td>
</tr>
<tr>
<td>Duration</td>
<td>2 months</td>
<td></td>
</tr>
<tr>
<td>Induration</td>
<td>+</td>
<td>−</td>
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</tbody>
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Pemphigus vulgaris

Our case

Pemphigus vulgaris
Squamous cell carcinoma, left lower lip