

高雄榮民總醫院

口腔癌診療原則

2021年04月28日 第一版

頭頸癌醫療團隊擬訂

注意事項：這個診療原則主要作為醫師和其他保健專家診療癌症病人參考之用。假如你是一個癌症病人，直接引用這個診療原則並不恰當，只有你的醫師才能決定給你最恰當的治療。

會議討論

上次會議：2020/05/06

本共識與上一版的差異

| 上一版 | 新版 |
|--|--|
| <ol style="list-style-type: none">1. 在Workup加入± Neck FNA以及± Chest CT2. 在Follow up 加入±TSH for irradiated neck3. 在Clinical T1-2, N0, M0治療中加入SLN biopsy4. 在Recurrent, unresectable, metastatic的化療Regimen提升immunotherapy順序，並加入合併使用化療的選項 | <ol style="list-style-type: none">1. Workup中加入上消化道內視鏡檢查(PES)2. Workup中的Multidisciplinary consultation加上會診項目Fertility/reproductive, smoking cessation3. Follow-up的Every 1 year排的檢查項目加上 As clinically indicated4. [Clinical T1-2, N0, M0]，if positive margin，adjuvant treatment的Re-resection和 RT之間加上”or”5. [Clinical T3, N0; T1-3, N1-3; T4a-resectable T4b, any N; M0]，if positive margin，adjuvant treatment的re-resection or RT改成re-resection and RT6. [Recurrent, unresectable, metastatic]化療 regimen，把immunotherapy順序往前調升，將EXTREME Regimen順序後移。7. M1的部分，PS2、PS3增加Palliative RT 或 palliative surgery |

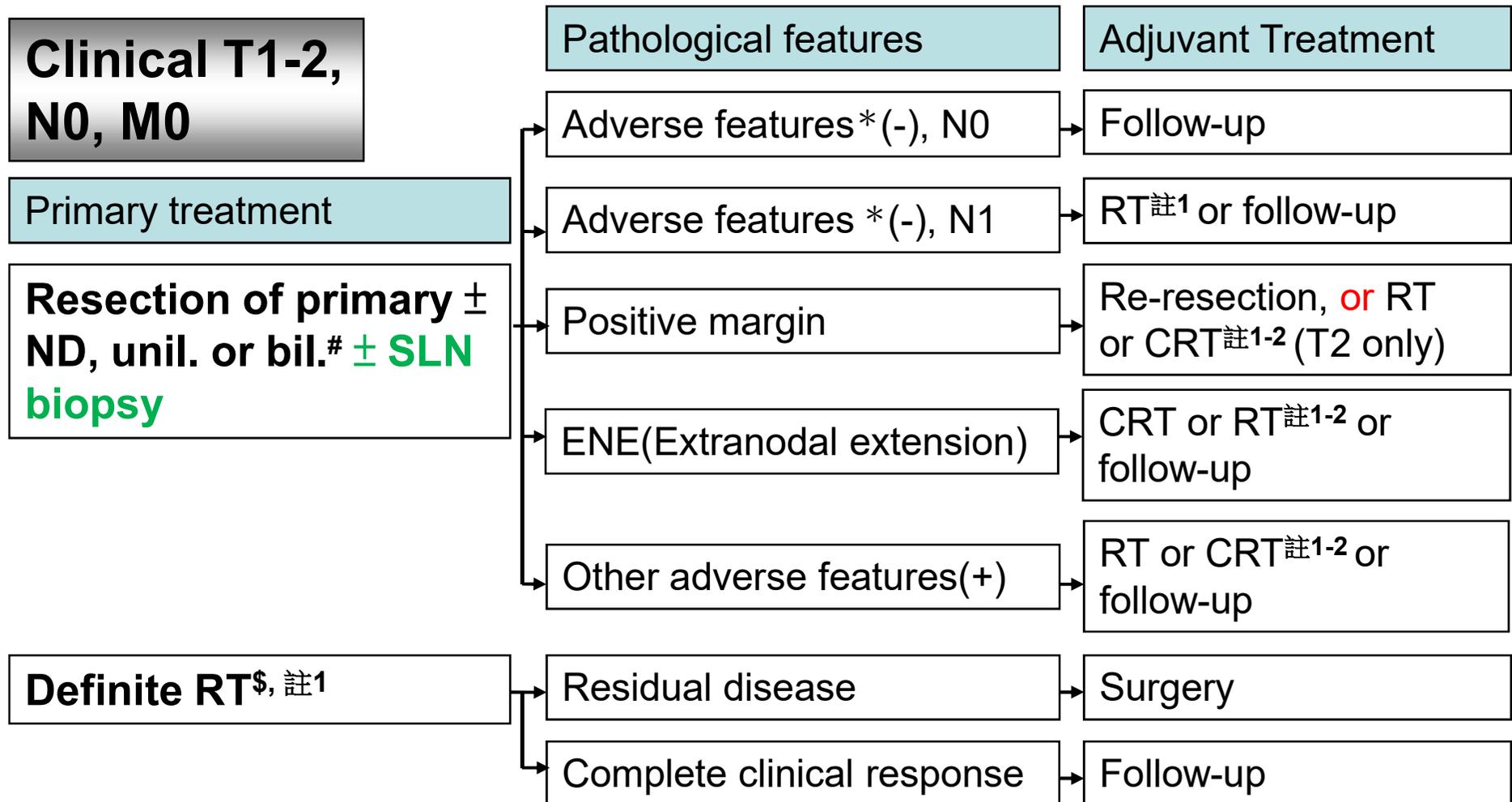
Carcinoma of Oral Cavity

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| WORK-UP | STAGING & TREATMENT | FOLLOW-UP |
|--|---|---|
| <ul style="list-style-type: none">• <u>History& PE</u> (<u>pack yr smoked</u>)• <u>Biopsy & Pathology</u>• <u>Image</u><ul style="list-style-type: none">→ MRI*or CT of H&N* or PET→ Chest X-ray ± <u>Chest CT</u>→ Bone scan* (<u>if PET/CT not done</u>)→ Abd. Sono*→ ± Neck Sono→ ± PES• <u>Dental evaluation</u><ul style="list-style-type: none">→ Panorex→ ± teeth extraction• <u>Multidisciplinary consultation</u> (± Fertility/reproductive, smoking cessation)± <u>Swallowing evaluation</u>• ± <u>p16 status</u> <p>(* 期別之相關之主要檢查)</p> | <ul style="list-style-type: none">• <u>[T1-2, N0, M0]</u> 詳見 <i>Page 2</i>• <u>[T3, N0; T1-3, N1-3; T4a-resectable T4b, any N, M0]</u> 詳見 <i>Page 3</i>• <u>[Inoperable status]</u> 詳見 <i>Page 4</i>• <u>[M1]</u> 詳見 <i>Page 5</i> | <ul style="list-style-type: none">• <u>[Post-Tx within 6 months]</u><ul style="list-style-type: none">→ Every 1-2 months: PE→ Baseline MRI or CT→ ± Neck Sono• <u>[0.5-3 years after Tx]</u><ul style="list-style-type: none">→ Every 2-3 months: PE→ Every 1 year: H & N MRI or CT, CxR, Bone scan & Abd. Sono ± Neck Sono As clinically indicated±TSH, free T4*As clinically indicated• <u>[3-5 years after Tx]</u><ul style="list-style-type: none">→ Every 4-6 months: PE• <u>[5 years later after Tx]</u><ul style="list-style-type: none">→ Every 6-12 months: PE <p>(*if RT, every 6-12 months)</p> |

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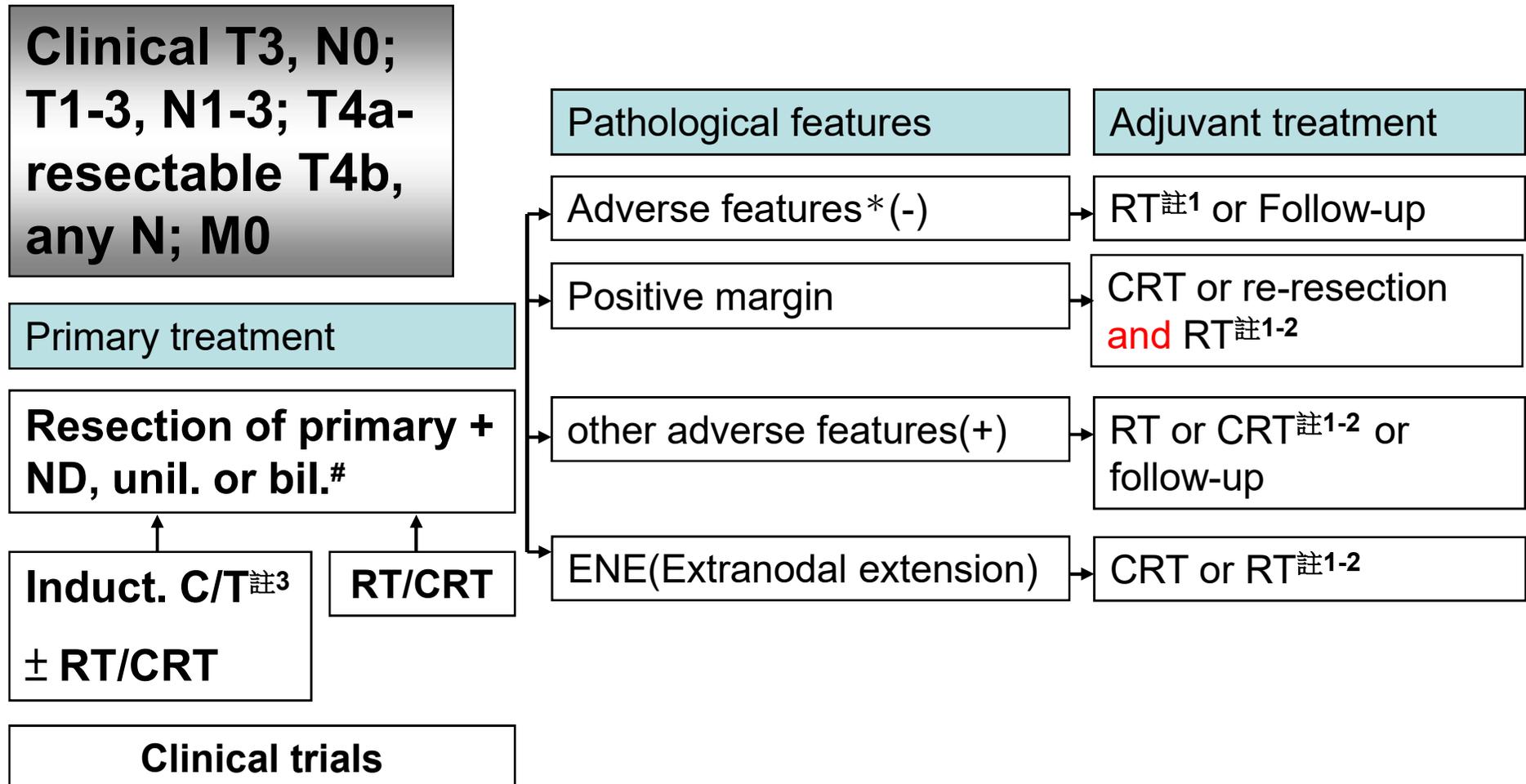
#Depth of invasion ≥4mm可考慮Elective ND(依腫瘤厚度、位置、SLN biopsy結果而定)或close follow up

*Adverse features: extranodal extension, positive or close margins, pT3 or pT4 primary, pN2 or pN3 nodal disease, nodal disease in level IV or V, perineural invasion, vascular invasion, lymphatic invasion

\$RT: external beam RT(EBRT)± brachytherapy alone

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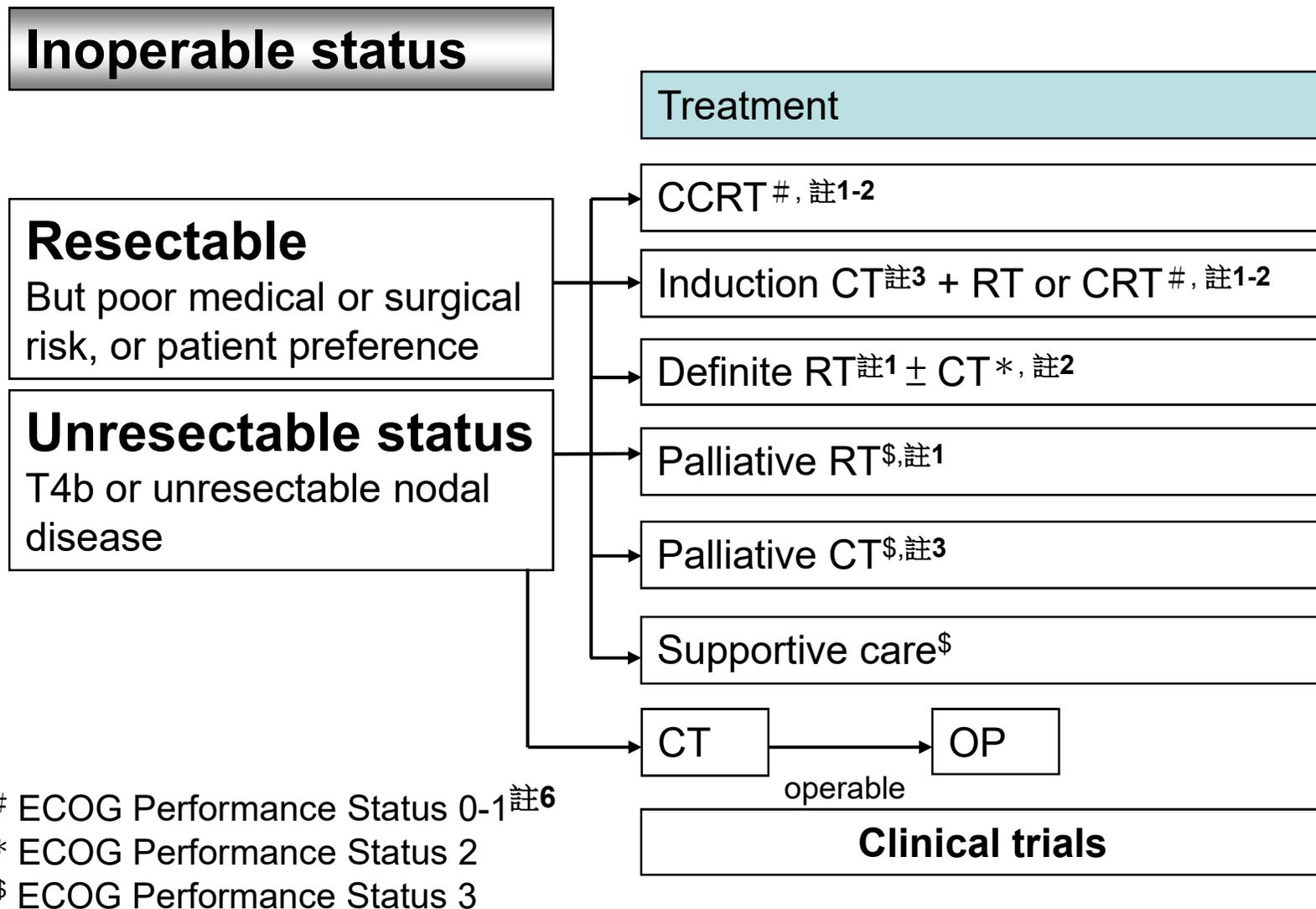


Therapeutic neck dissection, level 依cN status 及腫瘤位置而定

* Adverse features : Extranodal extension, positive or close margins, pT3 or pT4 primary, N2 or N3 nodal disease, nodal disease in levels IV or V, perineural invasion, lymphovascular invasion

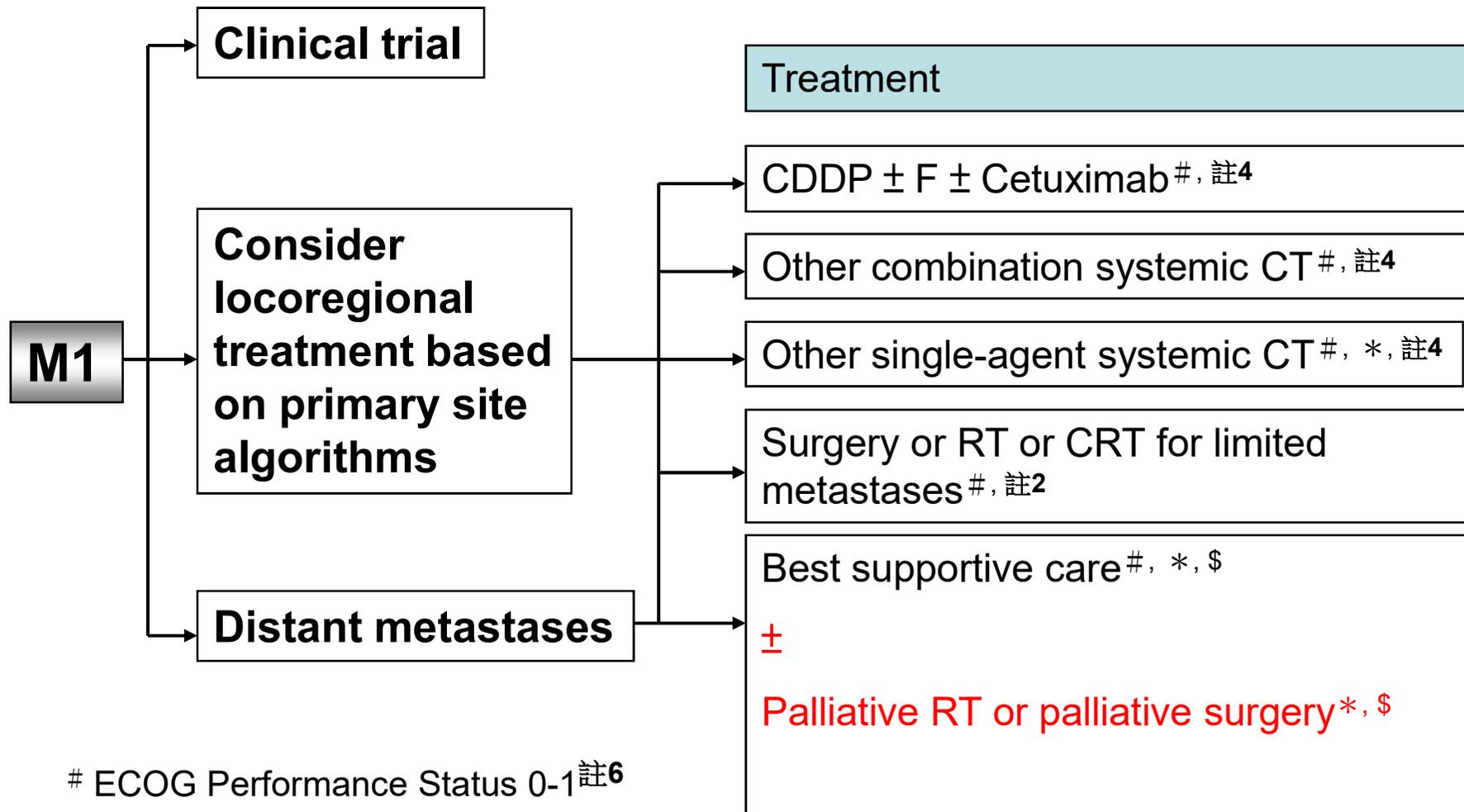
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ECOG Performance Status 0-1 註6

* ECOG Performance Status 2

\$ ECOG Performance Status 3

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註1

Principles of Radiotherapy

Definitive Radiotherapy

- Primary and gross adenopathy : 66 - 74 Gy (1.8-2.0 Gy/fraction)
- Neck uninvolved nodal stations : 44 - 64 Gy (1.6-2.0 Gy/fractions)

Postoperative Radiotherapy

- Preferred interval between operation and radiotherapy is ≤ 6 weeks.
- Primary : 60-66 Gy (1.8-2.0 Gy/fraction)
- Neck involved nodal stations : 60 - 66 Gy (1.8-2.0 Gy/fraction)
- Neck uninvolved nodal stations : 44 - 64 Gy (1.6-2.0 Gy/fraction)

Palliative RT

- Indicated in : relieve local symptoms, prevent debilitation such as spinal cord compression and pathological fracture, achieve durable locoregional control.

CCRT or RT

- RT alone if : old age, impaired renal function, poor condition or refused chemotherapy

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註2 高雄榮民總醫院 臨床診療指引 Ver.1 修訂於2021.04.28 Page 7 (Ref. 8-13)

Principles of Chemotherapy

Concurrent with RT

Regimen 1: q3w CDDP ± Cetuximab^{註5} + RT

- Cisplatin (80-100mg/ m²) q3w during R/T
- Cetuximab(400mg/ m²) loading dose first week, then Cetuximab(250mg/ m²) maintain dose D1 + Cisplatin (80-100mg/ m²) q3w D2 during R/T

Regimen 2: Weekly CDDP ± Cetuximab^{註5} + RT

- Cisplatin (30-40mg/ m²) weekly during R/T
- Cetuximab(400mg/ m²) loading dose first week, and then Cisplatin (30-40mg/ m²) weekly D1 + Cetuximab(250mg/ m²) maintain dose D2 during R/T

Regimen 3: q3w Carboplatin^{註5} ± Cetuximab^{註5} + RT

- Carboplatin (AUC x 5mg) q3w during R/T
- Cetuximab(400mg/ m²) loading dose first week, then Cetuximab(250mg/ m²) maintain dose D1 + Carboplatin (AUC x 5mg) q3w D2 during R/T

Regimen 4: Weekly Cetuximab^{註5} + RT

- Cetuximab(400mg/ m²) loading dose first week, then Cetuximab(250mg/ m²) maintain dose during RT

Regimen5 : Carboplatin + 5-FU + Hydroxyurea (CCr < 60) + RT

- Carboplatin (AUC x 1.25mg) D1-D4
- Fluorouracil (5-FU) (850mg/m²) D1-D4
- Hydroxyurea 1CAP BID D1-D5

Regimen6 : Cisplatin + 5-FU + Hydroxyurea + RT

- Cisplatin(20mg/ m²) D1-D4
- Fluorouracil (5-FU) (850mg/m²) D1-D4
- Hydroxyurea 1CAP BID D1-D5

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註3

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Regimens of Chemotherapy

Induction or adjuvant, 建議2-3cycles

Regimen 1 : q3-4 weeks T^{註5} + P ± F ± weekly Cetuximab^{註5}

- Taxotere(60 mg/ m²) D1
- Cisplatin(60-75 mg/ m²) D1
- Fluorouracil (5-FU) (600-750mg/m²) D2-D5
- Cetuximab (400mg/ m²) loading dose first week, then Cetuximab (250mg/ m²) maintain dose

Regimen 2: q3-4 weeks Platinum ± F ± weekly Cetuximab^{註5}

- Cisplatin(80-100mg/ m²) D1 or Cisplatin (20mg/ m²) D1-D5 or Carboplatin (AUC x 5mg) D1
- Fluorouracil (5-FU) (1000mg/ m²) D2-D5
- Cetuximab(400mg/ m²) loading dose first week, then weekly Cetuximab (250mg/ m²)

Regimen 3: weekly Cetuximab^{註5}

- Cetuximab (400mg/ m²) loading dose first week, then Cetuximab (250mg/ m²) maintain dose

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註3

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Regimens of Chemotherapy

Induction or adjuvant, 建議2-3cycles

Regimen 4: oral Fluorouracil

- Ufur cap (tegafur 100mg+uracil 224mg) 2# BID-TID
(Salvage or palliative CT中作為取代iv-formed 5-FU之替代藥物)

Regimen 5: weekly Methotrexate

- Methotrexate (40-60mg/ m2)

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註4

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Regimens of Chemotherapy

Recurrent, unresectable, metastatic

Regimen 1 (First line): q3 weeks Pembrolizumab^{註5} ± Platinum ± F

- Pembrolizumab(200mg) D1 (if CPS \geq 1)
- Cisplatin(80-100mg/m²) D1 or Cisplatin (20mg/ m²) D1-D5 or Carboplatin (AUC x 5mg) D1
- Fluorouracil (5-FU) (600-1000 mg/m²) D2-D5

Regimen 2 (First line): q3 weeks Pembrolizumab^{註5}

- Pembrolizumab(200mg) D1 (if CPS \geq 1)

Regimen 3 (Subsequent line): q2 weeks Nivolumab^{註5}

- Nivolumab(3mg/kg) D1

Regimen 4 (Subsequent line): q3 weeks Pembrolizumab^{註5}

- Pembrolizumab(200mg) D1 (if disease progression on or after platinum therapy)

Regimen 5: q3-4 weeks Platinum ± F ± weekly Cetuximab^{註5}

- Cisplatin(80-100mg/ m²) D1 or Cisplatin (20mg/ m²) D1-D5 or Carboplatin (AUC x 5mg) D1
- Fluorouracil (5-FU) (600-1000 mg/m²) D2-D5
- Cetuximab(400mg/ m²) loading dose first week, then weekly Cetuximab (250mg/ m²)

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註4

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Regimens of Chemotherapy

Recurrent, unresectable, metastatic

Regimen 6: q3-4 weeks T ± P ± weekly Cetuximab^{註5}

- Taxotere(60 mg/ m²) D1
- Cisplatin(60-75 mg/ m²) D1
- Cetuximab(400mg/ m²) loading dose first week, then weekly Cetuximab (250mg/ m²)

Regimen 7: q3-4 weeks T ± Carboplatin ± weekly Cetuximab^{註5}

- Taxotere(60 mg/ m²) D1
- Carboplatin (AUC x 5mg) D1
- Cetuximab(400mg/ m²) loading dose first week, then weekly Cetuximab (250mg/ m²)

Regimen 8: Cisplatin + Epirubicin+ 5-FU+ Leucovorin

- Cisplatin (60 mg/ m²) D1
- Epirubicin (50 mg/ m²) D1
- Fluorouracil (5-FU) (2000 mg/m²) D1

Regimen 9: q2 weeks Bevacizumab

- Bevacizumab (200 mg/ m²) D1

Regimen 10: weekly Gemcitabine

- Gemcitabine (1000 mg/m²) D1

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註5

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特殊用藥健保給付規定

Taxotere

- 頭頸部癌，限局部晚期且無遠端轉移之頭頸部鱗狀細胞癌且無法手術切除者。
- 與Cisplatin 及5-FU 併用，作為放射治療前的引導治療，限使用四個療程。

Cetuximab

- 限與放射線療法合併使用於局部晚期之口咽癌、下咽癌及喉癌患者，使用總療程以接受8次輸注為上限。需經事前審查核准後使用。
符合下列條件之一：
 1. 年齡 ≥ 70 歲
 2. $Ccr < 50ml/min$
 3. 聽力障礙者 (聽力障礙定義為500Hz、1000Hz、2000Hz 平均聽力損失大於25 分貝)
 4. 無法耐受platinum-based 化學治療。
- 限無法接受局部治療之復發及/或轉移性頭頸部鱗狀細胞癌，且未曾申報 cetuximab 之病患使用。需經事前審查核准後使用，使用總療程以18週為限，每9週申請一次，需無疾病惡化情形方得繼續使用。(106/4/1)

Carboplatin

- 限腎功能不佳 ($CCr < 60$) 或曾作單側或以上腎切除之惡性腫瘤患者使用。

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註5

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特殊用藥健保給付規定

Pembrolizumab、Nivolumab

• 先前已使用過 Platinum 類化學治療失敗後，又有疾病惡化的復發或轉移性頭頸部鱗狀細胞癌成人患者。本類藥品與 Cetuximab 僅能擇一使用，且治療失敗時不可互換。

• 符合下列條件：

1. 病人身體狀況良好(ECOG \leq 1)
2. NYHA (the New York Heart Association) Functional Class I 或 II
3. GOT $<$ 60U/L及GPT $<$ 60U/L，且T-bilirubin $<$ 1.5mg/dL；Creatinine $<$ 1.5mg/dL，且 eGFR $>$ 60mL/min/1.73m²
4. PD-L1 表現量 TPS \geq 50%

• 初次申請以12 週為限，申請時需檢附以下資料：病理或細胞檢查報告、生物標記(PD-L1)表現量檢測報告、病人身體狀況良好(ECOG \leq 1)及心肺與肝腎功能之評估資料、符合 i-RECIST 定義之影像檢查及報告(上述影像檢查之給付範圍不包括PET)、先前已接受過之治療與完整用藥資料、使用免疫檢查點抑制劑之治療計畫(treatment protocol)。

• 用藥後每 12 週評估一次，以 i-RECIST 或 mRECIST 標準評定反應，依下列原則給付：

- I. 有療效反應者(PR 及 CR)得繼續使用；
- II. 出現疾病惡化(PD)或出現中、重度或危及生命之藥物不良反應時，應停止使用；
- III. 疾病呈穩定狀態者(SD)，可持續再用藥 4 週，並於 4 週後再次評估，經再次評估若為 PR、CR 者，得再繼續使用 12 週。若仍為 SD 或已 PD 者，應停止使用。

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註6

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Eastern Cooperative Oncology Group (ECOG) Performance Status

| Grade | Description | Suggestion |
|-------|---|---------------|
| 0 | Normal activity fully ambulatory (無症狀) | 按照標準化療評估及療程。 |
| 1 | Symptoms, but nearly fully ambulatory (有症狀，完全步行，但對生活無影響) | 按照標準化療評估及療程。 |
| 2 | Some bed time, but needs to be in bed less than 50% of normal daytime (躺在床上的時間<50%) | 按照標準化療評估及療程。 |
| 3 | Needs to be in bed more than 50% of normal daytime (躺在床上的時間>50%) | 可視情況考慮停止化學治療。 |
| 4 | Unable to get out of bed (長期完全臥床) | 建議停止化學治療。 |
| 5 | Dead | |

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