



仁愛醫療財團法人
JEN-AI HOSPITAL

口腔癌 Oral Cavity 診療指引

2009年06月03日制定

2010年03月16日一修

2011年04月20日二修

2012年04月18日三修

2013年02月20日四修

2014年02月19日五修

2015年03月18日六修

2016年03月16日七修

2017年03月15日八修

2018年04月18日九修

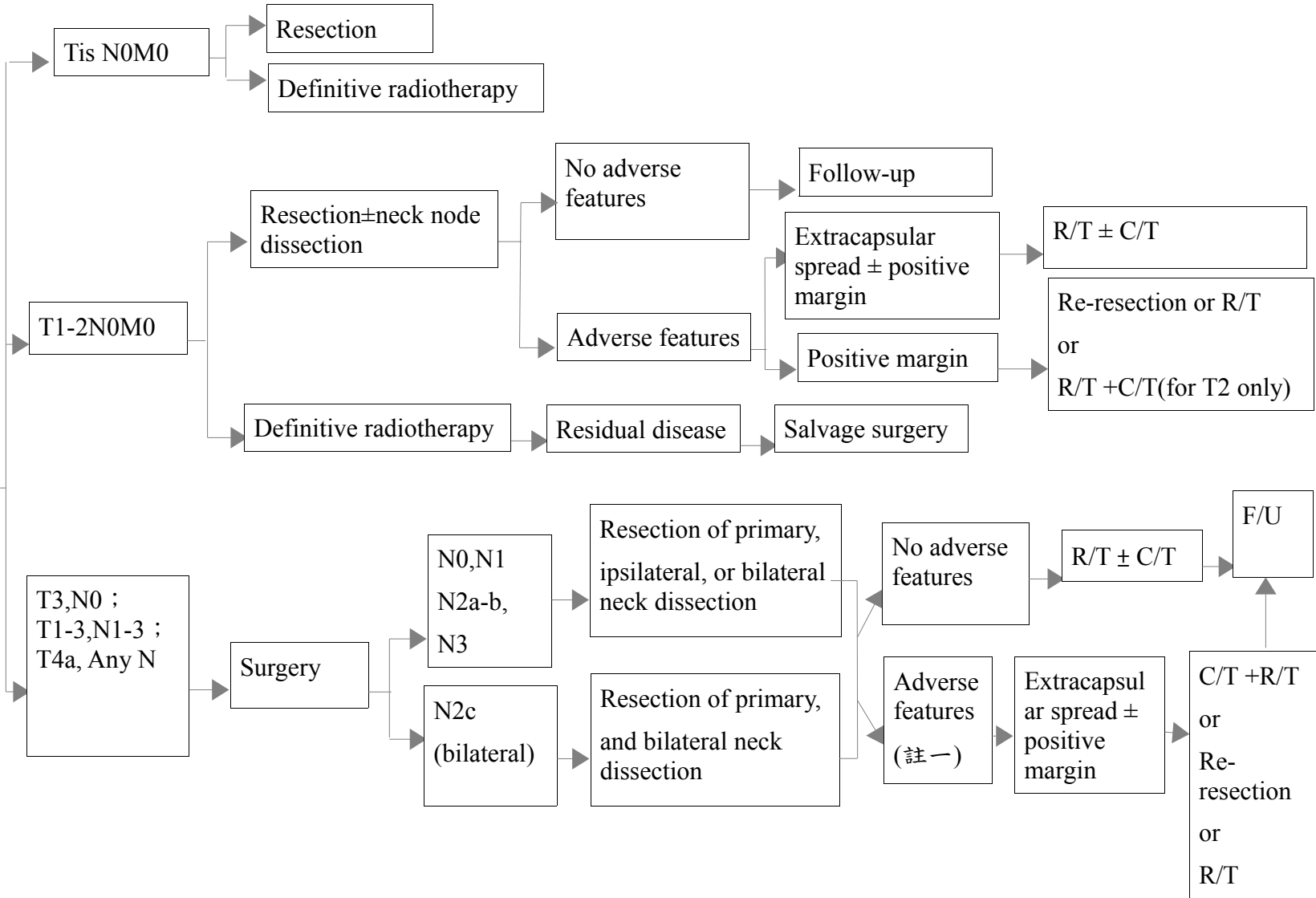
頭頸癌醫療團隊共同制定

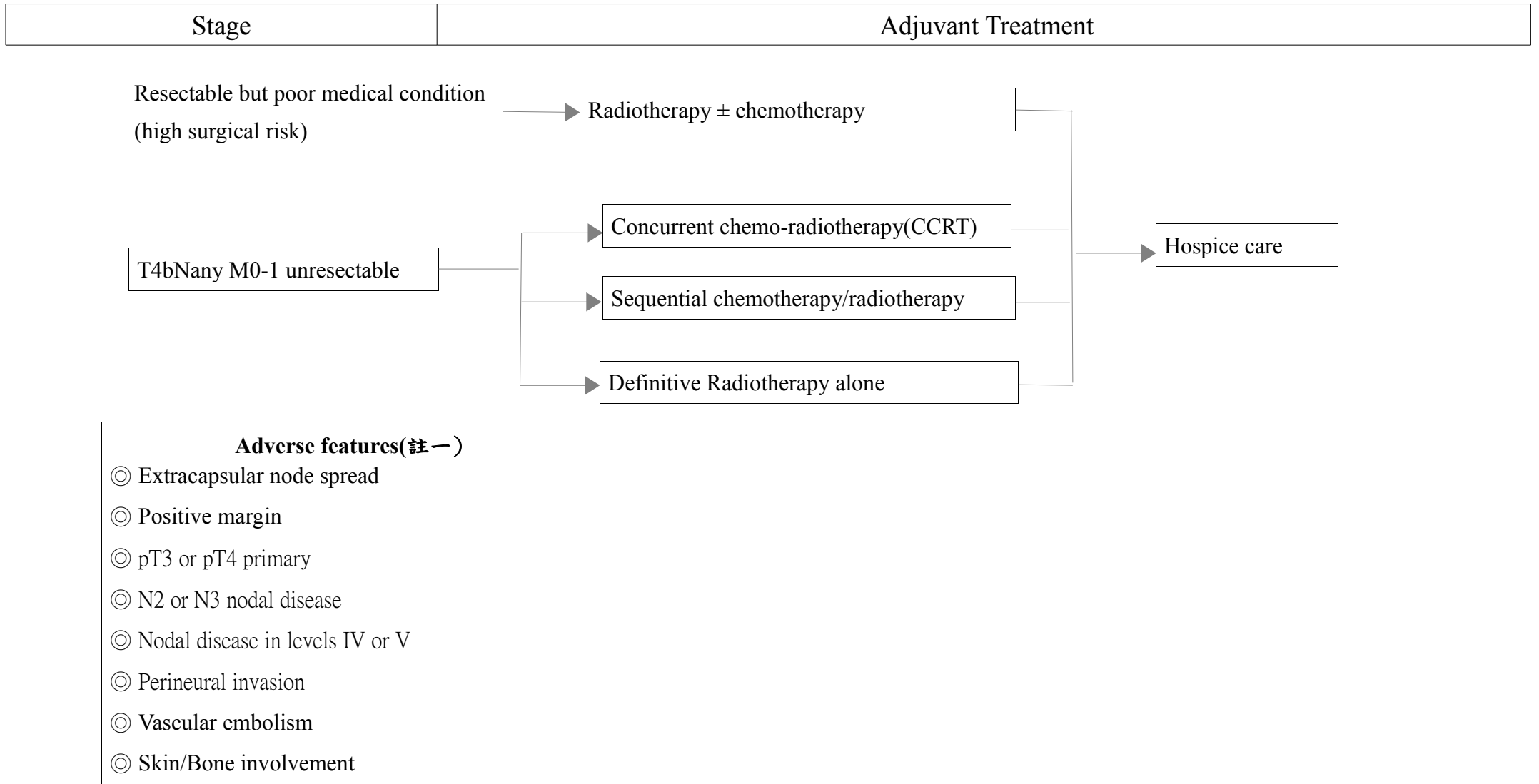
修訂原則

- 參與修訂科別：耳鼻喉科、放射診斷科、病理科、腫瘤治療科、血液暨腫瘤內科、安寧緩和團隊。
- 診療指引需符合以下原則：
 - 一、依據實證醫學精神，並於指引中註明主要參考文獻（至少為 peer review article，若引用醫院之資料庫資料需提供分析及討論紀錄。
 - 二、參酌國情並經院內共識討論，且有相關會議紀錄佐。
 - 三、定期檢視改版（至少每年一次，且明確標示制訂或修訂日期）。
 - 四、團隊共識後所訂之指引，應提送癌委會核備後公告。

Stage work up	Stage	Adjuvant Treatment
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- ◎ History & Complete head and neck examination ; fiberscope examination as clinical indicated
- ◎ Biopsy/Pathology (confirm histologic diagnosis endoscopy if indicated)
- ◎ MRI/CT of Head and Neck
- ◎ CXR
- ◎ Abdominal sonography
- ◎ Dental/prosthetic evaluation
- ◎ Bone scan/ PET-CT scan for stage III-IV disease (option)
- ◎ Multidisciplinary Consultation /discussion
- ◎ Nutrition, speech and swallowing evaluation/therapy as indicated





頭頸癌化療處方 Chemotherapy regimen		
治療目的	組套編碼	處方內容
Induction chemotherapy	HNCHE1	<p>Docetaxel/Cisplatin/5-FU</p> <p>Docetaxel 60-75mg/m² in N/S 250ml IV over 1 hour, day 1</p> <p>Cisplatin 60-75mg/m² in N/S 300ml IV over 6 hour, day 1-4</p> <p>5-FU 750 mg/m²/day in N/S 500ml IV CI 24hour, days 1-4</p> <p>Repeat every 3wk for 4 cycles</p> <p>Then 4-7 weeks later,radiation;suegical resection can be pursued before or after chemotherapy</p>
	HNCHE2	<p>Docetaxel/Cisplatin/5-FU^{28,29}</p> <p>Docetaxel 75 mg/m² in N/S 250ml IV over 1 hour, day 1</p> <p>Cisplatin 100mg/m² in N/S 300ml IV over 2(0.5-3)hour, day 1-4</p> <p>5-FU 1000 mg/m²/day in N/S 500ml IV CI 24hour, days 1-5</p> <p>Repeat every 3wk for 3 cycles</p> <p>Then 6-12 weeks later,pursue surgery 、C/T 、R/T or CCRT 、if applicable</p>
	HNCHE2	<p>Weekly cispiatin alternative with weeklyLV/5-FU</p> <p>Docetaxel/Cisplatin/5-FU^{28,29}</p> <p>Docetaxel 75 mg/m² in N/S 250ml IV over 1 hour, day 1</p> <p>Cisplatin 100mg/m² in N/S 300ml IV over 2 hour, day 1</p> <p>5-FU 1000 mg/m²/day in N/S 500ml IV CI 24hour, days 1-4</p> <p>Repeat every 28 days</p>
	HNCHE3	<p>Paclitatel/Cisplatin/5-FU⁵⁵</p> <p>Paclitatel 175mg/m² IV over 3 hour, day 1</p>

		<p>Cisplatin 100mg/m² IV over 2 hour, day 2</p> <p>5-FU 500 mg/m²/day in N/S 500ml IV CI 24hour, days 2-6</p> <p>Repeat every 3wk for 3 cycles</p> <p>Then 6-12 weeks later,pursue surgery 、C/T 、R/T or CCRT 、if applicable</p>
CCRT-Definite	HNRTD2	<p>Cisplatin (100)/RT⁵⁶</p> <p>Cisplatin 100 mg/m² in N/S 300ml IV over 2 hour, days 1, 22, 43¹⁶</p> <p>Repeat every 21days x 3 cycles during radiation</p>
	HNRTD3	<p>Cisplatin (20)/5-FU(1000)/ RT⁵⁷</p> <p>Cisplatin 20 mg/m²/day in N/S 300ml IV CI 24 hourse, days 1-4 and 29-32</p> <p>Fluorouracil (5-FU)1000 mg/m²/day in N/S 500ml IV CI 24 hourse, days 1-4 and 29-32³²</p> <p>Concurrent with radiation</p>
	HNRTD4	<p>Carboplatin/5-FU (600)/RT⁵⁸</p> <p>Carboplatin 70mg/m² in N/S 250ml IV over 1 hour, days 1,22,43</p> <p>5-FU 600 mg/m²/day in N/S 500ml IV CI 24 hourse,days 1-4, 22-25, 43-46</p> <p>Repeat every 21 days x 3 cycles during radiation</p>
	HNRTD5	<p>Cisplatin(20)/Paclitaxel(30)//RT²⁰</p> <p>Paclitaxel 30 mg/m² in N/S 500ml IV over 1 hour, day 1</p> <p>Cisplatin 20 mg/m² in N/S 300ml IV over1 hour, day 2²⁰</p> <p>weekly for up to 7 week during radiation</p>
	HNRTD6	<p>Carboplatin (100)/Paclitaxel(45)/RT^{23,59}</p>

		<p>Paclitaxel 45 mg/m² in N/S 500ml IV over 1 hour, day 1</p> <p>Carboplatin 100mg/m² in N/S 250ml IV over 1 hour, days 1</p> <p>Weekly during radiation x 7 weeks</p>
	HNRTD7	<p>Cetuximab/RT⁵</p> <p>Cetuximab 400 mg/m² IV infusion over 2 hour, loading dose 1st week before the start of radiation therapy</p> <p>Cetuximab 250 mg/m² IV infusion over 1 hour, weekly</p> <p>Concurrent with radiotherapy</p> <p>Total 8 cycles</p>
Adjuvant CCRT	HNRTA1	<p>Weekly Cisplatin(50)/RT⁶</p> <p>Cisplatin 50 mg/m² in N/S 300ml IV over 2 hour, day 1</p> <p>Weekly for 7-9 weeks during radiation</p>
	HNRTA2	<p>Cisplatin(100)/RT^{14,60}</p> <p>Cisplatin 100 mg/m² in N/S 300ml IV over 2 hour, day 1,22,43</p> <p>Repeat every 21 days x 3 cycles during radiation</p>
	HNRTA3	<p>Weekly Carboplatin/RT⁶⁰</p> <p>Carboplatin AUC 1.5 in N/S 250ml IV keep 1 hours</p> <p>Repeat weekly for up to 7 weeks during radiation</p>
Adjuvant Chemotherapy	HNA01	<p>Uracil-Tegafur⁶¹</p> <p>Uracil-Tegafur 300-400mg/day , oral daily for 1 year</p>
	HNP01-1	<p>Cisplatin/5-FU/Cetuximab³⁶</p> <p>Cisplatin 100 mg/m² in N/S 300ml IV over 1 hour, day 1</p> <p>5-FU 1000 mg/m²/day in N/S 500ml IV CI 24 hour , days 1-4</p>

<p>Unresectable/ Metastatic (incurable) (Combination therapy)</p>	HNP01-2	<p>Repeat every 21 days for 6 cycles</p> <p>Or</p> <p>Carboplatin/5-FU/Cetuximab³⁶</p> <p>Carboplatin AUC 5 in NS 250 ml IV over 60 minutes, day 1</p> <p>5-FU1000 mg/m²/day in N/S 500ml IV CI 24 hour , days 1-4</p> <p>Repeat every 21 days for 6 cycles</p> <p>plus</p> <p>Cetuximab 400 mg/m² IV infusion over 2 hour , loading dose 1st week, <i>then</i> 250 mg/m² IV infusion over 1hour ,weekly</p> <p>Repeat weekly until disease progression</p>
	HNP02	<p>Cisplatin(100)/Cetuximab⁷</p> <p>Cisplatin 100 mg/m² in N/S 300ml IV over 2 hour on day 1</p> <p>Repeat every 28 days</p> <p>plus</p> <p>Cetuximab 400 mg/m² IV infusion over 2 hour , loading dose 1st, week <i>then</i> 250 mg/m² IV infusion over 1 hour ,weekly</p> <p>Repeat weekly⁷</p>
	HNP03-1	<p>Cisplatin(75)/Docetaxel(75)²¹</p> <p>Docetaxel 75 mg/m² in N/S 250ml IV over 1 hour, day 1</p> <p>Cisplatin 75 mg/m² IV in N/S 300ml over 2 hour(原文 30minutes), day 1</p> <p>Repeat every 21day²¹</p>
	HNP03-2	<p>Docetaxel(65)/Carboplatin³³</p> <p>Docetaxel 65 mg/m² in N/S 250ml IV over 1 hour, day 1</p>

		Carboplatin AUC 6, in N/S 250ml IV over 1 hour , day 1 ³³ Repeat every 21 days
HNP04-1		Paclitaxel(175)/Cisplatin(75)²² Paclitaxel 175 mg/m ² in N/S 500ml IV over 3 hour ,day 1 Cisplatin 75 mg/m ² in N/S 300ml IV over 2 hour, day 1 ²² Repeat every 21 days Or
HNP04-2		Paclitaxel(175)/Carboplatin²² Paclitaxel 175 mg/m ² in N/S 500ml IV over 3 hour , day 1 Carboplatin AUC 6 in N/S 250ml over 60 min ,day 1 Repeat every 21 days
HNP11-1		Docetaxel/Cisplatin/Cetuximab⁶² Docetaxel 75 mg/m ² in N/S 250ml IV over 1 hour, day 1 Cisplatin 75 mg/m ² in N/S 300ml IV over 2 hour, day 1 Cetuximab 400 mg/m ² on day 1 of cycle 1 <i>then</i> 250 mg/m ² weekly Repeat every 21 days x 4 cycles **G-CSF support with lenograstim 150µg/m ² /day was delivered after each cycle of chemotherapy
HNP11-2		Follow by Maintenance Cetuximab⁶² Maintenance Cetuximab 500 mg/m ² every 2 weeks until disease progression or unacceptable toxicity
NPH17		MEMOCLUB⁷⁴

		<p>Methotrexate 30mg/m² in NS 100ml IV 15 minute, day 1 Epirubicin 30mg/m² in NS 100 ml IV 15 minutes, day 1 alternating with Mytomycin-C 4 mg/m² in NS 100ml IV 30 minutes, day 8 Oncovin 1mg/m² in NS 100ml IV 10 minutes, day 8 Mix Cisplatin 25 mg/m²+Leucovorin 120 mg/m²+5-FU 1000mg/m² +Bleomycin 10 mg/m² in NS 400ml IV 24 hours, day 8 Repeat every 2 weeks for 5-6 cycles</p>
Metastatic (Single agents)	HNP05	<p>Methotrexate^{63,64} Methotrexate 40 mg/m² in N/S 100ml IV over 10 min, day 1 Repeat weekly (3weeks equals 1 cycle)¹⁷</p>
	HNP06	<p>Paclitaxel(80)⁶⁵ Paclitaxel 80 mg/m² in N/S 500ml IV over 1 hour, day 1 Repeat weekly</p>
	HNP07	<p>Docetaxel(75)^{66,67} Docetaxel 75 mg/m² in N/S 250ml IV over 1 hour, day 1 Repeat every 21 days</p>
	HNP8	<p>Cetuximab(400)³⁴ Cetuximab 400 mg/m² IV infusion over 2 hour, loading dose on day 1st, <i>then</i> 250 mg/m² IV over 1 hour weekly Repeat weekly until disease progression³⁴</p>

	HNP10	Uracil-Tegafur⁶¹ Uracil-Tegafur 300-400mg/m ² /day,oral daily till PD or unacceptable toxicity
	HNP13-1	Vinorebine^{71,72} Vinorebine 30mg/m ² in NS 50 ml IV 10 minutes weekly
	HNP13-2	Or Oral Vinorebine⁷³ Vinorebine 80mg/m ² PO weekly
	HNP14	Capecitabine⁷⁰ Capecitabine 1250 mg/m ² /day PO twice daily , days 1-14 Repeat every 21 days for at least two cycles.
	HNP15	Fluorouracil Fluorouracil 1000mg/m ² /day in NS 500ml IV CI 24 hours,day1-4 Repeat every 4 weeks
	HNP16	Cisplatin Cisplatin 100mg/m ² in NS 300ml IV over 2 hours,day1 Repeat every 4 weeks

• 口腔癌 Radiation therapy^{11,12,13,27,44,45,46}

• Treatment type	• RT technique	• Total dose	• Fraction size / # Fractions	• Note
<ul style="list-style-type: none"> • Curative radiation therapy³⁹ • Definitive RT 	<ul style="list-style-type: none"> • Conventionally Fractionated RT • IGRT+IMRT 	45-50Gy to intermediate risk area 60-66Gy to high risk area 66-74Gy to primary tumor& nodal disease	<ul style="list-style-type: none"> • 1.8-2Gy/ fraction 	
<ul style="list-style-type: none"> • Adjuvant radiation therapy^{14,26} • Postoperative RT 	<ul style="list-style-type: none"> • Conventionally Fractionated RT • IGRT+IMRT 	55-70Gy for R0 66Gy for R1 (microscopically positive) 70-72Gy for R2 (gross residual tumor)	<ul style="list-style-type: none"> • 1.8-2Gy/ fraction 	<ul style="list-style-type: none"> • Preferred interval between resection and postoperative RT

- 註：實際治療分次劑量 × 總治療次數，應與處方劑量差異在±1Gy內。
- 註：放射治療詳細流程請參照 口腔癌放射治療標準政策與執行規範。