

《頭頸癌抗癌藥物治療指引》

Squamous Cell Cancers

Lip, Oral Cavity, Oropharynx, Hypopharynx, Glottic Larynx, Supraglottic Larynx, Ethmoid Sinus, Maxillary Sinus, Occult Primary

Primary Systemic Therapy + Concurrent Radiotherapy

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cisplatin	100	1	Q3W	3 with RT	1, 2

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cetuximab	400* → 250	1	QW	8	3

*1st dose 400 mg/m² then followed by 250 mg/m²

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Carboplatin	70	1-4	Q3W	3 with RT	4
5-FU	600	1-4	Q3W	3 with RT	

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Carboplatin	70	1-5	Q4W	2 with RT	5
5-FU	600	1-5	Q4W	2 with RT	

藥品名 ^{*(S)}	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
5-FU	800	1-5	Q2W	6 with RT	6
Hydroxyurea	1g PO Q12H	11 doses	Q2W	6 with RT	

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Paclitaxel	30	1	QW	7	6
Cisplatin	20	2	QW	7	

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Paclitaxel	175	1	Q3W	Min 6	18
Cisplatin	75	1	Q3W	Min 6	

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cisplatin	100	1	Q3W	3 with RT	7
5-FU	1000*	1-5	Q3W	3 with RT	

*Continuous infusion

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cisplatin	60	1	Q2W	7 with RT	7
5-FU	800*	1-5	Q2W	7 with RT	

*Continuous infusion

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cisplatin	5*	1-4	Q4W	2 with RT	19
5-FU	250*	1-4	Q4W	2 with RT	

*Continuous infusion

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cisplatin	100	1	Q3W	Min 6	18
5-FU	1000*	1-4	Q3W	Min 6	

*Continuous infusion

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Carboplatin	100	1	QW	8	8
Paclitaxel	40	1	QW	8	

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cisplatin	40	1	QW	4	9, 10

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Carboplatin	25	1-5	QW	5 with RT	16

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cisplatin	50	1	Q2W	6	30
UFUR	800 mg* PO QD	1-14	Q2W	6	
Leucovorin	60 mg PO QD	1-14	Q2W	6	

*Or 300 mg/m²

Postoperative Chemoradiation

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cisplatin	75-100	1	Q3W	3 with RT	11-13, 15, 31

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cisplatin	30*	1	QW	6	14, 31

*50 mg for 7-9 cycles with RT

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cetuximab	400* → 250	1	QW	#	20
Cisplatin	30	1	QW	#	

*1st dose 400 mg/m² then followed by 250 mg/m²
#1st cycle before RT and continued cycles during RT

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cetuximab	400* → 250	1	QW	#	20
Docetaxel	15	1	QW	#	

*1st dose 400 mg/m² then followed by 250 mg/m²
#1st cycle before RT and continued cycles during RT

Induction/Sequential Chemotherapy

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Docetaxel	75	1	Q3W	3-4	22, 24
Cisplatin	75	1	Q3W	3-4	
5-FU	750	1-5	Q3W	3-4	

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Docetaxel	75	1	Q3W	3	23
Cisplatin	100	1	Q3W	3	
5-FU	1000*	1-4 [#]	Q3W	3	

*Continuous infusion for 24 h

[#]May extend to day 5 if tolerable

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Paclitaxel	175	1	Q3W	3	25
Cisplatin	100	2	Q3W	3	
5-FU	500	2-6	Q3W	3	

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cetuximab	400 → 250	1	QW	6	8, 32
Paclitaxel	135	1	QW	6	
Carboplatin	AUC 2	1	QW	6	

*1st dose 400 mg/m² then followed by 250 mg/m²

Following induction, agents to be used with concurrent chemoradiation typically include weekly carboplatin or cisplatin or cetuximab

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cisplatin	100	1	Q3W	3 with RT	26

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Carboplatin	AUC 1.5	1	QW	7	27

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cetuximab	400* → 250	1	QW	7 with RT	28

*1st dose 400 mg/m² then followed by 250 mg/m²

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cisplatin	50	1	Q2W	6	29
UFUR	800 mg* PO QD	1-14	Q2W		
Leucovorin	60 mg PO QD	1-14	Q2W		

*Or 300 mg/m²

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Recurrent, Unresectable, or Metastatic (incurable) Disease

First-line Therapy

Combination Therapy

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cetuximab	400* → 250	1	QW		1
Cisplatin	100	1	Q3W	Max 6	
5-FU	1000	1-4	Q3W	Max 6	

*1st dose 400 mg/m² then followed by 250 mg/m²

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cetuximab	400* → 250	1	QW		1
Carboplatin	AUC 5	1	Q3W	Max 6	
5-FU	1000	1-4	Q3W	Max 6	

*1st dose 400 mg/m² then followed by 250 mg/m²

Immunotherapy

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Pembrolizumab	200 mg	1	Q3W	34 (24 mo)	18
Cisplatin	100	1	Q3W	6	
5-FU	1000	1-4	Q3W	6	

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Pembrolizumab	200 mg	1	Q3W	34 (24 mo)	18
Carboplatin	AUC 5	1	Q3W	6	
5-FU	1000	1-4	Q3W	6	

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Pembrolizumab	200 mg	1	Q3W	34 (24 mo)	18, 19

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Pembrolizumab	200 mg	1	Q3W	6	2, 20
Cisplatin	75-100	1	Q3W	6	
Paclitaxel	175	1	Q3W	6	

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Pembrolizumab	200 mg	1	Q3W	6	2, 20
Carboplatin	AUC 5	1	Q3W	6	
Paclitaxel	175	1	Q3W	6	

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Pembrolizumab	200 mg	1	Q3W	6	2, 20
Cisplatin	100	1	Q3W	6	
Docetaxel	65	1	Q3W	6	

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Pembrolizumab	200 mg	1	Q3W	6	2, 20
Carboplatin	AUC 5-6	1	Q3W	6	
Docetaxel	65	1	Q3W	6	

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Pembrolizumab	200 mg	1	Q3W		21
Cetuximab	400 → 250	1	QW		

Other Combination Therapy

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Docetaxel	65	1	Q3W		2
Carboplatin	AUC 6	1	Q3W		

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Paclitaxel	175	1	Q3W		3
Cisplatin	75	1	Q3W		

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Paclitaxel	175	1	Q3W		3
Carboplatin	AUC 6	1	Q3W		

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cetuximab	200* → 125	1	QW		4
Cisplatin	100	1	Q4W	2-6	

*1st dose 200 mg/m² then followed by 125 mg/m²

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cisplatin	100	1	Q3W	Min 6	3, 5
5-FU	1000	1-4	Q3W	Min 6	

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cetuximab	400 → 250 → 500*	1	QW → QW → Q2W*		6
Docetaxel	75	1	Q3W	4	
Cisplatin	75	1	Q3W	4	

*1st dose 400 mg/m² and 2nd dose 250 mg/m² QW then followed by 500 mg/m² Q2W

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cetuximab	400 → 250 → 500*	1	QW → QW → Q2W*		15
Docetaxel	75	1	Q3W	4	
Carboplatin	AUC 5	1	Q3W	4	

*1st dose 400 mg/m² and 2nd dose 250 mg/m² QW then followed by 500 mg/m² Q2W

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cetuximab	400* → 250	1	QW		1
Cisplatin	100	1	Q3W	Max 6	
5-FU	1000	1-4	Q3W	Max 6	

*1st dose 400 mg/m² then followed by 250 mg/m²

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cetuximab	400* → 250	1	QW		1
Carboplatin	AUC 5	1	Q3W	Max 6	
5-FU	1000	1-4	Q3W	Max 6	

*1st dose 400 mg/m² then followed by 250 mg/m²

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Paclitaxel	175	1	Q3W	2	16, 17
Cisplatin	75	1	Q3W	2	
Followed by					
Cetuximab	400* → 250	1	QW		
Cisplatin	75	1	Q3W	4	

*1st dose 400 mg/m² then followed by 250 mg/m²

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Paclitaxel	175	1	Q3W	2	16, 17
Carboplatin	AUC 6	1	Q3W	2	
Followed by					
Cetuximab	400* → 250	1	QW		
Carboplatin	AUC 6	1	Q3W	4	

*1st dose 400 mg/m² then followed by 250 mg/m²

Single Agents

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cisplatin	100	1	Q3-4W		7, 8

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Paclitaxel	80	1	QW	6	9

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Docetaxel	100	1	Q3W		10

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
5-FU	1000	1	Q3W		8

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Methotrexate	40	1	QW		11, 12

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cetuximab	400* → 250	1	QW	Min 7	13

*1st dose 400 mg/m² then followed by 250 mg/m²

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cetuximab	500	1	Q2W	2	25

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Capecitabine	1250 PO BID	1-14	Q3W	Min 2	14

Useful in Certain Circumstances

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cetuximab	400* → 250	1, 8, 15	Q4W		23
Paclitaxel	80	1, 8, 15	Q4W		

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cetuximab	500	1	Q2W		24
Docetaxel	50	1	Q2W		

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Nivolumab	3 mg/kg	1	Q2W		22
Ipilimumab	1 mg/kg	1	Q6W		

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Fam-trastuzumab deruxtecan-nxki	5.4 mg/kg	1	Q3W		26

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《鼻咽癌抗癌藥物治療指引》

Nasopharynx Carcinoma

Chemoradiation Followed by Adjuvant Chemotherapy

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cisplatin	100	1	Q3W	3 with RT	1
Followed by					
Cisplatin	80	1	Q4W	3 after RT	
5-FU	1000	1-4	Q4W	3 after RT	

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Carboplatin	AUC 6	1	Q3W	3-5 with RT	2
Followed by					
Carboplatin	AUC 5	1	Q3W	2 after RT	
5-FU	1000*	1-4	Q3W	2 after RT	

*Continuous infusion for 24 h

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cisplatin	40	1	QW	7	3

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cisplatin	50	1	Q2W	6	11
UFUR	800 mg* PO	1-14	Q2W		
Leucovorin	60 mg PO	1-14	Q2W		

*Or 300 mg/m²

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Capecitabine	650 PO BID			For 1 year	17

Reirradiation + Concurrent Systemic Therapy

For patients with HF-IMRT

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cisplatin	100	1	Q3W	3 before RT	15, 16
Gemcitabine	1000	1, 8	Q3W	3 before RT	
Followed by					
Cisplatin	40	1	QW	6 with RT	

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Carboplatin	AUC 5	1	Q3W	3 before RT	15, 16
Gemcitabine	1000	1, 8	Q3W	3 before RT	
Followed by					
Cisplatin	40	1	QW	6 with RT	

For patients with SF-IMRT

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cisplatin	100	1	Q3W	3 before RT	15, 16
5-Fu	1000	1-4	Q3W	3 before RT	
Followed by Cisplatin	40	1	QW	6 with RT	

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Carboplatin	AUC 5	1	Q3W	3 before RT	15, 16
5-Fu	1000	1-4	Q3W	3 before RT	
Followed by Cisplatin	40	1	QW	6 with RT	

Induction (Category 3)/Sequential Chemotherapy

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cisplatin	80	1	Q3W	3	14
Gemcitabine	1000	1, 8	Q3W	3	

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Docetaxel	70	1	Q3W	3	4
Cisplatin	75	1	Q3W	3	
5-FU	1000*	1-4	Q3W	3	
Followed by Cisplatin	100	1	Q3W	With RT	

*Continuous infusion for 24 h

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Docetaxel	60	1	Q3W	3	12
Cisplatin	60	1	Q3W	3	
5-FU	600	1-5	Q3W	3	
Followed by Cisplatin	100	1	Q3W	With RT	

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Docetaxel	75	1	Q3W	2	5
Cisplatin	75	1	Q3W	2	
Followed by Cisplatin	40	1	QW	With RT	

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cisplatin	100	1	Q3W	3	6
5-FU	1000*	1-4	Q3W	3	

*Continuous infusion for 24 h

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cisplatin	40	1	QW	7 during RT	7

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Epirubicin	60-75	1	Q4W	3	8
Mitomycin	10	1	Q4W	Cycle 1, 3 only	
Cisplatin	60-100	1	Q4W	3	

Adjuvant CT (post RT or CCRT completion on day 29) (category 2B)

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cisplatin	80	1	Q4W	3	9
5-FU	1000	1-4	Q4W	3	

Following induction, agents to be used with concurrent chemoradiation typically include weekly cisplatin or carboplatin

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cisplatin	40	1	QW	7	10

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Carboplatin	AUC 2	1	QW	6 (Max 7)	13

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Recurrent, Unresectable, or Metastatic (incurable) Disease

First-line Therapy

Preferred Regimens

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cisplatin	20-30*	1-3	Q3W	Max 6	5
Gemcitabine	1000	1, 8	Q3W	Max 6	

*80 mg/m² in divided doses on 3 days

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Pembrolizumab	200 mg	1	Q3W	4-6	18
Cisplatin	80	1	Q3W	4-6	
Gemcitabine	1000	1, 8	Q3W	4-6	
Followed by					
Pembrolizumab	200 mg	1	Q3W		

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Nivolumab	240 mg	1	Q3W	4-6	19
Cisplatin	80	1	Q3W	4-6	
Gemcitabine	1000	1, 8	Q3W	4-6	
Followed by					
Nivolumab	240 mg	1	Q3W		

Other Recommended Regimens

Combination Therapy

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Docetaxel	65	1	Q3W		1
Carboplatin	AUC 6	1	Q3W		

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Paclitaxel	175	1	Q3W	Min 6	2
Cisplatin	75	1	Q3W	Min 6	

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Carboplatin	AUC 6	1	Q3W	Min 6	2
Paclitaxel	175	1	Q3W	Min 6	

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cisplatin	100	1	Q3W	Min 6	2, 3
5-FU	1000*	1-4	Q3W	Min 6	

*Continuous infusion for 24 h

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cetuximab	400* → 250	1	QW	Max 8	4
Carboplatin	AUC 5	1	Q3W		

*1st dose 400 mg/m² then followed by 250 mg/m²

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Gemcitabine	1000	1, 8	Q3W	Max 8	15
Carboplatin	AUC 5	1	Q3W		

Cisplatin/gemcitabine + PD-1 inhibitor

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Pembrolizumab	200 mg	1	Q3W		16, 17
Cisplatin	80	1	Q3W	4-6	
Gemcitabine	1000	1, 8	Q3W	4-6	

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Nivolumab	240 mg	1	Q3W		16, 17
Cisplatin	80	1	Q3W	4-6	
Gemcitabine	1000	1, 8	Q3W	4-6	

Single Agents

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cisplatin	100	1	Q3-4W	Min 4	6, 7

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Carboplatin	AUC 6	1	Q3W		14

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Paclitaxel	80	1	QW	6	8

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Docetaxel	100	1	Q3W		9

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
5-FU	1000	1	Q3W		7

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Methotrexate	40	1	QW		10, 11

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Gemcitabine	1000	1, 8, 15	Q4W		12

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Capecitabine	1250 PO BID	1-14	Q3W	Min 2	13

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