



胰臟癌診療指引

Pancreatic Adenocarcinoma

胰臟癌診療指引

一、參與討論同仁

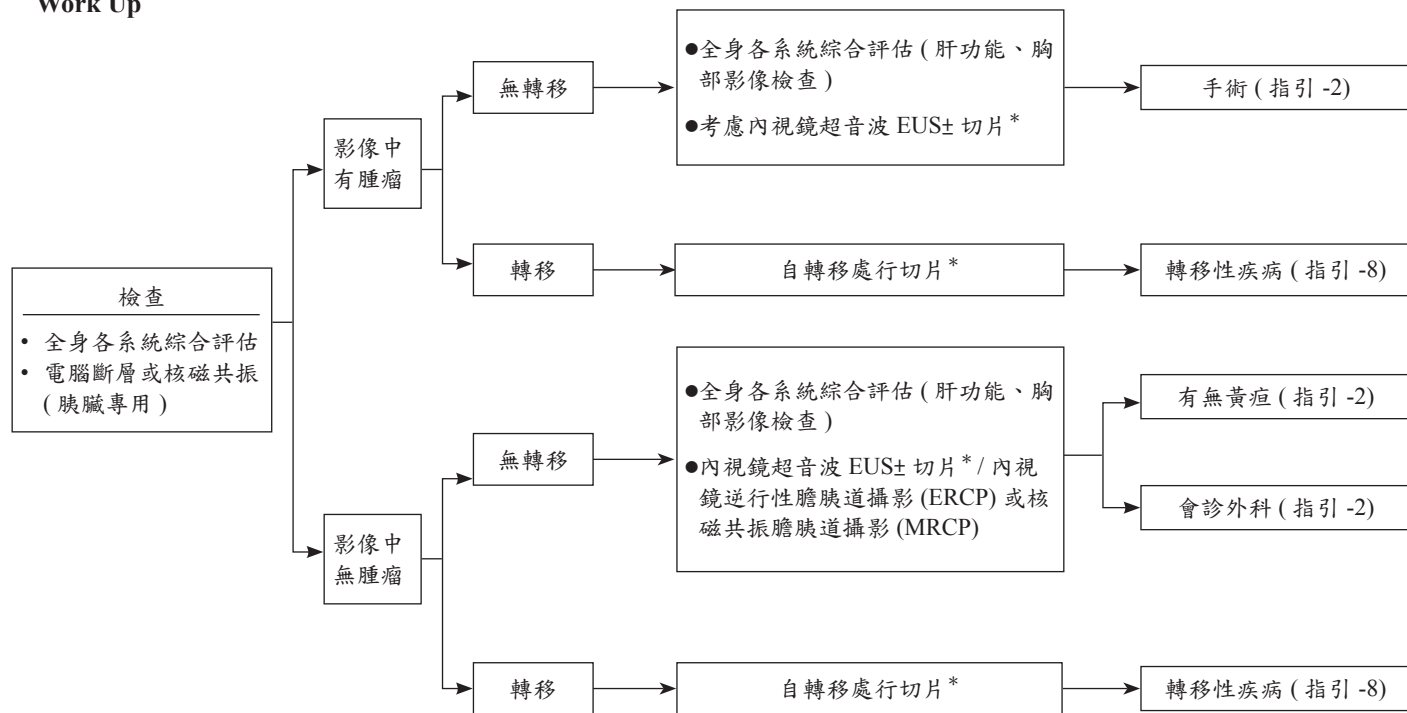
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二、討論日期：114 年 11 月 12 日

三、校稿人員：宋睿祥醫師 / 蔡吉兒個管師

《胰臟癌診療指引 - 1》

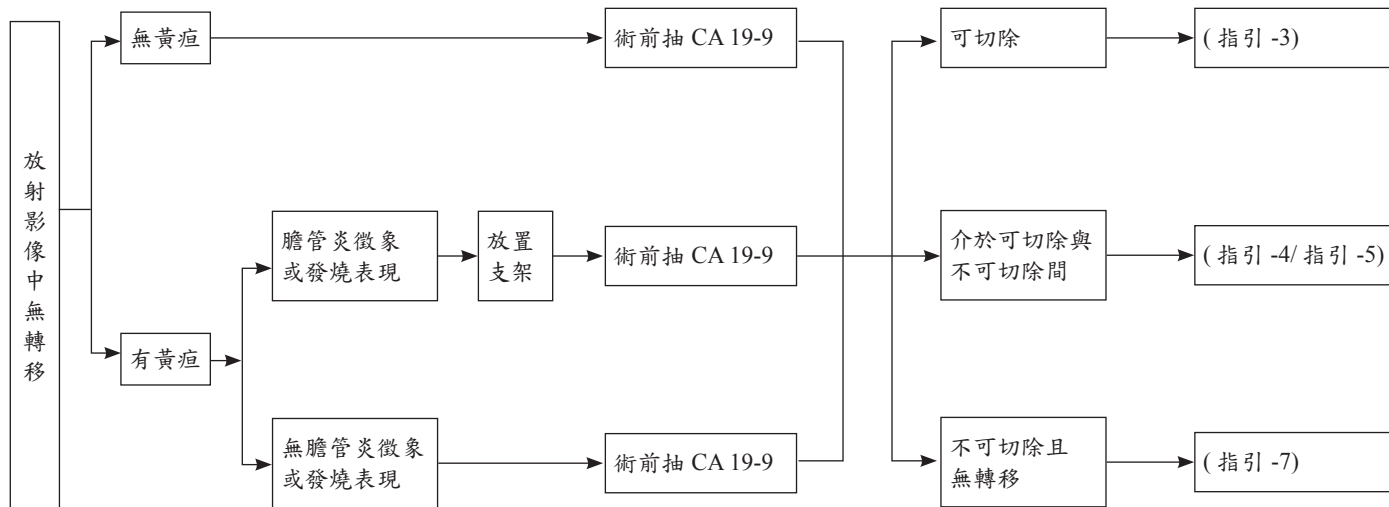
Work Up



*備註：
有組織切片時，可選擇性驗 BRCA ½、MMR、NTRK

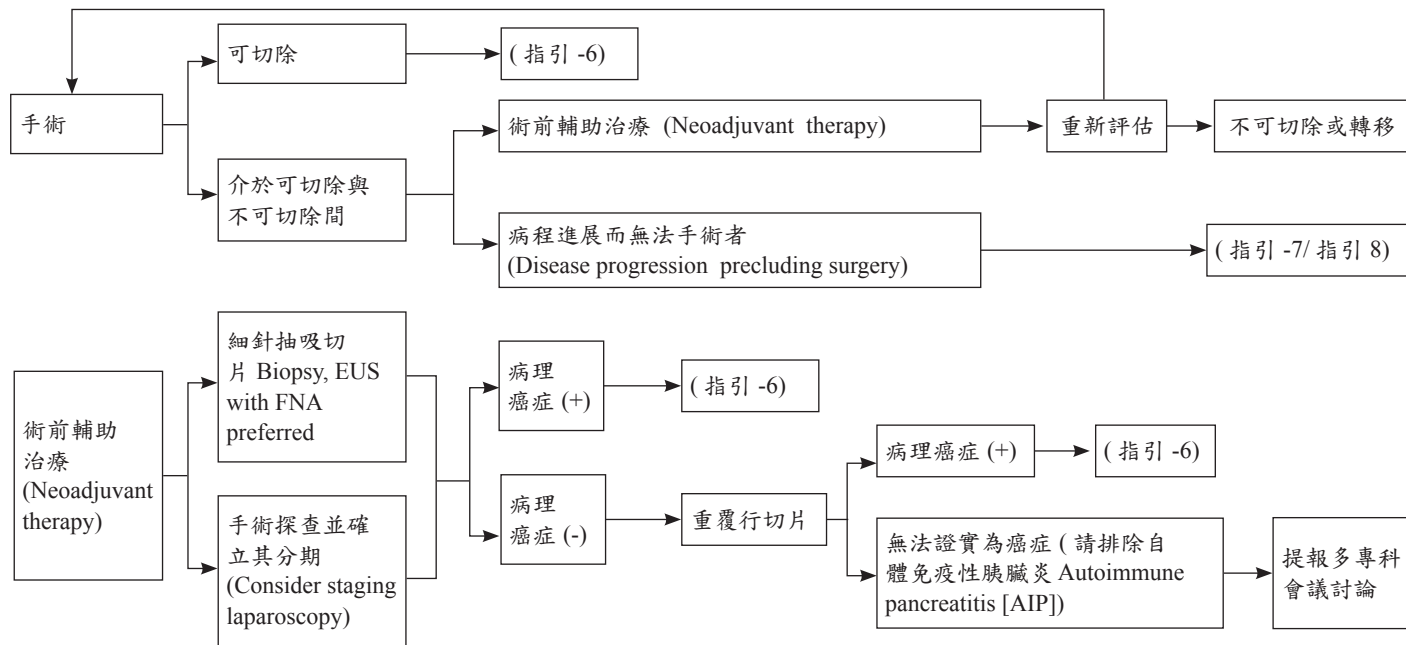
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Work Up

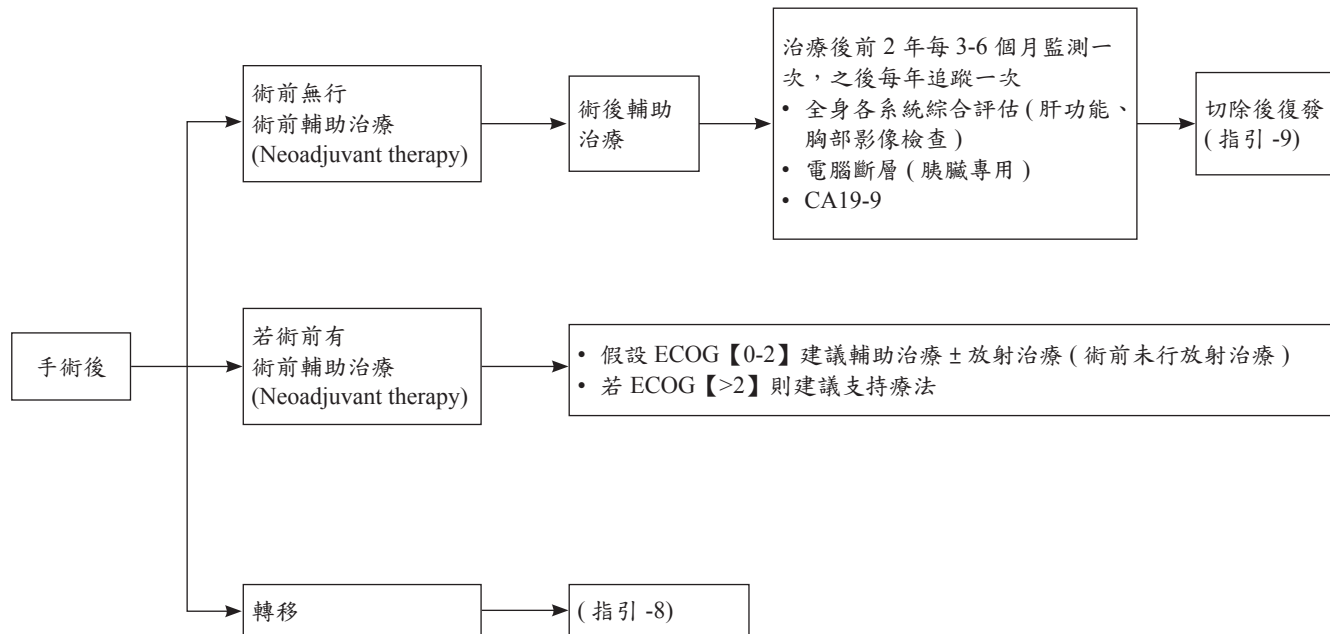


《胰臟癌診療指引 - 3 4 5》

- RESECTABLE
- BORDERLINE RESECTABLE NO METASTASES, PLANNED NEOADJUVANT THERAPY
- BORDERLINE RESECTABLE NO METASTASES, PLANNED RESECTION.

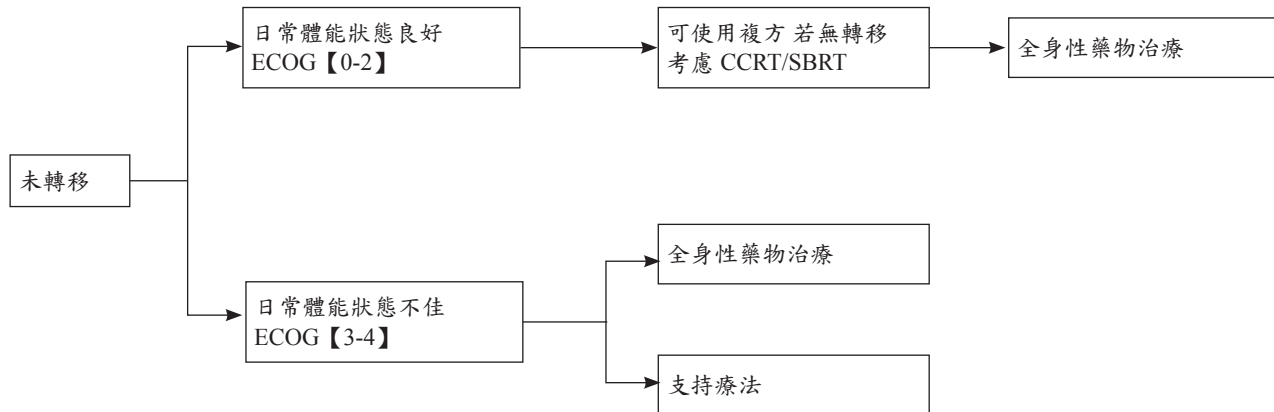


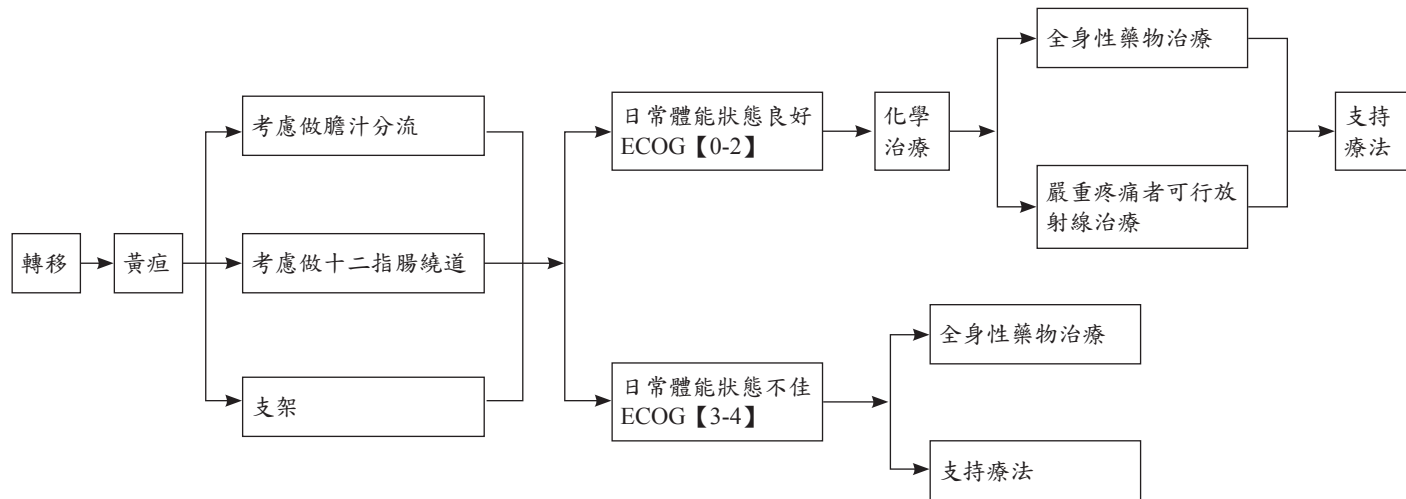
POST-OP ADJUVANT TREATMENT



《胰臟癌診療指引－7》

LOCALLY ADVANCED UNRESECTABLE





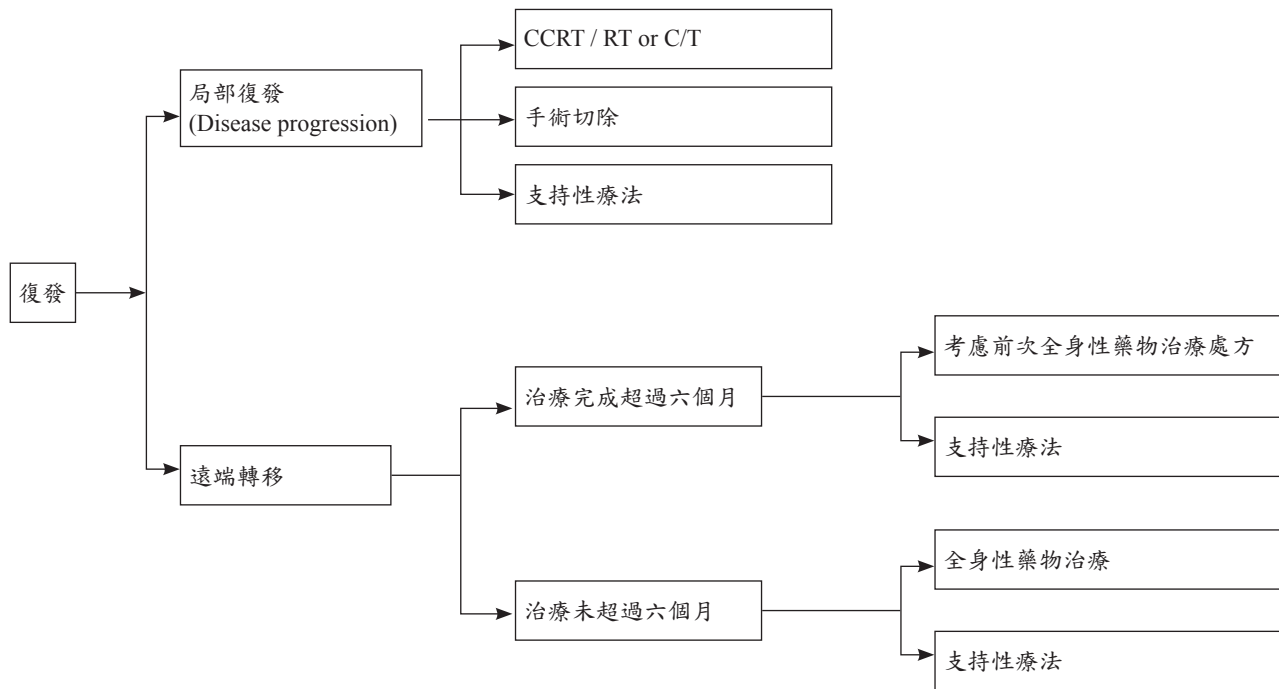
備註：

有組織切片時，可選擇性驗 BRCA ½、MMR、NTRK

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《胰臟癌診療指引－9》

RECURRENCE AFTER RESECTION



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《胰臟癌抗癌藥物治療指引》

115 年版與上一版差異

114 年版 修訂日 113/11/26	115 年版 修訂日 114/12/09
	審視無異動

《胰臟癌抗癌藥物治療指引》

Neoadjuvant Chemotherapy (±subsequent chemoradiation)

FOLFIRINOX

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Irinotecan	180	≥ 90 mins	d1	Q2W	4	1
Oxaliplatin	85	2 hrs	d1	Q2W	4	
Leucovorin	400	≥ 90 mins	d1	Q2W	4	
5-FU	400	5 mins	d1	Q2W	4	
5-FU	1200	22-24 hrs	d1-2	Q2W	4	

modified FOLFIRINOX

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Irinotecan	150 [#]	≥ 90 mins	d1	Q2W	4	2
Oxaliplatin	85	2 hrs	d1	Q2W	4	
Leucovorin	400	≥ 90 mins	d1	Q2W	4	
5-FU	1200	22-24 hrs	d1-2	Q2W	4	

[#] 團隊共識

Gemcitabine + Nab Paclitaxel

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Gemcitabine	1000	30 mins	d1, 8, 15	Q4W	2-4	3
Nab-Paclitaxel	125	≤ 30 mins	d1, 8, 15	Q4W	2-4	

Gemcitabine + Cisplatin

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Gemcitabine	1000	30 mins	d1, 8	Q3W	6	11
Cisplatin	35	≥ 90 mins	d1, 8	Q3W	6	

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Gemcitabine	1000	30 mins	d1, 8	Q3W	2	12
Cisplatin	60	≥ 2 hrs	d1	Q3W	2	

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Gemcitabine	800	30 mins	d1, 8	Q3W		13
Carboplatin	AUC 4	1 hr	d1	Q3W		

Only for known BRCA 1/2 or PALB2 mutation

Gemcitabine + Cisplatin

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Gemcitabine	1000	30 mins	d1, 15	Q4W	2-6	4
Cisplatin	50	≥ 2 hrs	d1, 15	Q4W	2-6	

Adjuvant Chemotherapy

Preferred regimen

modified FOLFIRINOX

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Irinotecan	150	≥ 90 mins	d1	Q2W	12	5
Oxaliplatin	85	2 hrs	d1	Q2W	12	
Leucovorin	400	≥ 90 mins	d1	Q2W	12	
5-FU	1200	22-24 hrs	d1-2	Q2W	12	

Gemcitabine + Capecitabine

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Gemcitabine	1000	30 mins	d1, 8, 5	Q4W	6	6
Capecitabine	750-1000* PO BID		d1-21	Q4W	6	

* 團隊共識

Other Recommended Regimen

Gemcitabine

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Gemcitabine	1000	30 mins	d1, 8, 15	Q4W	6	6

5 Fu + Leucovorin

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Leucovorin	20	5 mins	d1-5	Q4W	6	7
5-FU	425	5 mins	d1-5	Q4W	6	

Capecitabine

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Capecitabine	1000 PO BID	d1-14	Q3W	8	8

Gemcitabine + Cisplatin

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Gemcitabine	1000	30 mins	d1, 8	Q3W	2	12
Cisplatin	60	≥ 2 hrs	d1	Q3W	2	

Induction chemotherapy followed by chemoradiation**Gemcitabine based**

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Gemcitabine	1000	30 mins	d1, 8, 15	Q4W	2-6	9

5Fu + Leucovorin based

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Leucovorin	20	5 mins	d1-5	Q4W	6	9
5-Fu	425	5 mins	d1-5	Q4W	6	

Induction chemotherapy followed by chemoradiation followed by subsequent chemotherapy

Gemcitabine based

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Gemcitabine	1000	30 mins	d1, 8, 15	Q4-6W	1	10
Followed by radiation						
Gemcitabine	1000	30 mins	d1, 8, 15	Q4W	3-5	

5Fu + Leucovorin based

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Leucovorin	20	5 mins	d1-5	Q4W	1	10
5-Fu	425	5 mins	d1-5	Q4W	1	
Followed by CCRT						
Leucovorin	20	5 mins	d1-5	Q4W	3	
5-Fu	425	5 mins	d1-5	Q4W	3	

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Locally Advanced or Metastatic Disease

First line therapy

Preferred Regimen

FOLFIRINOX (PS 0-2)

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Irinotecan	180	≥ 90 mins	d1	Q2W	12	2
Oxaliplatin	85	2 hrs	d1	Q2W	12	
Leucovorin	400	≥ 90 mins	d1	Q2W	12	
5-FU	400	5 mins	d1	Q2W	12	
5-FU	1200	22-24 hrs	d1-2	Q2W	12	

modified FOLFIRINOX (PS 0-2)

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Irinotecan	150 [#]	≥ 90 mins	d1	Q2W	2-8	2
Oxaliplatin	85	2 hrs	d1	Q2W	2-8	
Leucovorin	400	≥ 90 mins	d1	Q2W	2-8	
5-FU	1200	22-24 hrs	d1-2	Q2W	2-8	

[#] 團隊共識

NALIRIFOX (PS 0-1)

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Liposomal Irinotecan	50	≥ 90 mins	d1	Q2W		20
Oxaliplatin	60	2 hrs	d1	Q2W		
Leucovorin	400	≥ 90 mins	d1	Q2W		
5-FU	1200	22-24 hrs	d1, 2	Q2W		

Gemcitabine + Nab Paclitaxel (PS 0-2)

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Gemcitabine	1000	30 mins	d1, 8, 15	Q4W		3
Nab-Paclitaxel	125	≤ 30 mins	d1, 8, 15	Q4W		

Only for known BRCA 1/2 or PALB2 mutation**Gemcitabine + Cisplatin (PS 0-1)**

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Gemcitabine	1000	30 mins	d1, 15	Q4W		1
Cisplatin	50	≥ 2 hrs	d1, 15	Q4W		
Followed by ± Olaparib	300 mg PO BID					10

Gemcitabine (PS 2-3)

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Gemcitabine	1000	30 mins	d1, 8, 15	Q4W		5

Gemcitabine fixed-dosing-rate (10 mg/m²/min) (PS 3)

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Gemcitabine	1000	30 mins	d1, 8, 15	Q4W		5

Capecitabine (PS 2-3)

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Capecitabine	1000 BID PO	d1-14	Q3W		14

Other Recommended Regimen

Gemcitabine + Erlotinib (PS 0-1)

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Gemcitabine	1000	30 mins	d1, 8, 15	Q4W		4
Erlotinib	100-150 mg/day PO		d1-28	Q4W		

Gemcitabine (PS 0-1)

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Gemcitabine	1000	30 mins	d1, 8, 15	Q4W		5

Gemcitabine + Capecitabine (PS 0-1)

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Gemcitabine	1000	30 mins	d1, 8, 15	Q4W		15
Capecitabine	830 BID PO		d1-21	Q4W		

Capecitabine (not for metastatic disease) (PS 0-1)

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Capecitabine	1000 BID PO	d1-14	Q3W		14

Fix-dose-rate Gemcitabine, Docetaxel, Capecitabine (GTX) (PS 0-1)

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Gemcitabine	750	≥ 75 mins	d1	Q3W		16
Docetaxel	30	1 hr	d4, 11	Q3W		
Capecitabine	750 BID PO		d1-14	Q3W		

Gemcitabine + Nab-Paclitaxel + Cisplatin (PS 0-1)

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Gemcitabine	1000	30 mins	d1, 8	Q3W		17, 18
Nab-Paclitaxel	125	≤ 30 mins	d1, 8	Q3W		
Cisplatin	25	≥ 30 mins	d1, 8	Q3W		

OFF (PS 0-1)

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Oxaliplatin	85	2 hrs	d8, 22	Q6W	2-6	24
Leucovorin	200	≥ 90 mins	d1, 8, 15, 22	Q6W	2-6	
5-FU	2000	22-24 hrs	d1, 8, 15, 22	Q6W	2-6	

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Oxaliplatin	85	2 hrs	d1	Q2W		33
Leucovorin	400	≥ 90 mins	d1	Q2W		
5-FU	1200	22-24 hrs	d1-2	Q2W		

Gemcitabine + RT for local advanced disease

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Gemcitabine	600	30 mins	d1	QW		34

CapeOx (≤ 65 years, ECOG 0-1) (PS 0-1)

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Oxaliplatin	130	2 hrs	d1	Q3W		16
Capecitabine	1000 BID PO		d1-14	Q3W		

CapeOx (> 65 years or ECOG 2) (PS 2)

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Oxaliplatin	110	2 hrs	d1	Q3W		16
Capecitabine	750 BID PO		d1-14	Q3W		

Not list in NCCN**GOLF (PS 0-1)**

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Gemcitabine	1000	90 mins	d1	Q2W		9
Oxaliplatin	85	2 hrs	d1	Q2W		
Leucovorin	120	≥ 90 mins	d1	Q2W		
5-FU	1200	22-24 hrs	d1-2	Q2W		

SOLG (PS 0-1)

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Gemcitabine	800	90 mins	d1	Q2W		13
Oxaliplatin	85	2 hrs	d1	Q2W		
Leucovorin	20 PO BID		d1-7	Q2W		
TS-1	20-40 PO BID		d1-7	Q2W		

Gemcitabine + Cisplatin/Carboplatin

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Gemcitabine	1000	30 mins	d1, 8	Q3W	6	31
Cisplatin	35	≥ 1 hr	d1, 8	Q3W	6	

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Gemcitabine	800	30 mins	d1, 8	Q3W		32
Carboplatin	AUC 4	1 hr	d1	Q3W		

Useful in Certain Circumstances

Larotrectinib NTRK gene fusion positive (PS 0-3)

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Larotrectinib	100 mg PO BID				11

Entrectinib NTRK gene fusion positive (PS 0-3)

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Entrectinib	600 mg PO QD				12

Repotrectinib NTRK gene fusion positive (PS 0-3)

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Repotrectinib	160 mg PO*				25

*160 mg PO QD for 14 days followed by 160mg BID

Pembrolizumab only for MSI-H or dMMR (PS 0-3)

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Pembrolizumab	200 mg	≥ 30 mins	d1	Q3W		8

Dabrafenib + Trametinib BRAF V600E mutation positive (PS 0-3)

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Dabrafenib	150 mg PO BID	d1			22, 23
Trametinib	2 mg PO QD	d1			

Selpercatinib (if RET gene fusionpositive) (PS 0-2)

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Selpercatinib	160 mg PO BID	d1			26

TS-1 (PS 2)

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
TS-1	40-60 mg PO BID	d1-28*	Q6W*		6

*or on d1-14, Q3W

Metastatic Disease (maintenance therapy)

Preferred Regimen

If previous platinum-based chemotherapy:

Olaparib (only for germline BRCA1/2 mutations)

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Olaparib	300 mg PO BID				27

Other Recommended Regimen

If previous first-line FOLFIRINOX:

Capecitabine

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Capecitabine	1000 PO BID	d1-14	Q3W		5

If previous first-line gemcitabine + nab-paclitaxel:

Gemcitabine (category 2B)

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Gemcitabine	1000	30 mins	d1, 8, 15	Q4W		5

Gemcitabine + nab-Paclitaxel (category 2B)

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Gemcitabine	1000	30 mins	d1, 8, 15	Q4W		21
nab-Paclitaxel	125	≤ 30 mins	d1, 8, 15			

Useful in Certain Circumstances

If previous first-line FOLFIRINOX:

5-FU + leucovorin

藥品名	劑量 mg/m ²	輸注時間	給藥日	頻率	週期	參考文獻
Leucovorin	200	≥ 90 mins	d1-2	Q2W		28
5-FU	400	5 mins	d1-2	Q2W		
5-FU	600	22-24 hrs	d1-2	Q2W		

5-FU + leucovorin + irinotecan (FOLFIRI)

藥品名	劑量 mg/m ²		給藥日	頻率	週期	參考文獻
Irinotecan	180	≥ 90 mins	d1	Q2W		29
Leucovorin	400	≥ 90 mins	d1	Q2W		
5-FU	400	5 mins	d1	Q2W		
5-FU	1200	22-24 hrs	d1-2	Q2W		

5-FU + leucovorin + oxaliplatin (FOLFOX)

藥品名	劑量 mg/m ²		給藥日	頻率	週期	參考文獻
Oxaliplatin	85	2 hrs	d1	Q2W		30
Leucovorin	400	≥ 90 mins	d1	Q2W		
5-FU	400	5 mins	d1	Q2W		
5-FU	1200	22-24 hrs	d1-2	Q2W		

Prior platinum-based therapy:**Rucaparib (for germline or somatic BRCA1/2 or PALB2 mutations)**

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Rucaparib	600 mg PO BID				19

For patients who did not have disease progression following their most recent platinum-based chemotherapy

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《胰臟癌放射治療共識》

一、治療範圍

1. 胰臟腫瘤及其附屬淋巴結區域

二、治療劑量 / 次數

▲常規治療：

同步放射化學治療：45-56Gy, 1.8-2.2Gy/Fx

立體定位放射手術：30-50Gy 分成 3-5 次治療

三、治療方式：

使用立體順型與強度調控放射治療技術，可考慮搭配影像導引治療，治療選擇可使用同步照射高與低危險部位的方式或先給予整個照射部位部份劑量照射後，再針對高危險部位加強劑量。

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