《乳癌抗癌藥物治療指引》

115 年版與上一版差異：

114 年版 修訂日 113/11/11	115 年版 修訂日 114/11/03
Chemotherapy as Primary or Adjuvant Therapy (HER2-NEGATIVE)	Chemotherapy as Primary, Neoadjuvant, or Adjuvant Therapy (HER2-NEGATIVE) ■ 新增 Tegafur/Gimeracil/Oteracil potassium
Chemotherapy for Recurrent or Metastatic Breast Cancer (HER2-NEGATIVE)	Chemotherapy for Recurrent or Metastatic Breast Cancer (HER2-NEGATIVE) ■ 新增 Tegafur/Uracil + Leucovorin

《乳癌抗癌藥物治療指引》

Chemotherapy as Primary, Neoadjuvant, or Adjuvant Therapy (HER2-POSTIVE)

Preferred Regimens

● The dosages of IV Trastuzumab are presents as [initial → maintenance] mg/kg

★ Trastuzumab may be used in single SC form at fixed dose of 600 mg Q3W; Trastuzumab and Pertuzumab may be used in combination SC form with a loading dose of 600/1200 mg, followed by a maintenance dose of 600/600 mg

Preferred Regimens

AC followed by Paclitaxel with Trastuzumab ± Pertuzumab

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Doxorubicin	60	≥ 30 mins	d1	Q3W	4	1, 6
Cyclophosphamide	600	30 mins	d1	Q3W	4	
Followed by						
Trastuzumab ★	8 → 6 mg/kg*	90 → 30 mins	d1	Q3W	17	
± Pertuzumab ★	840 → 420 mg	90 → 30 mins	d1	Q3W	17	
Paclitaxel	175#	≥ 3 hrs	d1	Q3W	4	

*or 4 → 2 mg/kg on d1, 8, 15 with Q3W (weekly trastuzumab)

#or 80 mg/m2 infusion ≥ 1 hr on d1, 8, 15 with Q3W (weekly paclitaxel)

EC followed by Docetaxel with Trastuzumab ± Pertuzumab

藥品名	劑量 mg/m²	輸注時間	給藥日	頻率	週期	參考文獻
Epirubicin	90	≥ 30 mins	d1	Q3W	4	6, 13
Cyclophosphamide	600	30 mins	d1	Q3W	4	
Followed by						
Trastuzumab ★	8 → 6 mg/kg*	90 → 30 mins	d1	Q3W	17	
± Pertuzumab ★	840 → 420 mg	90 → 30 mins	d1	Q3W	17	
Docetaxel	75	1 hr	d1	Q3W	4	

*or 4 → 2 mg/kg on d1, 8, 15 with Q3W (weekly trastuzumab)

Dose-dense AC followed by Paclitaxel with Trastuzumab

藥品名	劑量 mg/m²	輸注時間	給藥日	頻率	週期	參考文獻
Doxorubicin	60	≥ 30 mins	d1	Q2W	4	2
Cyclophosphamide	600	30 mins	d1	Q2W	4	
Followed by						
Trastuzumab ★	4 → 2 mg/kg*	90 → 30 mins	d1, 8	Q2W	26	
Paclitaxel	175	≥ 3 hrs	d1	Q2W	4	

TCH

藥品名	劑量 mg/m²	輸注時間	給藥日	頻率	週期	參考文獻
Trastuzumab ★	8 → 6 mg/kg*	90 → 30 mins	d1	Q3W	6	3
Docetaxel	75	1 hr	d1	Q3W	6	
Carboplatin	AUC 6	1 hr	d1	Q3W	6	
Followed by						
Trastuzumab ★	6 mg/kg	30 mins	d1	Q3W	11	

*or 4 → 2 mg/kg on d1, 8, 15 with Q3W (weekly trastuzumab)

TCH ± Pertuzumab

藥品名	劑量 mg/m²	輸注時間	給藥日	頻率	週期	參考文獻
Trastuzumab ★	8 → 6 mg/kg	90 → 30 mins	d1	Q3W	17	4
± Pertuzumab ★	840 → 420 mg	90 → 30 mins	d1	Q3W	17	
Docetaxel	75	1 hr	d1	Q3W	6	
Carboplatin	AUC 6	1 hr	d1	Q3W	6	

Trastuzumab + Pertuzumab + Neratinib

藥品名	劑量 mg/m²	輸注時間	給藥日	頻率	週期	參考文獻
Trastuzumab ★	8 → 6 mg/kg	90 → 30 mins	d1	Q3W	17	7
± Pertuzumab ★	840 → 420 mg	90 → 30 mins	d1	Q3W	17	
Followed by						
± Neratinib	240 mg PO QD				1 year	8

T-DM1

藥品名	劑量 mg/m²	輸注時間	給藥日	頻率	週期	參考文獻
T-DM1	3.6 mg/kg	90 mins	d1	Q3W	14	7

Other Regimens

AC followed by Docetaxel with Trastuzumab ± Pertuzumab

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Doxorubicin	60	≥ 30 mins	d1	Q3W	4	3
Cyclophosphamide	600	30 mins	d1	Q3W	4	
Followed by						
Trastuzumab ★	8 → 6 mg/kg	90 → 30 mins	d1	Q3W	17	
± Pertuzumab ★	840 → 420 mg	90 → 30 mins	d1	Q3W	17	
Docetaxel	80-100	1 hr	d1	Q3W	4	

*or 4 → 2 mg/kg on d1, 8, 15 with Q3W (weekly trastuzumab)

Paclitaxel + Trastuzumab (APT trial)

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Trastuzumab ★	4 → 2 mg/kg*	90 → 30 mins	d1, 8, 15	Q3W	4	5
Paclitaxel	80#	≥ 1 hr	d1, 8, 15	Q3W	4	
Followed by						
Trastuzumab ★	2 mg/kg	30 mins	d1, 8, 15	Q3W	13	

*or 8 → 6 mg/kg on d1 Q3W

#or 175 mg/m2 infusion ≥ 3 hrs on d1 with Q3W

TC + Trastuzumab

藥品名	劑量 mg/m²	輸注時間	給藥日	頻率	週期	參考文獻
Trastuzumab ★	8 → 6 mg/kg	90 → 30 mins	d1	Q3W	4	6
Docetaxel	75	1 hr	d1	Q3W	4	
Cyclophosphamide	600	30 mins	d1	Q3W	4	
Followed by						
Trastuzumab ★	6 mg/kg	30 mins	d1	Q3W	13	

*or 4 → 2 mg/kg on d1, 8, 15 with Q3W (weekly trastuzumab)

Paclitaxel + Trastuzumab + Pertuzumab

藥品名	劑量 mg/m²	輸注時間	給藥日	頻率	週期	參考文獻
Trastuzumab ★	8 → 6 mg/kg	90 → 30 mins	d1	Q3W	4	11
Pertuzumab ★	840 → 420 mg	90 → 30 mins	d1	Q3W	4	
Paclitaxel	80	≥ 1 hr	d1, 8, 15	Q3W	4	

Neratinib (adjuvant setting only)

藥品名	劑量 mg/m²	給藥日	頻率	週期	參考文獻
	120 mg PO	d1-7			
Neratinib	160 mg PO	d8-14	Q4W	1	9
	240 mg PO	d15-28			
Followed by					
Neratinib	240 mg PO	d1-28	Q4W	12	

T-DM1 (adjuvant setting only)

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
T-DM1	3.6 mg/kg	90 mins	d1	Q3W	17	10

Paclitaxel + Carboplatin + Trastuzumab + Pertuzumab

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Trastuzumab ★	8 → 6 mg/kg	90 → 30 mins	d1	Q3W	17	12
Pertuzumab ★	840 → 420 mg	90 → 30 mins	d1	Q3W	17	
Paclitaxel	80	≥ 1 hr	d1, 8	Q3W	9	
Carboplatin	AUC 6*	1 hr	d1	Q3W	9	

* or AUC 3 on d1 ,8 Q3W

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Chemotherapy as Primary, Neoadjuvant, or Adjuvant Therapy (HER2-NEGATIVE)

Preferred Regimens

EC followed by Docetaxel

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Epirubicin	90	≥ 30 mins	d1	Q3W	4	27
Cyclophosphamide	600	30 mins	d1	Q3W	4	
Followed by						
Docetaxel	75	1 hr	d1	Q3W	4	

EC followed by Docetaxel

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Epirubicin	90	≥ 30 mins	d1	Q3W	4	28
Cyclophosphamide	600	30 mins	d1	Q3W	4	
Followed by						
Paclitaxel	175	≥ 3 hrs	d1	Q3W	4	

Dose-dense AC followed by Paclitaxel

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Doxorubicin	60	≥ 30 mins	d1	Q2W	4	1
Cyclophosphamide	600	30 mins	d1	Q2W	4	
Followed by						
Paclitaxel	175*	≥ 3 hrs	d1	Q2W	4	

*or 80 mg/m2 on d1, 8 with Q2W with 6 cycles (weekly paclitaxel)

TC

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Docetaxel	75	≥ 30 mins	d1	Q3W	4	2
Cyclophosphamide	600	30 mins	d1	Q3W	4	

For High-risk triple-negative breast cancer (TNBC)

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	4	22
Paclitaxel	80	≥ 1 hr	d1, 8, 15	Q3W	4	
Carboplatin	AUC 5	1 hr	d1	Q3W	4	
Followed by						
Pembrolizumab	200 mg	≥ 30 mins	d1	Q3W	4	
Doxorubicin*	60*	≥ 30 mins	d1	Q3W	4	
Cyclophosphamide	600	30 mins	d1	Q3W	4	
Followed by						
Pembrolizumab	200 mg	≥ 30 mins	d1	Q3W	9	

*may be transferred to Epirubicin 90 mg/m^2

藥品名	劑量 mg/m^2	給藥日	頻率	週期	參考文獻
Capecitabine	1000-1250 PO BID	d1-14	Q3W	6-8	18

(If triple-negative breast cancer and residual disease after preoperative therapy with taxane, alkylator, and anthracycline based chemotherapy)

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		Q4W	For 1 year	23

Useful in certain circumstances

Dose-dense AC

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Doxorubicin	60	≥ 30 mins	d1	Q2W	4	1
Cyclophosphamide	600	30 mins	d1	Q2W	4	

AC

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Doxorubicin	60	≥ 30 mins	d1	Q3W	4	3
Cyclophosphamide	600	30 mins	d1	Q3W	4	

TAC

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Docetaxel	75	1 hr	d1	Q3W	6	4
Doxorubicin	60	≥ 30 mins	d1	Q3W	6	
Cyclophosphamide	500	30 mins	d1	Q3W	6	

TEC

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Docetaxel	75	1 hr	d1	Q3W	6	14
Epirubicin	75	≥ 30 mins	d1	Q3W	6	
Cyclophosphamide	500	30 mins	d1	Q3W	6	

FAC

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
5-FU	500	30 mins	d1, 8 or d1, 4	Q3W	6	5, 6
Doxorubicin	50	≥ 30 mins	d1	Q3W	6	
Cyclophosphamide	500	30 mins	d1	Q3W	6	

CEF

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Cyclophosphamide	500	30 mins	d1, 8	Q3W	6	7
Epirubicin	80	≥ 30 mins	d1, 8	Q3W	6	
5-FU	500	30 mins	d1, 8	Q3W	6	

CMF

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Cyclophosphamide	100 PO		d1-14	Q4W	6	8
Methotrexate	40	10 mins	d1, 8	Q4W	6	
5-FU	600	10 mins	d1, 8	Q4W	6	

AC followed by Docetaxel

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Doxorubicin	60	≥ 30 mins	d1	Q3W	4	9
Cyclophosphamide	600	30 mins	d1	Q3W	4	
Followed by						
Docetaxel	80-100	1 hr	d1	Q3W	4	

AC followed by Paclitaxel

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Doxorubicin	60	≥ 30 mins	d1	Q3W	4	10
Cyclophosphamide	600	30 mins	d1	Q3W	4	
Followed by						
Paclitaxel	175*	≥ 3 hrs	d1	Q3W	4	

*or 80 mg/m2 infusion ≥ 1 hr on d1, 8, 15 with Q3W (weekly paclitaxel)

EC

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Epirubicin	90-100	≥ 30 mins	d1	Q3W	4	11
Cyclophosphamide	600	30 mins	d1	Q3W	4	

LC followed by Docetaxel

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Lipo-Doxorubicin	40	2 hrs	d1	Q3W	4	29
Cyclophosphamide	600	30 mins	d1	Q3W	4	
Followed by						
Docetaxel	75	1 hr	d1	Q3W	4	

FEC followed by Docetaxel

藥品名	劑量 mg/m²	輸注時間	給藥日	頻率	週期	參考文獻
5-FU	500	30 mins	d1	Q3W	3	12
Epirubicin	100	≥ 30 mins	d1	Q3W	3	
Cyclophosphamide	500	30 mins	d1	Q3W	3	
Followed by						
Docetaxel	100	1 hr	d1	Q3W	3	

FEC followed by weekly Paclitaxel

藥品名	劑量 mg/m²	輸注時間	給藥日	頻率	週期	參考文獻
5-FU	600	30 mins	d1	Q3W	4	13
Epirubicin	90	≥ 30 mins	d1	Q3W	4	
Cyclophosphamide	600	30 mins	d1	Q3W	4	
Followed by						
3 Weeks no treatment						
Followed by						
Paclitaxel	100	≥ 3 hrs	d1	QW	8	

FLC

藥品名	劑量 mg/m²	輸注時間	給藥日	頻率	週期	參考文獻
5-FU	500	30 mins	d1	Q3W	6	17
Lipo-Doxorubicin	35-40	2 hrs	d1	Q3W	6	
Cyclophosphamide	500	30 mins	d1	Q3W	6	

Cisplatin + Docetaxel (Triple negative)

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Cisplatin	60	≥ 4 hrs	d1			15, 16
Docetaxel	60	1 hr	d1			

Carboplatin + Docetaxel (Triple negative)

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Carboplatin	AUC 6	1 hr	d1	Q3W		19, 20
Docetaxel	75	1 hr	d1	Q3W		

Weekly Paclitaxel + Carboplatin

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Paclitaxel	80	≥ 1 hr	d1, 8, 15	Q3W	4	21
Carboplatin	AUC 6	1 hr	d1	Q3W	4	

Weekly Paclitaxel + weekly Carboplatin (Triple negative)

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Paclitaxel	80	≥ 1 hr	d1, 8, 15	Q3W	6	24, 25
Carboplatin	AUC 1.5-2	≥ 30 mins	d1, 8, 15	Q3W	6	

Weekly Paclitaxel + weekly Carboplatin (Triple negative)

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Paclitaxel	80	≥ 1 hr	d1, 8, 15	Q3W	6	24, 25
Carboplatin	AUC 1.5-2	≥ 30 mins	d1, 8, 15	Q3W	6	

Capecitabine (maintenance therapy for TNBC after adjuvant chemotherapy)

藥品名	劑量 mg/m^2	給藥日	頻率	週期	參考文獻
Capecitabine	650 PO BID	d1-28	Q4W	1 year	26

Tegafur/Gimeracil/Oteracil (TS-1) (adjuvant)

藥品名	劑量 mg/m^2	給藥日	頻率	週期	參考文獻
Tegafur/Gimeracil/ Oteracil (TS-1)	60-100 mg/day* PO	d1-14	Q3W	17 (1 year)	30

* BSA<1.25: 60 mg/day; BSA 1.25~<1.5: 80 mg/day; BSA ≥ 1.5: 100 mg/day

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Adjuvant Endocine Therapy

Anti-estrogen

藥品名	劑量 mg/m²	給藥日	頻率	週期	參考文獻
Tamoxifen	20 mg PO QD				1

Aromatase inhibitor

藥品名	劑量 mg/m²	給藥日	頻率	週期	參考文獻
Exemestane	25 mg PO QD				2

藥品名	劑量 mg/m²	給藥日	頻率	週期	參考文獻
Anastrozole	1 mg PO QD				3

藥品名	劑量 mg/m²	給藥日	頻率	週期	參考文獻
Letrozole	2.5 mg PO QD				4

Ovarian suppression or ablation

藥品名	劑量 mg/m²	給藥日	頻率	週期	參考文獻
Goserelin	3.6 mg SC*	1	Q4W*		5

*or 10.8mg SC Q3M

藥品名	劑量 mg/m²	給藥日	頻率	週期	參考文獻
Leuprolide	3.75 mg SC*	1	Q4W*		6

* or 11.25 mg SC Q3M

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4. Product Information: Femara oral tablets, letrozole oral tablets. Novartis Pharmaceuticals Corporation, East Hanover, NJ, 2010.
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Chemotherapy for Recurrent or Metastatic Breast Cancer

HER2-NEGATIVE

Preferred Single Agents

Anthacyclins

藥品名	劑量 mg/m²	輸注時間	給藥日	頻率	週期	參考文獻
Doxorubicin	60-75	≥ 30 mins	d1	Q3W	7	1

藥品名	劑量 mg/m²	輸注時間	給藥日	頻率	週期	參考文獻
Doxorubicin	20	≥ 10 mins	d1	QW		2

藥品名	劑量 mg/m²	輸注時間	給藥日	頻率	週期	參考文獻
Lipo-Doxorubicin	50	2 hrs	d1	Q4W		3

Taxanes

藥品名	劑量 mg/m²	輸注時間	給藥日	頻率	週期	參考文獻
Paclitaxel	175	≥ 3 hrs	d1	Q3W		4

藥品名	劑量 mg/m²	輸注時間	給藥日	頻率	週期	參考文獻
Paclitaxel	80	≥ 1 hr	d1	QW		5

Antimetabolites

藥品名	劑量 mg/m²	給藥日	頻率	週期	參考文獻
Capecitabine	1000-1250 PO BID	d1-14	Q3W	6	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	800-1200	30 mins	d1, 8, 15	Q4W		7

藥品名	劑量 mg/m^2	給藥日	頻率	週期	參考文獻
Tegafur/Uracil	100 PO TID	d1-28	Q35D		62
Leucovorin	15 PO TID	d1-28	Q35D		

Other microtubule inhibitors

藥品名	劑量 mg/m^2		給藥日	頻率	週期	參考文獻
Vinorelbine	25	30 mins	d1	QW		8

藥品名	劑量 mg/m^2		給藥日	頻率	週期	參考文獻
Eribulin	1.4	5 mins	d1, 8	Q3W		9

PARP inhibitors

藥品名	劑量 mg/m^2	給藥日	頻率	週期	參考文獻
Olaparib	300 mg PO BID				46

藥品名	劑量 mg/m^2	給藥日	頻率	週期	參考文獻
Talazoparib	1 mg PO QD		Q4W		47

Other Single Agents

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Carboplatin	AUC 6	1 hr	d1	Q3W-Q4W		11

(An option for patients with triple-negative tumors and germline BRCA1/2 mutation)

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Cisplatin	75	≥ 4 hrs	d1	Q3W	4	17

(An option for patients with triple-negative tumors and germline BRCA1/2 mutation)

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Fam-trastuzumab deruxtecan-nxk	5.4 mg/kg	90 mins	d1	Q3W		60

(For HER2 IHC 1+ or 2+/ISH negative)

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Sacituzumab Govitecan-hziy	10	3 hrs	d1, 8	Q3W		61

藥品名	劑量 mg/m^2	給藥日	頻率	週期	參考文獻
Cyclophosphamide	50 PO QD	d1-21	Q4W		10

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Docetaxel	60-100	1 hr	d1	Q3W	6	12, 13

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Docetaxel	35	1 hr	d1, 8, 15, 22, 29, 36	Q8W		14

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Nab-Paclitaxel	100 or 150	≤ 30 mins	d1, 8, 15	Q4W		15, 16

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Nab-Paclitaxel	260	≤ 30 mins	d1	Q3W		15

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Epirubicin	75	≥ 30 mins	d1	Q3W		18

藥品名	劑量 mg/m^2	給藥日	頻率	週期	參考文獻
Larotrectinib	100 mg BID PO				56

NTRK fusion

藥品名	劑量 mg/m^2	給藥日	頻率	週期	參考文獻
Entrectinib	600 mg QD PO				57

NTRK fusion

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		58, 59

MSI-H/dMMR and TMB-H (≥ 10 muts/mb)

Combinations

Pembrolizumab + Nab-Paclitaxe

藥品名	劑量 mg/m²	輸注時間	給藥日	頻率	週期	參考文獻
Pembrolizumab	200 mg	≥ 30 mins	d1	Q3W		55
Nab-Paclitaxel	100	≤ 30 mins	d1, 8, 15	Q4W		

TNBC, CPS ≥ 10

Pembrolizumab + Paclitaxel

藥品名	劑量 mg/m²	輸注時間	給藥日	頻率	週期	參考文獻
Pembrolizumab	200 mg	≥ 30 mins	d1	Q3W		55
Paclitaxel	80	≥ 1 hr	d1, 8, 15	Q3W		

TNBC, CPS ≥ 10

Pembrolizumab + Gemcitabine + Carboplatin

藥品名	劑量 mg/m²	輸注時間	給藥日	頻率	週期	參考文獻
Pembrolizumab	200 mg	≥ 30 mins	d1	Q3W		55
Gemcitabine	1000	30 mins	d1, 8	Q3W		
Carboplatin	AUC 2	≥ 30 mins	d1, 8	Q3W		

TNBC, CPS ≥ 10

Atezolizumab + albumin-bound paclitaxel

藥品名	劑量 mg/m²	輸注時間	給藥日	頻率	週期	參考文獻
Atezolizumab	840 mg	1 hr	d1, 15	Q4W		48
Nab-Paclitaxel	100	≤ 30 mins	d1, 8, 15	Q4W		

(An option for patients with PD-L1-positive TNBC)

Carboplatin + Docetaxel (Triple negative)

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Carboplatin	AUC 6	1 hr	d1	Q3W	6	49, 50
Docetaxel	75	1 hr	d1	Q3W	6	

Paclitaxel+Carboplatin (Triple negative)

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Paclitaxel	175-200	≥ 3 hrs	d1	Q3W		51
Carboplatin	AUC 6	1 hr	d1	Q3W		

Paclitaxel+Carboplatin (weekly)(Triple negative)

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Paclitaxel	100	≥ 3 hrs	d1, 8, 15	Q3W		52
Carboplatin	AUC 2	≥ 30 mins	d1, 8, 15	Q3W		

Albumin-bound Paclitaxel + Carboplatin (weekly) (Triple negative, preoperative setting)

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Nab-Paclitaxel	125	≤ 30 mins	d1, 8	Q3W		53
Carboplatin	AUC 2	≥ 30 mins	d1, 8	Q3W		

CAF

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Cyclophosphamide	100 PO QD		d1-14	Q4W		19
Doxorubicin	30	≥ 30 mins	d1, 8	Q4W		
5-FU	500	10-30 mins	d1, 8	Q4W		

FAC

藥品名 ※	劑量 mg/m²	輸注時間	給藥日	頻率	週期	參考文獻
5-FU	500	30 mins	d1, 8 or d1, 4	Q3W		20
Doxorubicin	50	≥ 30 mins	d1	Q3W		
Cyclophosphamide	500	30 mins	d1	Q3W		

FEC

藥品名	劑量 mg/m²	輸注時間	給藥日	頻率	週期	參考文獻
Cyclophosphamide	400	30 mins	d1, 8	Q4W	6-9	21
Epirubicin	50	≥ 30 mins	d1, 8	Q4W		
5-FU	500	30 mins	d1, 8	Q4W		

AC

藥品名	劑量 mg/m²	輸注時間	給藥日	頻率	週期	參考文獻
Doxorubicin	60	≥ 30 mins	d1	Q3W	8	22
Cyclophosphamide	600	30 mins	d1	Q3W	8	

EC

藥品名	劑量 mg/m²	輸注時間	給藥日	頻率	週期	參考文獻
Epirubicin	75	≥ 30 mins	d1	Q3W	6	23
Cyclophosphamide	600	30 mins	d1	Q3W	6	

CMF

藥品名	劑量 mg/m²	輸注時間	給藥日	頻率	週期	參考文獻
Cyclophosphamide	100 PO QD		d1-14	Q4W		24, 45
Methotrexate	40	10 mins	d1, 8	Q4W		
5-FU	600	10 mins	d1, 8	Q4W		

Docetaxel + Capecitabine

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Docetaxel	75	1 hr	d1	Q3W	6	25
Capecitabine	950 PO BID		d1-14	Q3W	6	

GT

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Paclitaxel	175	≥ 3 hrs	d1	Q3W		26
Gemcitabine	1250	30 mins	d1, 8	Q3W		

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Paclitaxel	80	≥ 1 hr	d1, 8, 15	Q4W		44
Gemcitabine	800	30 mins	d1, 8, 15	Q4W		

Gemcitabine + 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	1250	30 mins	d1, 8	Q3W		27
Carboplatin	AUC 2	≥ 30 mins	d1, 8	Q3W		

Bevacizumab + Paclitaxel

藥品名	劑量 mg/m^2		給藥日	頻率	週期	參考文獻
Bevacizumab	10 mg/kg	≥ 30 mins	d1, 8	Q4W		28
Paclitaxel	90	≥ 1 hr	d1, 8, 15	Q4W		

HER2-POSATIVE

Preferred Agents

First line

藥品名	劑量 mg/m²	輸注時間	給藥日	頻率	週期	參考文獻
Trastuzumab ★	8 → 6 mg/kg	90 → 30 mins	d1	Q3W		29
Pertuzumab ★	840 → 420 mg	90 → 30 mins	d1	Q3W		
Docetaxel	75-100	1 hr	d1	Q3W		

藥品名	劑量 mg/m²	輸注時間	給藥日	頻率	週期	參考文獻
Trastuzumab ★	8 → 6 mg/kg*	90 → 30 mins	d1	Q3W		30, 31, 33, 34
± Pertuzumab ★	840 → 420 mg	90 → 30 mins	d1	Q3W		
Paclitaxel	175#	≥ 3 hrs	d1	Q3W		

*or 4 → 2 mg/kg on d1, 8, 15 with Q3W

#or 80 mg/m2 on d1, 8, 15 with Q3W

Second line

藥品名	劑量 mg/m²	輸注時間	給藥日	頻率	週期	參考文獻
Fam-trastuzumab deruxtecan-nxk	5.4 mg/kg	90 mins	d1	Q3W		63

藥品名	劑量 mg/m²	輸注時間	給藥日	頻率	週期	參考文獻
T-DM1	3.6 mg/kg	90 mins	d1	Q3W		40

Other Agents

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Trastuzumab ★	8 → 6 mg/kg*	90 → 30 mins	d1	Q3W		31, 32
Paclitaxel	175	≥ 3 hrs	d1	Q3W		
Carboplatin	AUC 6	1 hr	d1	Q3W		

*or 4 → 2 mg/kg on d1, 8, 15 with Q3W

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Trastuzumab ★	8 → 6 mg/kg*	90 → 30 mins	d1	Q3W		31, 35, 36
Docetaxel	80-100#	1 hr	d1	Q3W		

*or 4 → 2 mg/kg on d1, 8, 15 with Q3W

#or 35 mg/m^2 on d1, 8, 15 with Q3W

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Trastuzumab ★	8 → 6 mg/kg*	90 → 30 mins	d1	Q3W		31, 37
Vinorelbine	30-35#		d1, 8	Q3W		

*or 4 → 2 mg/kg on d1, 8, 15 with Q3W

#or 25 mg/m^2 on d1, 8, 15 with Q3W

藥品名	劑量 mg/m^2	輸注時間	給藥日	頻率	週期	參考文獻
Trastuzumab ★	8 → 6 mg/kg*	90 → 30 mins	d1	Q3W		31, 33, 38, 39
Capecitabine	1000-1250		d1-14	Q3W		

*or 4 → 2 mg/kg on d1, 8, 15 with Q3W

藥品名	劑量 mg/m²	給藥日	頻率	週期	參考文獻
Lapatinib	1250 mg PO QD	d1-21	Q3W		41
Capecitabine	1000 PO BID	d1-14	Q3W		

藥品名	劑量 mg/m²	輸注時間	給藥日	頻率	週期	參考文獻
Trastuzumab ★	8 → 6 mg/kg*	90 → 30 mins	d1	Q3W		31, 43
Lapatinib	1000 mg PO QD			Q3W		

*or 4 → 2 mg/kg on d1, 8, 15 with Q3W

藥品名	劑量 mg/m²	給藥日	頻率	週期	參考文獻
Neratinib	240 mg PO QD	d1-21	Q3W		54
Capecitabine	750 PO BID	d1-14	Q3W		

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Endocrine Therapy Regimens for Recurrent or Metastatic Breast Cancer

Premenopausal

SERM

藥品名	劑量 mg/m^2	給藥日	頻率	週期	參考文獻
Tamoxifen	20 mg PO QD				1

Ovarian ablation or suppression

藥品名	劑量 mg/m^2	給藥日	頻率	週期	參考文獻
Goserelin	3.6 mg SC*	1	Q4W*		5

*or 10.8mg SC Q3M

藥品名	劑量 mg/m^2	給藥日	頻率	週期	參考文獻
Leuprolide	3.75 mg SC*	1	Q4W*		6

*or 11.25 mg SC Q3M

Aromatase inhibitor

藥品名	劑量 mg/m^2	給藥日	頻率	週期	參考文獻
Exemestane	25 mg PO QD				2

藥品名	劑量 mg/m^2	給藥日	頻率	週期	參考文獻
Anastrozole	1 mg PO QD				3

藥品名	劑量 mg/m²	給藥日	頻率	週期	參考文獻
Letrozole	2.5 mg PO QD				4

SERD

藥品名	劑量 mg/m²	給藥日	頻率	週期	參考文獻
Fulvestrant	500 mg IM	d1	Q4W		7

CDK4/6 inhibitor + AI (for Her2-negative)

藥品名	劑量 mg/m²	給藥日	頻率	週期	參考文獻
Palbociclib	125 mg PO QD	d1-21	Q4W		8
Letrozole	2.5 mg PO QD	d1-21	Q4W		

藥品名	劑量 mg/m²	給藥日	頻率	週期	參考文獻
Palbociclib	125 mg PO QD	d1-21	Q4W		8
Anastrozole	1 mg PO QD	d1-21	Q4W		

藥品名	劑量 mg/m²	給藥日	頻率	週期	參考文獻
Palbociclib	125 mg PO QD	d1-21	Q4W		8
Exemestane	25 mg PO QD	d1-21	Q4W		

藥品名	劑量 mg/m²	給藥日	頻率	週期	參考文獻
Ribociclib	600 mg PO QD	d1-21	Q4W		9
Letrozole	2.5 mg PO QD	d1-21	Q4W		

藥品名	劑量 mg/m^2	給藥日	頻率	週期	參考文獻
Ribociclib	600 mg PO QD	d1-21	Q4W		9
Anastrozole	1 mg PO QD	d1-21	Q4W		

藥品名	劑量 mg/m^2	給藥日	頻率	週期	參考文獻
Ribociclib	600 mg PO QD	d1-21	Q4W		9
Exemestane	25 mg PO QD	d1-28	Q4W		

藥品名	劑量 mg/m^2	給藥日	頻率	週期	參考文獻
Abemaciclib	150 mg PO BID				15
Letrozole	2.5 mg PO QD				

藥品名	劑量 mg/m^2	給藥日	頻率	週期	參考文獻
Abemaciclib	150 mg PO BID				15
Anastrozole	1 mg PO QD				

藥品名	劑量 mg/m^2	給藥日	頻率	週期	參考文獻
Abemaciclib	150 mg PO BID				15
Exemestane	25 mg PO QD				

CDK4/6 inhibitor + SERD

藥品名	劑量 mg/m^2	給藥日	頻率	週期	參考文獻
Palbociclib	125 mg PO QD	d1-21	Q4W		10
Fulvestrant	500 mg IM	d1, 15 → 1	Q4W		

藥品名	劑量 mg/m²	給藥日	頻率	週期	參考文獻
Palbociclib	600 mg PO QD	d1-21	Q4W		11
Fulvestrant	500 mg IM	d1, 15 → 1	Q4W		

藥品名	劑量 mg/m²	給藥日	頻率	週期	參考文獻
Abemaciclib	150 mg PO BID				16
Fulvestrant	500 mg IM	d1, 15 → 1	Q4W		

藥品名	劑量 mg/m²	給藥日	頻率	週期	參考文獻
Everolimus	10 mg PO QD				12
Exemestane	25 mg PO QD				

藥品名	劑量 mg/m²	給藥日	頻率	週期	參考文獻
Everolimus	10 mg PO QD		Q4W		13
Fulvestrant	500 IM	d1, 15 → 1	Q4W		

藥品名	劑量 mg/m²	給藥日	頻率	週期	參考文獻
Everolimus	10 mg PO QD				14
Tamoxifen	20 mg PO QD				

Inavolisib + Palbociclib + Fulvestrant

藥品名	劑量 mg/m²	給藥日	頻率	週期	參考文獻
Inavolisib	9 mg PO QD	d1-28	Q4W		20
Palbociclib	125 mg PO QD	d1-21	Q4W		
Fulvestrant	500 mg IM	d1, 15 → 1	Q4W		

Alpelisib + Fulvestrant for PIK3CA-mutated tumors

藥品名	劑量 mg/m^2	給藥日	頻率	週期	參考文獻
Alpelisib	300 mg PO QD				17
Fulvestrant	500 mg IM	d1, 15 → 1	Q4W		

Capivasertib + Fulvestrant for PIK3CA-mutated tumors or AKT1 activating mutations or PTEN alterations

藥品名	劑量 mg/m^2	給藥日	頻率	週期	參考文獻
Capivasertib	400 mg PO BID	d1-4, 8-11, 15-18, 22-25	Q4W		19
Fulvestrant	500 mg IM	d1, 15 → d1	Q4W		

Useful in certain circumstances

Abemaciclib

藥品名	劑量 mg/m^2	給藥日	頻率	週期	參考文獻
Abemaciclib	200 mg PO BID				18

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