

抗癌藥物治療指引

淋巴癌

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《淋巴癌抗癌藥物治療指引》

Hodgkin Lymphoma (Age ≥18 years)

Classical Hodgkin Lymphoma

ABVD (Doxorubicin, Bleomycin, Vinblastine, Dacarbazine) ± ISRT

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Doxorubicin	25	1, 15	Q4W	4	1-4
Bleomycin	10 unit/m ²	1, 15	Q4W	4	
Vinblastine	6	1, 15	Q4W	4	
Dacarbazine	375	1, 15	Q4W	4	

Escalated BEACOPP (Bleomycin, Etoposide, Doxorubicin, Cyclophosphamide, Vincristine, Procarbazine, Prednisone) followed by ABVD with ISRT10

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Bleomycin	10 unit/m ²	8	Q2W	2 + 2	5-6
Etoposide	200	1-3	Q2W	2 + 2	
Doxorubicin	35	1	Q2W	2 + 2	
Cyclophosphamide	1200	1	Q2W	2 + 2	
Vincristine	1.4	8	Q2W	2 + 2	
Procarbazine	100 QHS	1-7	Q2W	2 + 2	
Prednisone	40 PO QD	1-14	Q2W	2 + 2	

Nodular Lymphocyte-Predominant Hodgkin Lymphoma

ABVD (Doxorubicin, Bleomycin, Vinblastine, Dacarbazine) ± Rituximab

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Doxorubicin	25	1, 15	Q4W		7, 8
Bleomycin	10 unit/m ²	1, 15	Q4W		
Vinblastine	6	1, 15	Q4W		
Dacarbazine	375	1, 15	Q4W		
± Rituximab	375	1	Q4W		

CHOP (Cyclophosphamide, Doxorubicin, Vincristine, Prednisone) ± Rituximab

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cyclophosphamide	750	1	Q3W		9
Doxorubicin	50	1	Q3W		
Vincristine	1.4	1	Q3W		
Prednisone	40 PO	1-5	Q3W		
± Rituximab	375	1	Q3W		

CVP (Cyclophosphamide, Vinblastine, Prednisone) ± Rituximab

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cyclophosphamide	500	1	Q2-3W		10
Vinblastine	6	1, 8	Q2-3W		
Prednisone	40 PO	1-7	Q2-3W		
± Rituximab	375	1	Q2-3W		

Rituximab

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Rituximab	375	1	QW		11-15

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Systemic therapy for relapsed or refractory disease

Second-Line or Subsequent Therapy Options

CHL

DHAP (Dexamethasone, Cisplatin, high-dose Cytarabine)

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Dexamethasone	40 mg QD	1-4	Q3-4W		1, 2
Cisplatin	100	1	Q3-4W		
Cytarabine	2000 Q12H	2	Q3-4W		

ESHAP (Etoposide, Methylprednisolone, Cisplatin, high-dose Cytarabine)

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Etoposide	40	1-4	Q3-4W		3, 4, 5
Methylprednisolone	500	1-4	Q3-4W		
Cisplatin	25	1-4	Q3-4W		
Cytarabine	2000	5	Q3-4W		

Gemcitabine/Bendamustine/Vinorelbine

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Gemcitabine	800	1, 4	Q3W	4	22
Bendamustine	100	2, 3	Q3W	4	
Vinorelbine	20	1	Q3W	4	
Prednisolone	100 mg PO	1-4	Q3W	4	

GCD (Gemcitabine, Carboplatin, Dexamethasone)

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Gemcitabine	1000	1, 8	Q3W		6, 7
Carboplatin	AUC 5	1	Q3W		
Dexamethasone	40 mg	1-4	Q3W		

GVD (Gemcitabine, Vinorelbine, Lipo-Doxorubicin)

1. For transplant-naïve patients

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Gemcitabine	1000	1, 8	Q3W		8
Vinorelbine	20	1, 8	Q3W		
Lipo-Doxorubicin	15	1, 8	Q3W		

2. For post-transplant patients

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Gemcitabine	800	1, 8	Q3W		8
Vinorelbine	15	1, 8	Q3W		
Lipo-Doxorubicin	10	1, 8	Q3W		

ICE (Ifosfamide, Carboplatin, Etoposide)

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Etoposide	100	1-3	Q3W		9, 10
Carboplatin	AUC 5	2	Q3W		
Ifosfamide	5000	2	Q3W		

IGEV (Ifosfamide, Gemcitabine, Vinorelbine, Prednisolone)

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Ifosfamide	2000	1-4	Q3W		11
Gemcitabine	800	1, 4	Q3W		
Vinorelbine	20	1	Q3W		
Prednisolone	100 mg PO	1-4	Q3W		

Mini-BEAN (Carmustine, Cytarabine, Etoposide, Mephalan)

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Carmustine	60	1	Q4-6W		12, 13
Cytarabine	100	2-5	Q4-6W		
Etoposide	75	2-5	Q4-6W		
Mephalan	30	6	Q4-6W		

MINE (Etoposide, Ifosfamide, Mesna, Mitoxantrone)

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Mesna	1300	1-3	Q3-4W		14
Ifosfamide	1300	1-3	Q3-4W		
Mitoxantrone	8	1	Q3-4W		
Etoposide	65	1-3	Q3-4W		

Brentuximab vedotin (only for CHL)

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Brentuximab vedotin	1.8 mg/kg	1	Q3W		15

Brentuximab vedotin + Bendamustine

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Brentuximab vedotin	1.8 mg/kg	1	Q3W		23
Bendamustine	90 (70-90)	1, 2	Q3W		

Brentuximab vedotin + Nivolumab

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Brentuximab vedotin	1.8 mg/kg	1	Q3W		24
Nivolumab	3 mg/kg	8	Q3W	1 st	
Nivolumab	3 mg/kg	1	Q3W	2 nd ~4 th	

Additional Therapy Options: (only for CHL)

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Bendamustine	120	1, 2	Q4W		16

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Everolimus	10 mg PO QD				17

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Lenalidomide	25 mg PO QD	1-21	Q4W		18

藥品名	劑量 mg/kg	給藥日	頻率	週期	參考文獻
Nivolumab	3 mg/kg	1	Q2W		19, 20

藥品名	劑量 mg/kg	給藥日	頻率	週期	參考文獻
Pembrolizumab	10 mg/kg	1	Q2W		21

NLPHL

DHAP (Dexamethasone, Cisplatin, high-dose Cytarabine)

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
± Rituximab	375	1	Q3-4W		1, 2
Dexamethasone	40 mg QD	1-4	Q3-4W		
Cisplatin	100	1	Q3-4W		
Cytarabine	2000 Q12H	2	Q3-4W		

ESHAP (Etoposide, Methylprednisolone, Cisplatin, high-dose Cytarabine)

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
± Rituximab	375	1	Q3-4W		3, 4, 5
Etoposide	40	1-4	Q3-4W		
Methylprednisolone	500	1-4	Q3-4W		
Cisplatin	25	1-4	Q3-4W		
Cytarabine	2000	5	Q3-4W		

ICE (Ifosfamide, Carboplatin, Etoposide)

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
± Rituximab	375	1	Q3W		9, 10
Etoposide	100	1-3	Q3W		
Carboplatin	AUC 5	2	Q3W		
Ifosfamide	5000	2	Q3W		

IGEV (Ifosfamide, Gemcitabine, Vinorelbine, Prednisolone)

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
± Rituximab	375	1	Q3W		11
Ifosfamide	2000	1-4	Q3W		
Gemcitabine	800	1, 4	Q3W		
Vinorelbine	20	1	Q3W		
Prednisolone	100 mg PO	1-4	Q3W		

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Hodgkin Lymphoma (Age > 60 years)

A(B)VD ± ISRT

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Doxorubicin	25	1, 15	Q4W	#	1-4, 7
Bleomycin*	10 unit/m ²	1, 15	Q4W	#	
Vinblastine	6	1, 15	Q4W	#	
Dacarbazine	375	1, 15	Q4W	#	

* Bleomycin should be used with caution as it may not be tolerated in older adults.

A(B)VD (2 cycles) followed by AVD (4 cycles), if PET scan is negative after 2 cycles of ABVD.

If stage I-II unfavorable, consider a total of 4 cycles

CHOP ± ISRT

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cyclophosphamide	750	1	Q3W	*	5
Doxorubicin	50	1	Q3W	*	
Vincristine	1.4	1	Q3W	*	
Prednisone	40	1-5	Q3W	*	

*Stage I-II favorable disease: 4; Stage I-II favorable or III-IV: 6

PVAG (Prednisone, Vinblastine, Doxorubicin, Gemcitabine)

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Prednisone	40	1-5	Q3W	6	6
Vinblastine	6	1	Q3W	6	
Doxorubicin	50	1	Q3W	6	
Gemcitabine	1000	1	Q3W	6	

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Non-Hodgkin's Lymphoma

Diffuse Large B-Cell Lymphoma

First-line Therapy

RCHOP (Rituximab, Cyclophosphamide, Doxorubicin, Vincristine, Prednisone)

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Rituximab	375	1	Q3W	6	1-3
Cyclophosphamide	750	1	Q3W	6	
Doxorubicin	50	1	Q3W	6	
Vincristine	1.4	1	Q3W	6	
Prednisone	100 mg	1-5	Q3W	6	

Dose-dense RCHOP 14

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Rituximab	375	1	Q2W	6	4
Cyclophosphamide	750	1	Q2W	6	
Doxorubicin	50	1	Q2W	6	
Vincristine	1.4	1	Q2W	6	
Prednisone	100 mg	1-5	Q2W	6	

Dose- adjusted EPOCH + Rituximab

(Etoposide, Prednisone, Vincristine, Cyclophosphamide, Doxorubicin) + Rituximab

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Rituximab	375	1	Q3W	6-8	5, 6
Etoposide	50	1-4	Q3W	6-8	
Doxorubicin	10	1-4	Q3W	6-8	
Vincristine	0.4	1-4	Q3W	6-8	
Cyclophosphamide	750	5	Q3W	6-8	
Prednisone	60	1-5	Q3W	6-8	

First-line Therapy for Patients with Poor Left Ventricular Function

CDOP (Cyclophosphamide, Lipo-Doxorubicin, Vincristine, Prednisone) + Rituximab

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Rituximab	375	1	Q3W	6-8	7, 8
Cyclophosphamide	750	1	Q3W	6-8	
Lipo-Doxorubicin	30	1	Q3W	6-8	
Vincristine	1.4	1	Q3W	6-8	
Prednisone	60	1-5	Q3W	6-8	

RGCVP (Rituximab, Gemcitabine, Cyclophosphamide, Vincristine, Prednisone)

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Rituximab	375	1	Q3W	6	10
Cyclophosphamide	750	1	Q3W	6	
Gemcitabine	750-1000	1,8	Q3W	6	
Vincristine	1.4	1	Q3W	6	
Prednisone	100 mg	1-5	Q3W	6	

DA-EPOCH (Etoposide, Prednisone, Vincristine, Cyclophosphamide, Doxorubicin) + Rituximab

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Rituximab	375	1	Q3W	6-8	5, 6
Etoposide	50	1-4	Q3W	6-8	
Doxorubicin	10	1-4	Q3W	6-8	
Vincristine	0.4	1-4	Q3W	6-8	
Cyclophosphamide	750	5	Q3W	6-8	
Prednisone	60	1-5	Q3W	6-8	

RCEOP (Rituximab, Cyclophosphamide, Etoposide, Vincristine, Prednisone)

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Rituximab	375	1	Q3W	*	9
Cyclophosphamide	750	1	Q3W	*	
Etoposide	50	1	Q3W	*	
Etoposide	100 PO	2, 3	Q3W	*	
Vincristine	1.4	1	Q3W	*	
Prednisone	100 mg	1-5	Q3W	*	

*limited stage: 3~4, advanced stage: 6

TREC (Rituximab, Bendamustine, Etoposide, Carboplatin)

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Rituximab	375	1	Q3W	2	15
Bendamustine	90-120	1-2	Q3W	2	
Etoposide	100	1-3	Q3W	2	
Carboplatin	AUC 5	1	Q3W	2	

Patients >80 years of age with comorbidities

R-mini-CHOP

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Rituximab	375	1	Q3W	6	11
Cyclophosphamide	400	1	Q3W	6	
Doxorubicin	25	1	Q3W	6	
Vincristine	1 mg	1	Q3W	6	
Prednisone	40	1-5	Q3W	6	

R-COP

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Rituximab	375	1	Q3W		24-25
Cyclophosphamide	750	1	Q3W		
Vincristine	1.4 mg	1	Q3W		
Prednisone	100	1-5	Q3W		

RGCV (Rituximab, Gemcitabine, Cyclophosphamide, Vincristine, Prednisolone)

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Rituximab	375	1	Q3W	6	10
Cyclophosphamide	750	1	Q3W	6	
Gemcitabine	750	1, 8	Q3W	6	
Vincristine	1.4	1	Q3W	6	
Prednisone	100 mg	1-5	Q3W	6	

CDOP (Cyclophosphamide, Lipo-Doxorubicin, Vincristine, Prednisone) + Rituximab

藥品名*	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Rituximab	375	1	Q3W	6-8	7, 8
Cyclophosphamide	750	1	Q3W	6-8	
Lipo-Doxorubicin	750	1	Q3W	6-8	
Vincristine	1.4	1	Q3W	6-8	
Prednisone	60	1-5	Q3W	6-8	

Concurrent presentation with CNS disease

Parenchymal

3 g/m² or more of systemic Methotrexate given on Day 15 of a 21-day RCHOP cycle that has been supported by growth factors.

Leptomeningeal

IT methotrexate/cytarabine, consider Ommaya reservoir placement and/or systemic methotrexate (3-3.5 g/m²)

Second-line Therapy and Subsequent Therapy

(intention to proceed to high-dose therapy)

DHAP (Dexamethasone, Cisplatin, Cytarabine) ± Rituximab

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cisplatin	100	1	Q3-4W		12
Cytarabine	2000 Q12H	2	Q3-4W		
Dexamethasone	40 mg	1-4	Q3-4W		

DHAX (dexamethasone, cytarabine, oxaliplatin) ± rituximab

藥品名*	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Oxaliplatin	100	1	Q3-4W		26
Cytarabine	2000 Q12H	2	Q3-4W		
Dexamethasone	40 mg	1-4	Q3-4W		

ESHAP (Etoposide, Methylprednisolone, Cytarabine, Cisplatin) ± Rituximab

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Etoposide	40	1-4	Q3-4W		13
Methylprednisolone	500 mg	1-4	Q3-4W		
Cytarabine	2000	5	Q3-4W		
Cisplatin	25	1-4	Q3-4W		
Rituximab	375	1	Q3-4W		

GDP (Gemcitabine, Dexamethasone, Cisplatin) ± Rituximab

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Gemcitabine	1000	1, 8	Q3W		20
Dexamethasone	40 mg	1-4	Q3W		
Cisplatin	75	1	Q3W		
Rituximab	375	8	Q3W		

GDP (Gemcitabine, Dexamethasone, Cisplatin) ± Rituximab

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Gemcitabine	1000	1, 8	Q3W		14
Dexamethasone	40 mg	1-4	Q3W		
Carboplatin	5 AUC	1	Q3W		
Rituximab	375	8	Q3W		

GemOx (Gemcitabine, Oxaliplatin) ± Rituximab

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Gemcitabine	1000	2	Q2-3W		15, 23
Oxaliplatin	100	2	Q2-3W		
Rituximab	375	1	Q2-3W		

ICE (Ifosfamide, Carboplatin, Etoposide) ± Rituximab

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Etoposide	100	1-3	Q2W		12
Carboplatin	AUC 5	2	Q2W		
Ifosfamide	5000	2	Q2W		
Rituximab	375	1	Q2W		

MINE (Mesna, Ifosfamide, Mitoxatrone, Etoposide) ± Rituximab

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Mesna	1330	1-3	Q3-4W		17
Ifosfamide	1330	1-3	Q3-4W		
Mitoxantrone	8	1	Q3-4W		
Etoposide	65	1-3	Q3-4W		
Rituximab	375	1	Q3-4W		

Second-line Therapy (non-candidates for high-dose therapy)

Bendamustine ± Rituximab

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Bendamustine	120	1-2	Q3W		18
Rituximab	375	1	Q3W		

CEOP (Cyclophosphamide, Etoposide, Vincristine, Prednisone) ± Rituximab

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Cyclophosphamide	750	1	Q3W		16
Etoposide	50	1	Q3W		
Etoposide	100 PO	2-3	Q3W		
Vincristine	1.4	1	Q3W		
Prednisone	100	1-5	Q3W		
± Rituximab	375	1	Q3W		

DA-EPOCH (Etoposide, Prednisone, Vincristine, Cyclophosphamide, Doxorubicin) + Rituximab

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Rituximab	375	1	Q3W		19
Etoposide	50	1-4	Q3W		
Doxorubicin	10	1-4	Q3W		
Vincristine	0.4	1-4	Q3W		
Cyclophosphamide	750	5	Q3W		
Prednisone	60	1-5	Q3W		

GDP (Gemcitabine, Dexamethasone, Cisplatin) ± Rituximab

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Gemcitabine	1000	1, 8	Q3W		20
Dexamethasone	40 mg	1-4	Q3W		
Cisplatin	75	1	Q3W		
Rituximab	375	8	Q3W		

GDP (Gemcitabine, Dexamethasone, Cisplatin) ± Rituximab

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Gemcitabine	1000	1, 8	Q3W		14
Dexamethasone	40 mg	1-4	Q3W		
Carboplatin	AUC 5	1	Q3W		
Rituximab	375	8	Q3W		

GemOx (Gemcitabine, Oxaliplatin) ± Rituximab

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Gemcitabine	1000-1200	1, 8	Q3W		21
Oxaliplatin	100-120	2	Q3W		

GemOx (Gemcitabine, Oxaliplatin) ± Rituximab

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Rituximab	375	1	Q2W		21
Gemcitabine	1000-1200	1	Q2W		
Oxaliplatin	100-120	2	Q2W		

Gemcitabine, Vinorelbine ± Rituximab

藥品名*	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Rituximab	375	1	Q3W	6	28
Gemcitabine	1000	1, 8	Q3W	6	
Vinorelbine	30	1, 8	Q3W	6	

Lenalidomide ± Rituximab (non-GCB DLBCL)

藥品名*	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Rituximab	375	1	Q4W		27
Lenalidomide	20	1-21	Q4W		

Rituximab

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Rituximab	375	1	QW		22

*三院有個別版本

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