

淋巴癌診療指引

一、參院參與討論同仁

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三、校稿人員：蘇勇誠醫師 / 王緯婷個管師

四、107 年版與上一版差異：

106 年版	107 年修訂版
<p>何杰金氏症 -1(臨床分期：傳統何杰金氏症淋巴瘤) 臨床評估：頭部 / 胸部 / 腹部 / 骨盆腔電腦斷層 +/-PET-CT(擇一) 臨床評估</p>	<p>修訂 PET-CT 或頭頸部 + 胸部 + 腹部 + 骨盆腔電腦斷層 (擇一) 新增 臨床評估：心臟超音波 (使用 anthracyclines 類藥物)</p>
<p>何杰金氏症 -2、3、4(臨床分期：傳統何杰金氏症淋巴瘤) 臨床分期更名</p>	<p>修改 Classic Hodgkin's Lymphoma</p>
<p>何杰金氏症 - 傳統何杰金氏症淋巴瘤 穩定或疾病惡化→組織切片 (+) →治療</p>	<p>修改 2. 緩和性化療 4. Anti-CD30 單株抗體 rentuximab vedotin (自費) 5. 免疫治療 (自費) 6. 放射治療</p>
<p>何杰金氏症 -5(臨床分期：結節性淋巴結為主何杰金氏淋巴瘤) 臨床分期更名</p>	<p>修改 臨床分期：Nodular lymphocyte-predominant Hodgkin's Lymphoma</p>
<p>慢性淋巴細胞白血病 (CLL)/ 小淋巴細胞淋巴瘤 (SLL) 臨床評估：頭部 / 胸部 / 腹部 / 骨盆腔電腦斷層 +/-PET-CT(擇一)</p>	<p>修訂 頭頸部 + 胸部 + 腹部 + 骨盆腔電腦斷層或 PET-CT (視需要)</p>
<p>濾泡淋巴瘤 (Follicular Lymphoma) 臨床評估：頭部 / 胸部 / 腹部 / 骨盆腔電腦斷層 +/-PET-CT(擇一) 臨床分期：第 I-II 期及第 II 期巨大腫塊 (5cm 以上) 主要治療：無適應症路徑→觀察 主要治療：適應症→3. 局部放射治療 (緩和當時症狀) 完全反應或部分反應→追蹤</p>	<p>修訂 PET-CT 或頭頸部 + 胸部 + 腹部 + 骨盆腔電腦斷層 (擇一) 修改 7 ≥公分以上。 修改 無適應症路徑可以比照有適應症治療。 刪除 (緩和當時症狀)。 新增 追蹤 +/- 維持性單株抗體兩年。</p>

106 年版

胃黏膜淋巴組織相關淋巴瘤 (Gastric MALT lymphoma) -1

臨床檢查：討論生育問題和精子儲存

胃黏膜淋巴組織相關淋巴瘤 (Gastric MALT lymphoma) -2

整頁診療指引

瀰漫性大 B 細胞淋巴瘤 / 濾泡性淋巴瘤 Gr. III (DLBCL/FL Gr. III

臨床評估：頭部 / 胸部 / 腹部 / 骨盆腔電腦斷層 +/-PET-CT(擇一)

臨床評估

起始治療：巨大腫瘤→PR→完成 Anti-CD20 單株抗體+化學治療 total 6~8 cycles + 放射治療。

T 細胞淋巴瘤 (Cutaneous T-cell lymphoma and T-immunoblastic lymphoma are not included)

臨床評估：頭部 / 胸部 / 腹部 / 骨盆腔電腦斷層 +/-PET-CT(擇一)

aaIPI 低度 / 中低度及 aaIPI 高度 / 中高度，

aaIPI 低度 / 中低度→化學治療 x4~6 + 放射治療

ALCK,ALK(+)→疾病惡化治療

107 年修訂版

刪除 討論生育問題和精子儲存

刪除 (Gastric MALT lymphoma) -2，整頁診療指引

修訂 PET-CT 或頭頸部 + 胸部 + 腹部 + 骨盆腔電腦斷層 (擇一)

新增臨床評估：心臟超音波 (使用 anthracyclines 類藥物)

修改 +/- 放射治療

修訂 PET-CT 或頭頸部 + 胸部 + 腹部 + 骨盆腔電腦斷層 (擇一)

刪除 aa IPI 低度 / 中低度 / 高度 / 中高度。

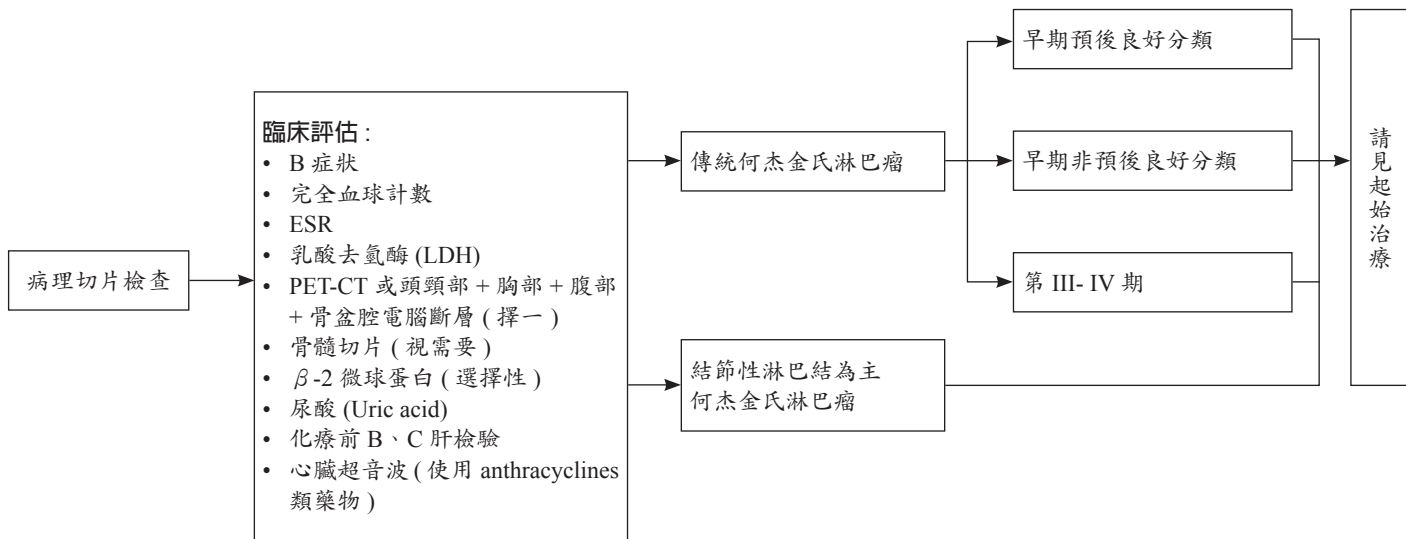
修改 化學治療 +/- 放射治療。

新增 Anti-CD30 單株抗體 (if CD30(+))

確診

臨床檢查

臨床分期

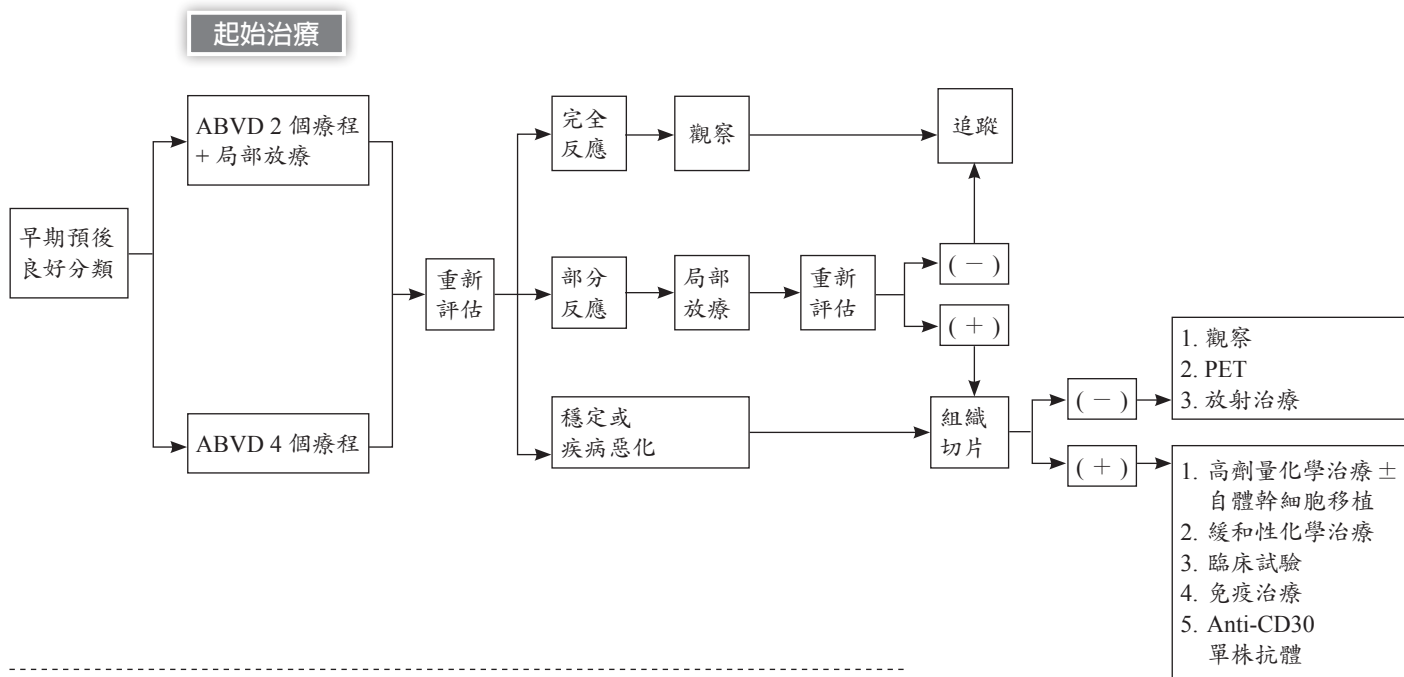


1. B symptoms : fever, night sweating, body weight loss.
2. 預後不良因子 : ESR>50, B symptoms, Nodal sites >3, bulky tumor(>10) or large mediastinum lesion(MMR>0.33).
3. Clinical trial is always an option of treatment.

《淋巴瘤診治共識》—CLASSICAL HODGKIN LYMPHOMA(CHL) 臨床分期

臨床分期	巨大腫瘤 (橫膈膜)	淋巴結數目	(ESR)
IA	No	1	<50
IB	No	1	Any
IIA, (E) lesions 沒有淋巴結外淋巴瘤	No	<3	<50
IIA ±(E) lesions 有淋巴結外淋巴瘤	No	<4	<50
	No	≥ 4 or	≥ 50
	Yes	Any	Any
IIB ± (E) lesions 有淋巴結外淋巴瘤	No	Any	Any
	Yes	Any	Any
III-IV	Yes/No	Any	Any

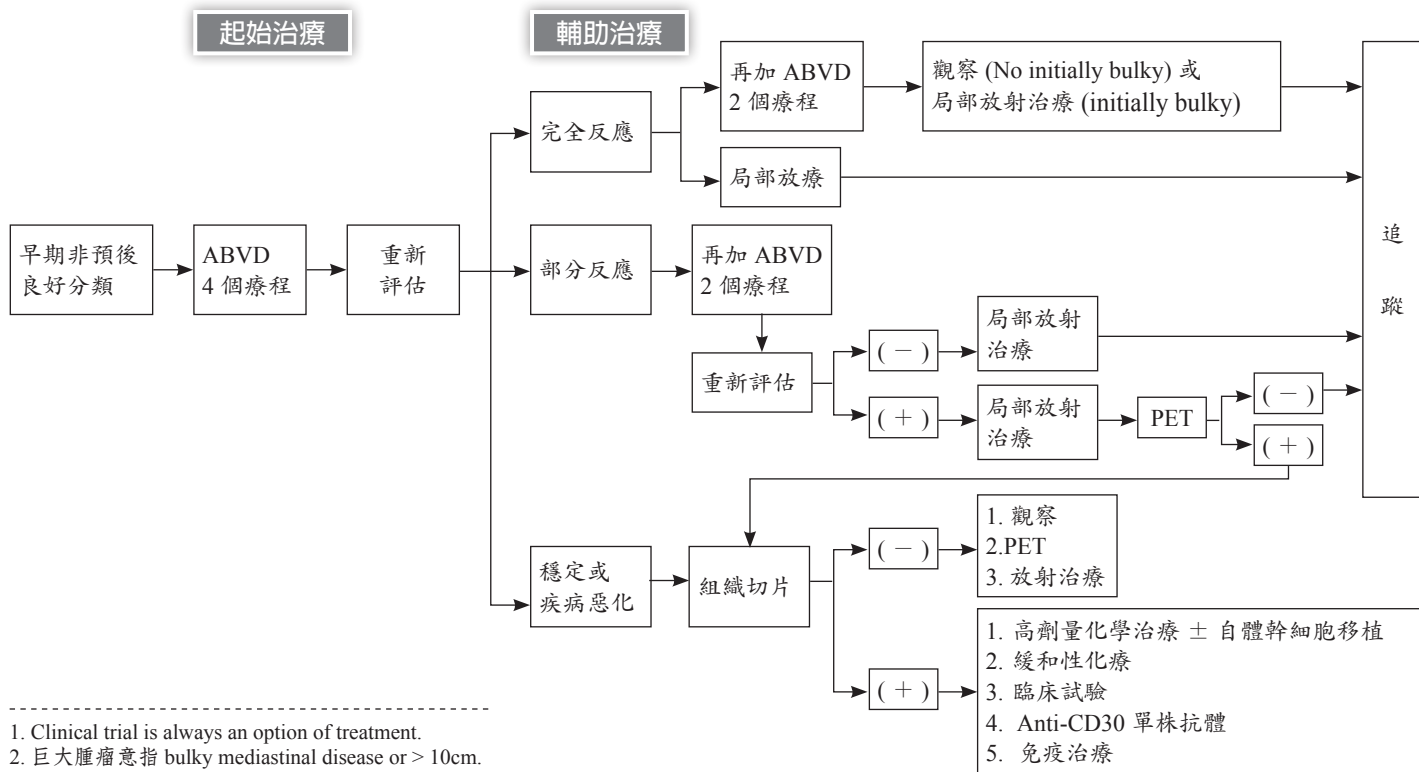
《臨床分期：Classic Hodgkin's Lymphoma》



1. Clinical trial is always an option of treatment.
 2. Rituximab may be added electively (self-paid) if CD 20 is positive in IHC stain.
 3. 早期預後良好定義: 1. Age < 50 y/o 2. ESR normal 3. Stage I-II 4. No B symptoms 5. No bulky disease

《淋巴瘤診治共識》—何杰金氏症 (Hodgkin lymphoma)

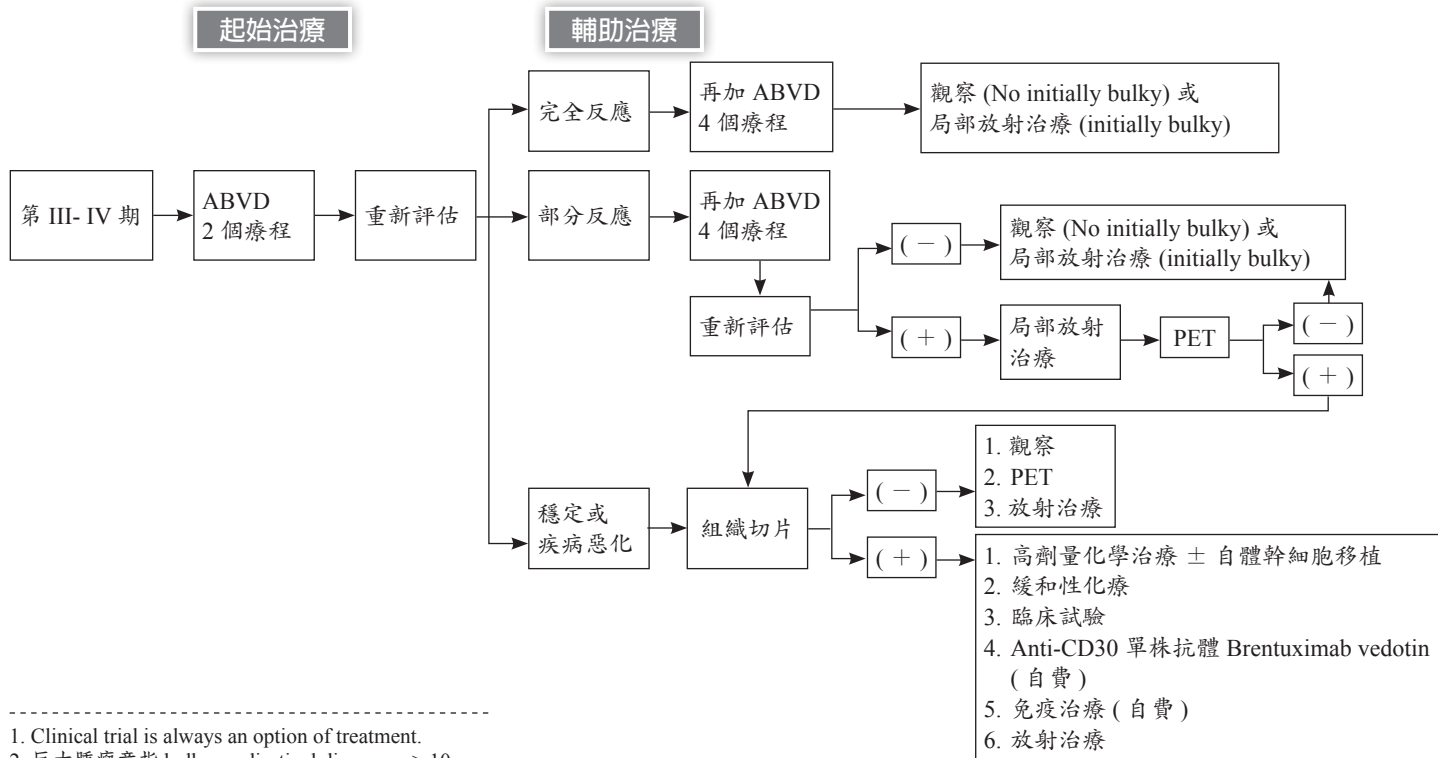
《臨床分期：Classic Hodgkin's Lymphoma》



1. Clinical trial is always an option of treatment.
2. 巨大腫瘤意指 bulky mediastinal disease or > 10cm.

《淋巴瘤診治共識》—何杰金氏症 (Hodgkin lymphoma)

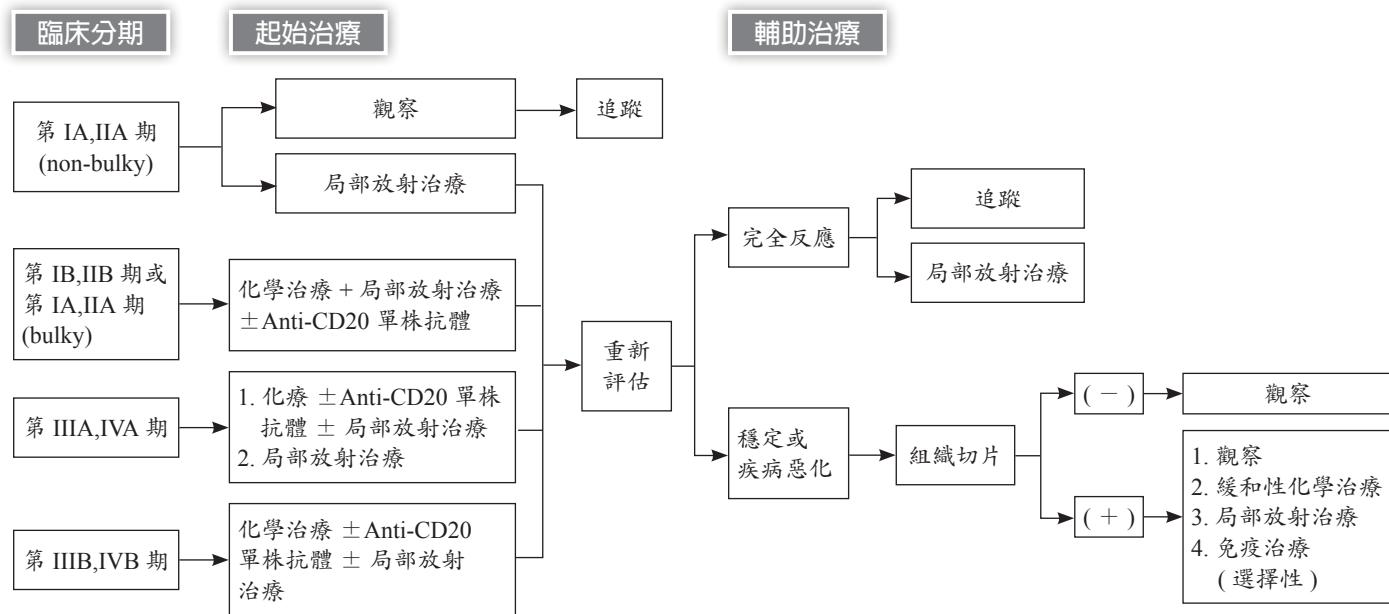
《臨床分期：Classic Hodgkin's Lymphoma》



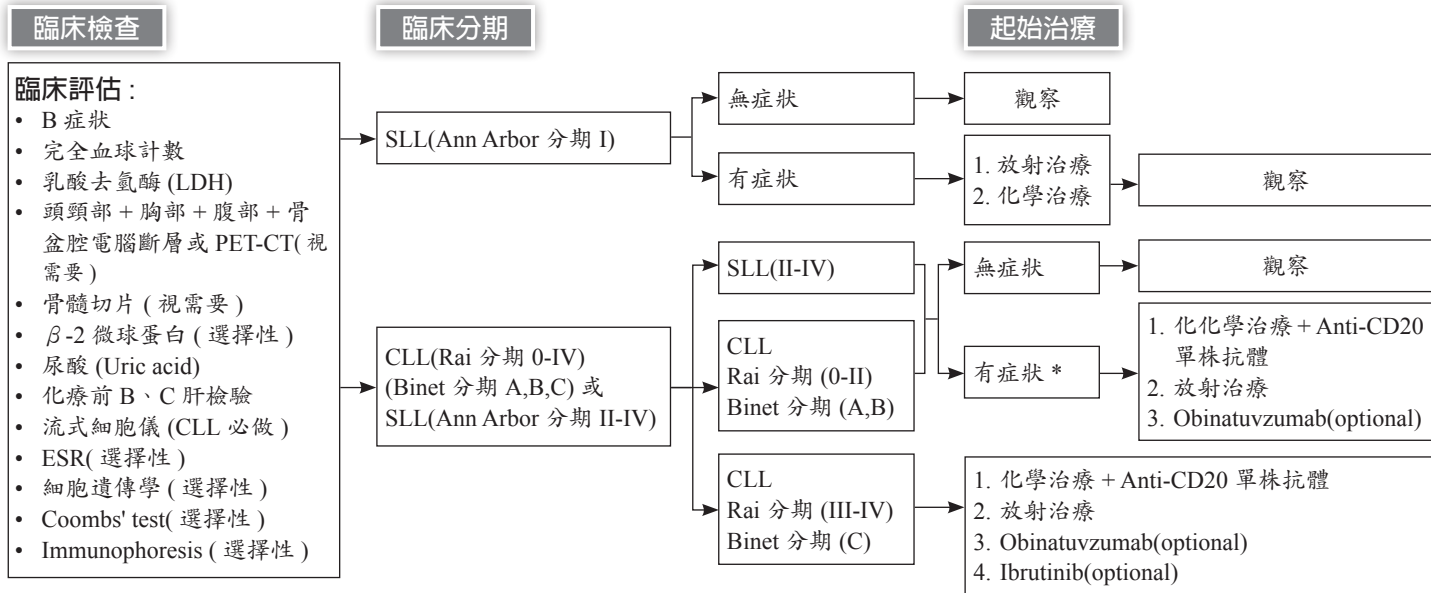
1. Clinical trial is always an option of treatment.
2. 巨大腫瘤意指 bulky mediastinal disease or > 10cm.

《淋巴瘤診治共識》—何杰金氏症 (Hodgkin lymphoma)

《臨床分期：Nodular lymphocyte-predominant Hodgkin's Lymphoma》

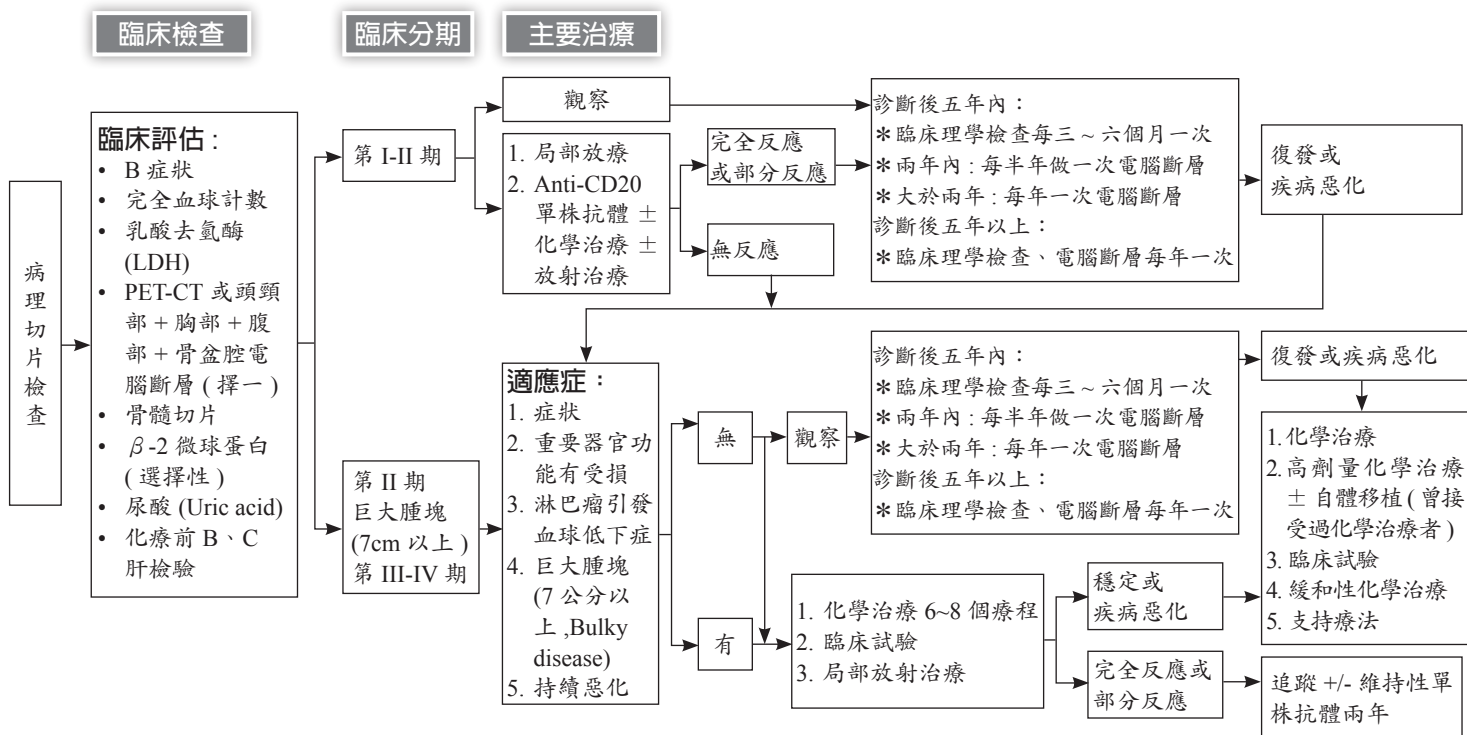


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*Clinical trial is always an option of treatment.

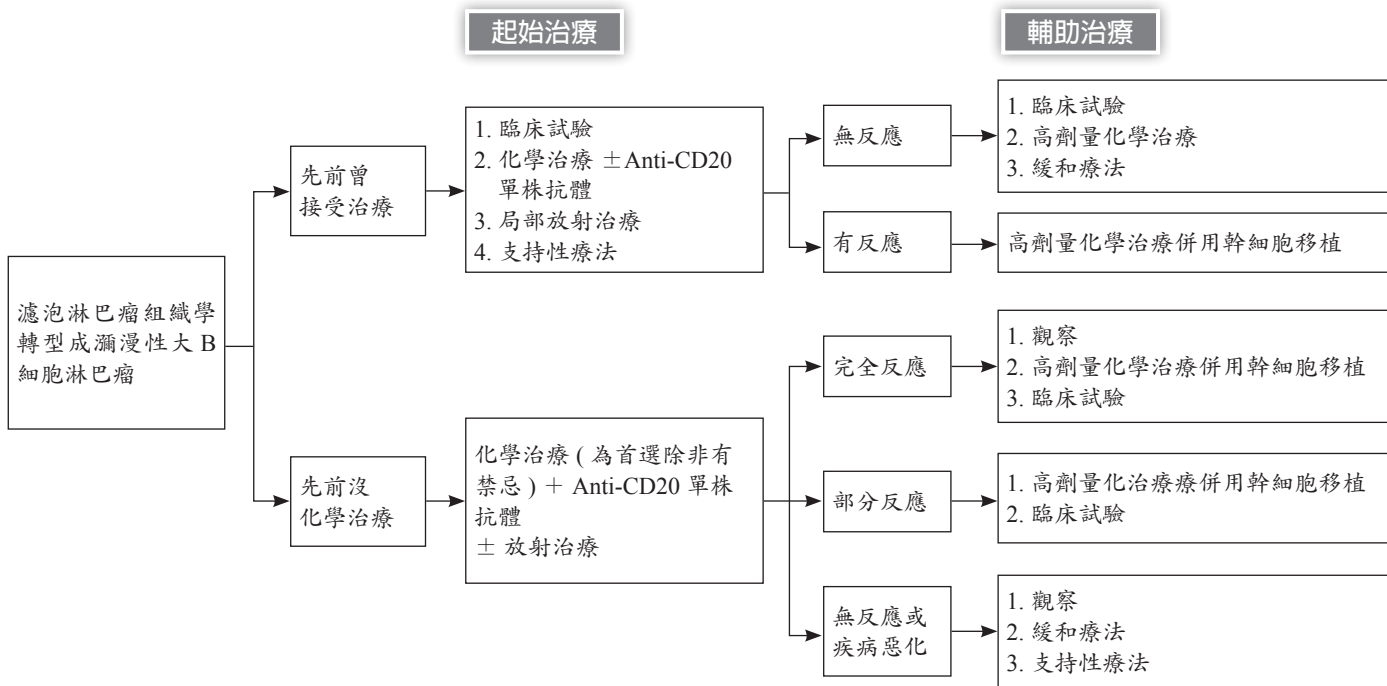


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- Clinical trial is always an option of treatment.
 - 評估有以下症狀*：
 1. Fatigue (severe) 2. Night sweats 3. Weight loss 4. Fever without infection
 - * Threatened end-organ function
 - * Progressive bulky disease (spleen > 6cm below costal margin, lymph nodes > 10cm)
 - * Progressive anemia
 - * Progressive thrombocytopenia
 - Gazyva (Obinativzumab) (optional)

《淋巴瘤診治共識》—濾泡淋巴瘤 (Follicular Lymphoma)



FOLL-1



《淋巴瘤診治共識》—胃黏膜淋巴組織相關淋巴瘤 (Gastric MALT lymphoma)

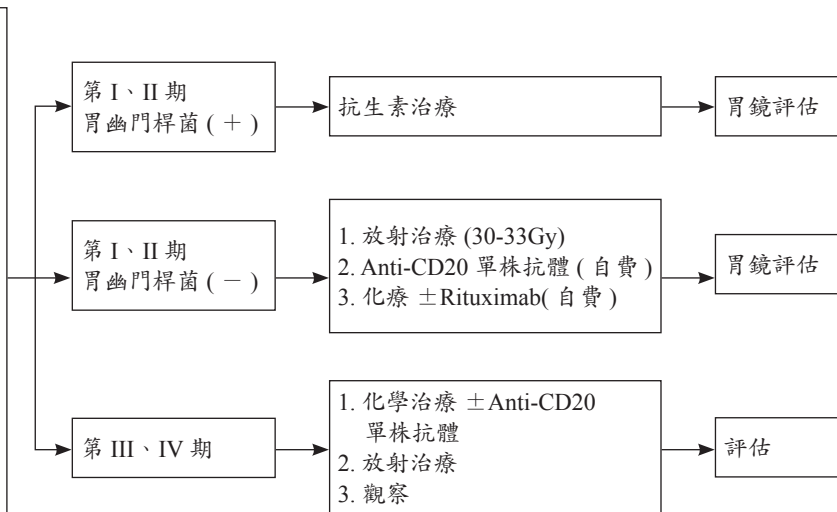
臨床檢查

- 理學檢查、注意胃以外的部位 (眼、皮膚)
- 體能狀態 (EC OG PS)
- CBC、白血球分類、血小板計數
- 生化常規
- LDH
- 如組織病理學檢測幽門螺桿菌陰性、則行幽門螺桿菌非侵入性檢測 (糞便抗原檢測、尿素呼氣試驗、血液抗體檢測)
- 如果擬用 Rituximab、行 B 型肝炎相關檢測
- 胸腔 / 腹腔 / 骨盆腔併顯影劑電腦斷層檢查增強診斷品質
- 超音波內視鏡 (如有) 下多個部位檢體切片
- 育齡期婦女進行妊娠試驗 (如擬行化療)
- 骨髓穿刺切片 (視需要)
- 如果需要 Anthracycline 的療程需顯示 MUGA 掃描 / 心臟超音波數據
- C 型肝炎相關檢測

臨床分期

起始治療

評估



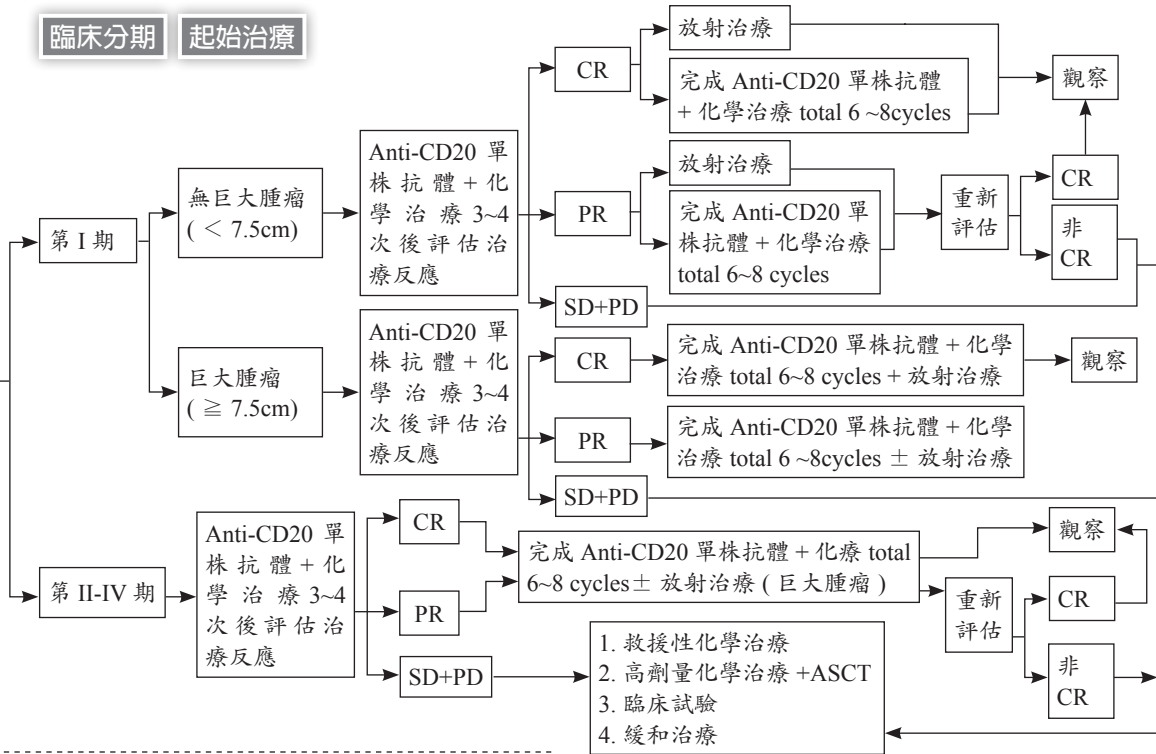
臨床檢查

臨床分期

起始治療

臨床評估：

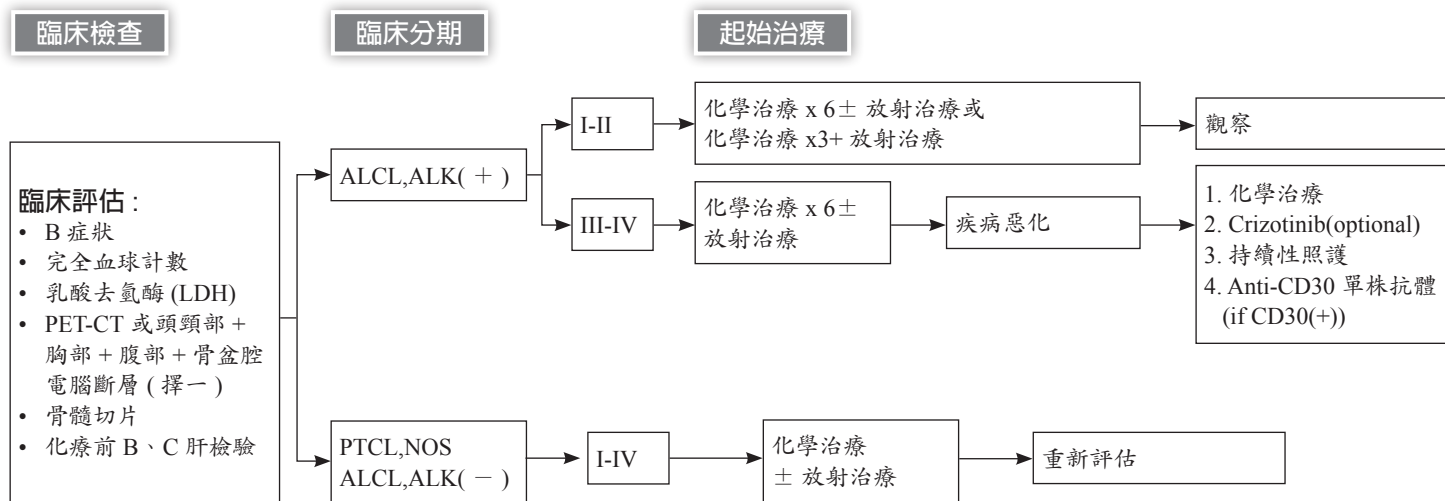
- B 症狀
- 完全血球計數
- 乳酸去氫酶 (LDH)
- PET-CT 或頭頸部 + 胸部 + 腹部 + 骨盆腔電腦斷層 (擇一)
- 骨髓切片 (選擇性)
- β -2 微球蛋白 (選擇性)
- 尿酸 (Uric acid)
- 化療前 B、C 肝檢驗
- 心臟超音波 (使用 anthracyclines 類藥物)



*Rituximab 持續性治療每三個月施打一次，持續 2 年，僅適用於濾泡性淋巴瘤 (Gr. I-II)
• Clinical trial is always an option of treatment.

《淋巴瘤診療共識》—T 細胞淋巴瘤

《(Cutaneous T-cell lymphoma and T-immunoblastic lymphoma are not included)》



1. Clinical trial is always an option of treatment.
 2. Treatment with diffuse large B cell lymphoma without rituximab.
 3. aaIPI: 年齡調整國際預後指數

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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	

Brentuximab vedotin+AVD (doxorubicin+ vinblastine+ dacarbazine)

藥品名	劑量 mg/m ²	給藥日	頻率	週期	參考文獻
Brentuximab vedotin	1.2 mg/kg	1, 15	Q4W	6	7
Doxorubicin	25	1, 15	Q4W	6	
Vinblastine	6	1, 15	Q4W	6	
Dacarbazine	375	1, 15	Q4W	6	
Vincristine	1.4	8	Q2W	2 + 2	

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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		1, 2
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		3
Doxorubicin	50	1	Q3W		
Vincristine	1.4	1	Q3W		
Prednisone	40	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		4
Vinblastine	6	1, 8	Q2-3W		
Prednisone	40	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		5-9

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Systemic therapy for relapsed or refractory disease

Second-Line or Subsequent Therapy Options

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	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

*alone or in combination with the second-line regimens below

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/m ²	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/m ²	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
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		

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	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-dense 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	

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	*	

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 >80years 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		

RGCVP (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, Carboplatin) ± 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

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一、治療範圍

1. 淋巴腫瘤
2. 淋巴腫瘤侵犯高風險範圍

二、治療劑量 / 次數

1. 總劑量

▲何杰金氏淋巴瘤：

- (1) 非局部大型腫瘤：劑量：20-30 Gy, 次數：10-20 次, 單次劑量 1.5-2.0 Gy
- (2) 局部大型腫瘤：30-36Gy, 次數：15-24 次, 單次劑量 1.5-2.0 Gy
- (3) 化療後部分反應：36-45Gy, 次數：18-30 次 單次劑量 1.5-2.0 Gy

▲非何杰金氏淋巴瘤：

濾泡淋巴瘤

- (1) 劑量：24-30 Gy, 次數：10-20 次, 單次劑量 1.5-2.0 Gy

早期被套細胞淋巴瘤

- (1) 劑量：24-36 Gy, 次數：12-24 次, 單次劑量 1.5-2.0 Gy

邊緣區型淋巴瘤

- (1) 胃部：劑量：30 Gy, 次數：15-20 次, 單次劑量 1.5-2.0 Gy
- (2) 其他淋巴外處：劑量：24-30Gy, 次數：12-20 次, 單次劑量 1.5-2.0 Gy
- (3) Nodal MZL：劑量：24-36Gy, 次數：12-24 次, 單次劑量 1.5-2.0 Gy

瀰漫性大型 B 細胞淋巴瘤

- (1) 化療後完全反應：劑量：30-36 Gy, 次數：10-20 次
- (2) 化療後部分反應：劑量：40-50Gy, 次數：20-34 次
- (3) 對化療反應不佳或不適合化療：劑量：30-55Gy, 次數：15-37 次

(4) 與 stem cell transplantation 合併：劑量：20-36Gy, 次數：10-24 次

NK/T 細胞淋巴瘤

- (1) 單獨使用 RT：劑量：50-55 Gy, 次數：25-31 次,
- (2) RT 合併其他治療：劑量：45-56Gy, 次數：22-32 次

周邊 T 細胞淋巴瘤

- (1) 化療後完全反應：劑量：30-36 Gy, 次數：15-20fx
- (2) 化療後部分反應：劑量：40-50Gy, 次數：20-34fx
- (3) 對化療反應不佳或不適合化療：劑量：40-55Gy, 次數：20-37fx
- (4) 與 HCT 合併：劑量：20-36Gy, 次數：10-24fx

PCMZL & PCFCL

- (1) 單獨使用 RT：劑量：24-30 Gy, 次數：12-17fx

MF & SS

- (1) Individual plaque and tumor lesions：劑量：8-12 Gy, 次數：1-6fx
- (2) Unilesional MF：劑量：40-50Gy, 次數：20-34fx
- (3) TSEBT：劑量：12-36Gy, 次數：2-9fx, general 4-6 Gy per week

Primary cutaneous ALCL

- (1) 治癒性劑量：劑量：24-36 Gy, 次數：12-24fx

三、治療方式：

使用強度調控放射治療技術，包含弧形及螺旋放射規畫，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。

四、參考文獻：

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