

# 高雄榮民總醫院 乳癌診療原則

乳癌醫療團隊共同擬訂

2015. 09. 25修訂

(2015第2版)

**注意事項：**這個診療準則主要作為醫師和其他保健專家診療癌症病人參考之用。

假如你是一個癌症病人，直接引用這個診療準則並不恰當，請與你的醫師討論決定對你最恰當的治療。

前言：

『乳癌』是全世界女性最常見的癌症，每年全世界新病人數超過 1,000,000 人，在台灣近幾年來乳癌已經超越子宮頸癌，成為女性好發癌症的首位，發生高峰約在 45-69 歲之間，約為每十萬名婦女 178-188 人。依據衛生福利部死因統計及國民健康署癌症登記資料顯示，女性乳癌標準化發生率及死亡率分別為 64.3 及 11.6（每十萬人口），每年有逾萬位婦女罹患乳癌，近 2,000 名婦女死於乳癌，相當於每天有 28 位婦女被診斷罹患乳癌、5 位婦女因乳癌而失去寶貴性命。

本院從 1990 年開院第一年病例僅個位數至 2009 年每年突破 300 名新病例，在本院完成治療的病人總數累積已超過 3200 名。本院乳癌的治療較過去 20 年有長足的進步，進步的原因包括各種最新乳癌影像學早期偵測、詳細標準化的病理檢驗、精細的乳癌切除和重建手術、先進放射線治療的搭配，以及引進國外各種抗癌化學和標靶藥物的搭配應用。尤其追求本院乳癌治療水準齊一也是重要因素，乳癌治療經多專科團隊共同合作，制訂各項標準治療指引並進行持續品質指標嚴格稽核。

### ※ 2015 年 9 月第二版修正說明：

- 一、 依據 2015/8/28 團隊會議內容刪除化學處方：(1)Taxol 80 mg/m<sup>2</sup>+Gemcitabine 800mg/m<sup>2</sup> Q3WKLY or Q4WKLY(2) Docetaxel 75mg/m<sup>2</sup>+Gemcitabine 1000mg/m<sup>2</sup> Q3WKLY(3) Docetaxel 75mg/m<sup>2</sup>+Herceptin 6~8 mg/kg Q3WKLY；依據 2015/9/11 團隊會議內容新增 MBC 化學治療處方：Carboplatin AUC 4~6+ 5-FU 1000mg/m<sup>2</sup> Q3WKLY。
- 二、 104 年 8 月份院務會議紀錄，各團隊於癌症診療指引中加入癌症藥物停藥準則之說明，以供團隊醫師遵循。

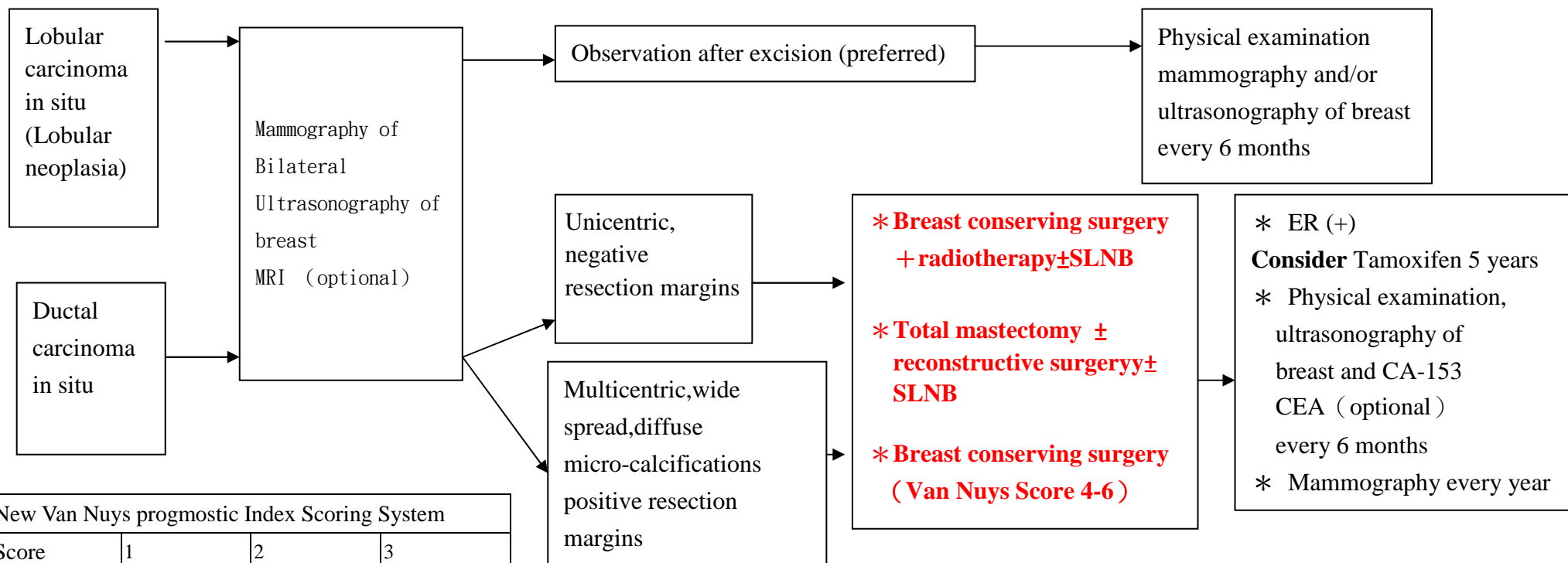
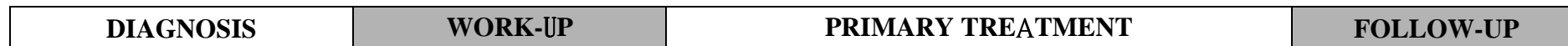
### 【癌症藥物停藥準則】

#### 【針對 Salvage 治療停藥準則】

- (1) 於化學藥物使用後 3 個月做 image 評估成效，若無效果則應該停藥或改其他治療。
- (2) 化學藥物治療過程中如副作用大或病人反應已經無法忍受則停藥。

# Breast Cancer

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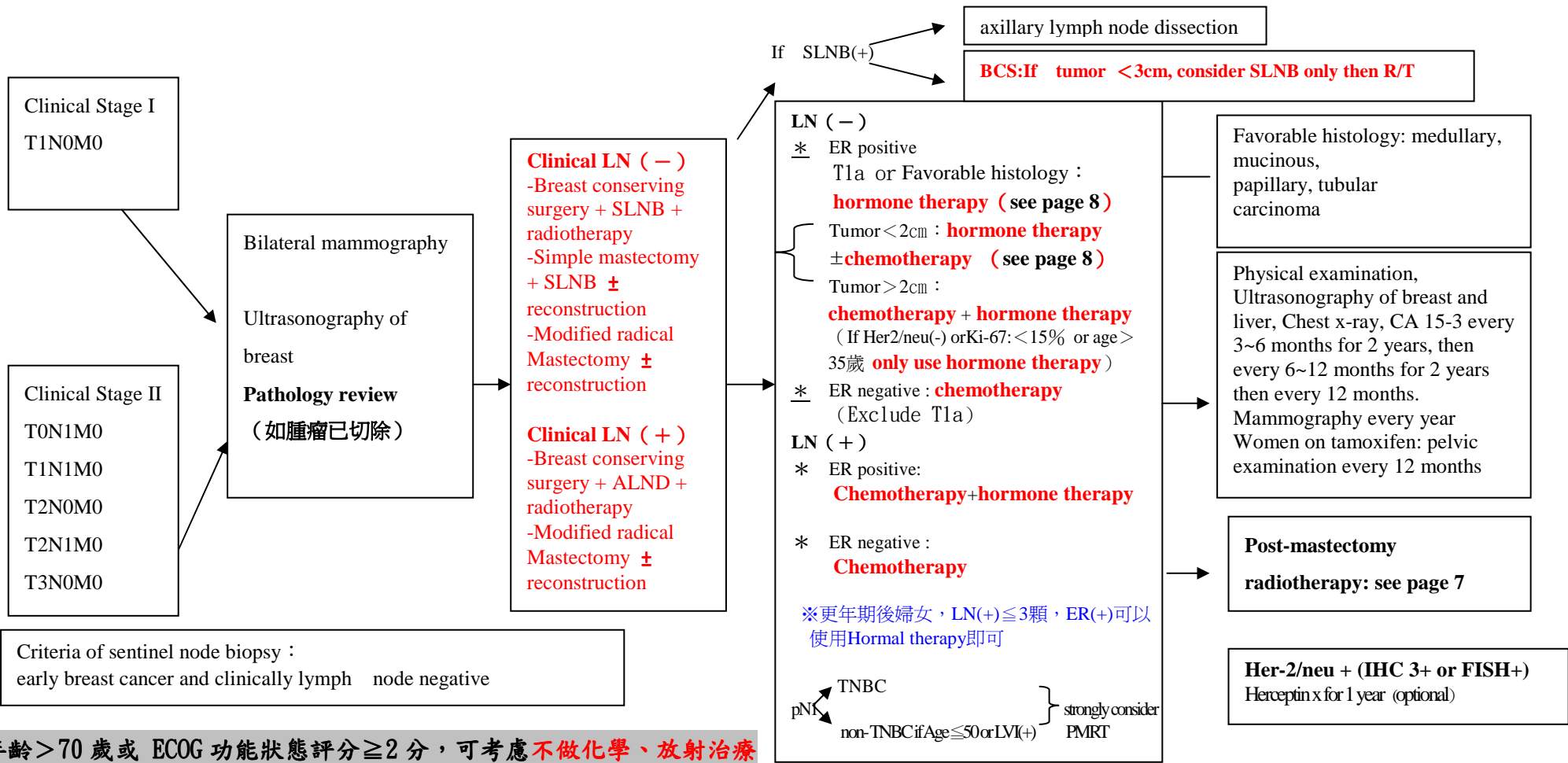


Score	1	2	3
Size	≤ 15mm	16-40mm	≥ 40mm
Margin width	≥ 10mm	1-9mm	< 1mm
Pathologic classification	Non-high-Grade w/o necrosis	Non-high-Grade with necrosis	High-grade With or w/o necrosis
Age	> 60	40-60	< 40

# Breast Cancer

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DIAGNOSIS	WORK-UP	PRIMARY TREATMENT	ADJUVANT TREATMENT	FOLLOW-UP
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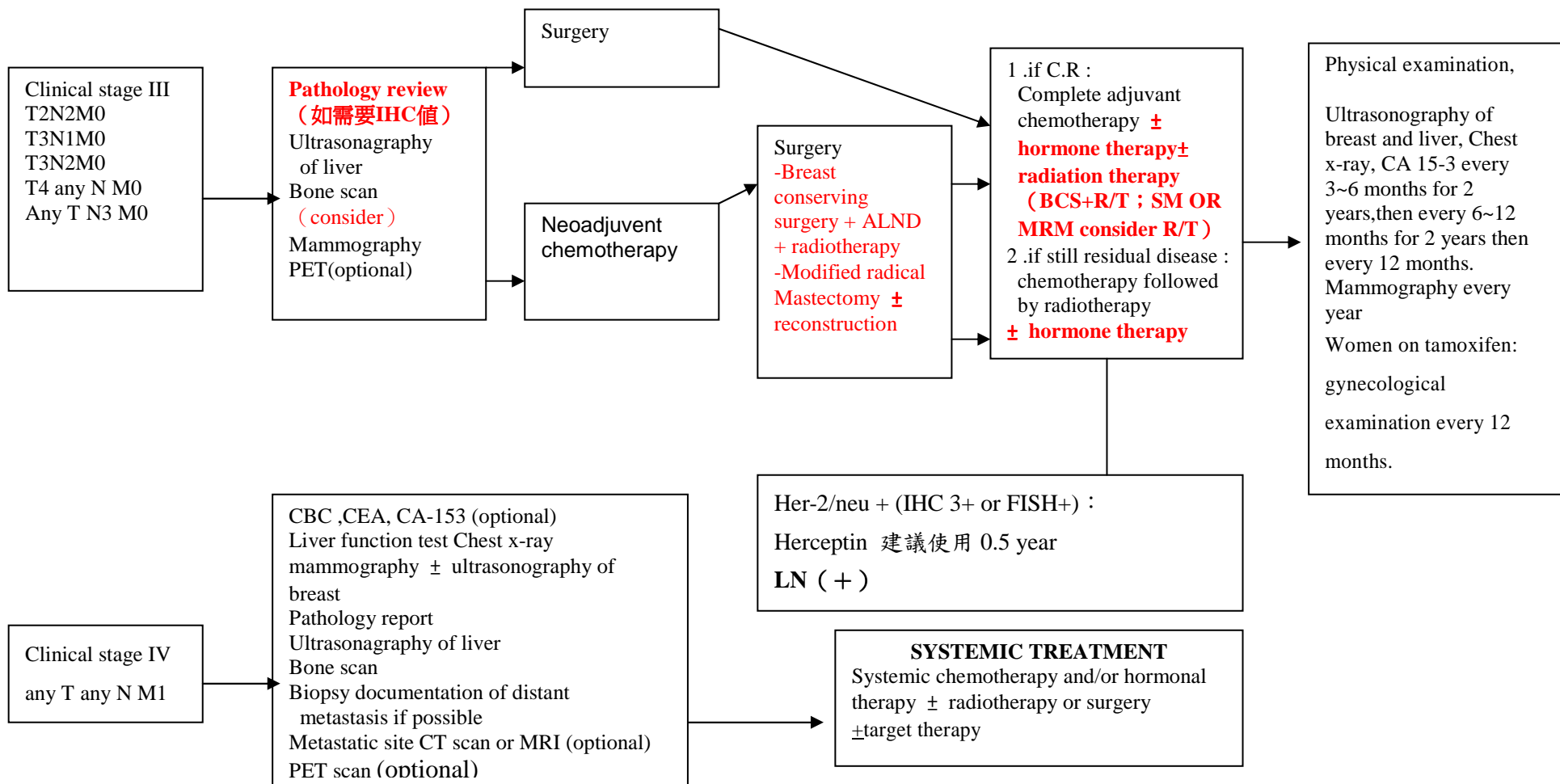


年齡 > 70 歲或 ECOG 功能狀態評分 ≥ 2 分，可考慮不做化學、放射治療

# Breast Cancer

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DIAGNOSIS	WORK-UP	PRIMARY TREATMENT	ADJUVANT TREATMENT	FOLLOW-UP
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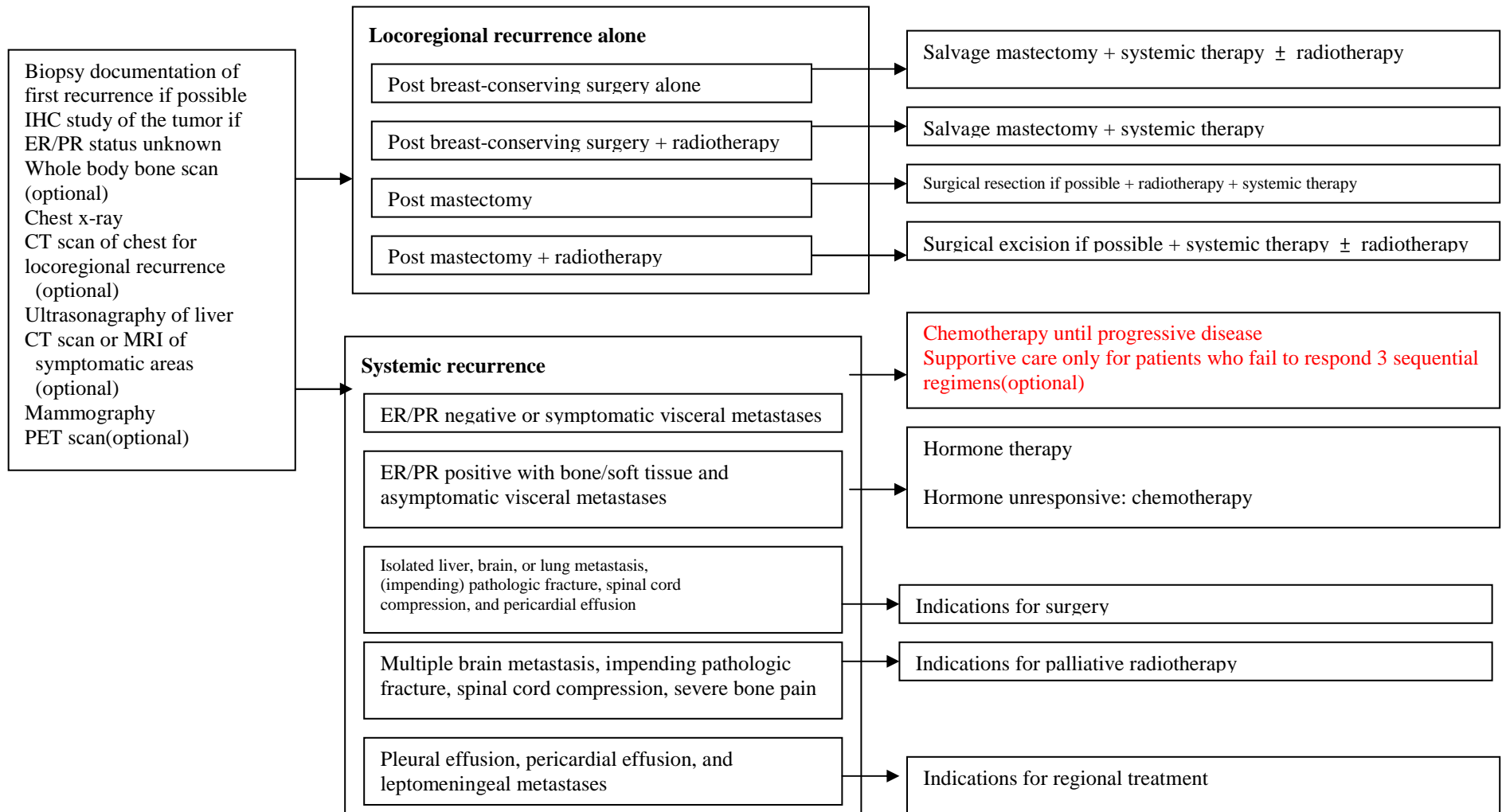


年齡 > 70 歲或 ECOG 功能狀態評分 ≥ 2 分，可考慮不做化學、放射治療

# Breast Cancer

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RECURRENCE WORK-UP	STATUS	SALVAGE TREATMENT
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# Breast Cancer

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## **INDICATIONS FOR POST-MASTECTOMY RADIOTHERAPY**

1. skin involvement (skin nodule, ulceration, dermal lymphatic involvement)
2. Chest wall involvement
3. positive axillary lymph nodes  $\geq 4$ , lymph nodes positive 1-3 (Strongly consider)
4. positive or close surgical margin
5. tumor  $\geq 5\text{cm}$  · lymph nodes negative (optional) · lymph nodes positive recommendation
6. gross multicentric disease (tumor in more than one quadrant and serpent at least 4cm by clinical or pathology)
7. for breast conservative treatment (if DCIS Van Nuys Score  $\geq 7$ )

## **BASIC REQUIREMENTS OF RADIOTHERAPY**

- Radiation fields should include ipsilateral chest wall, internal mammary chain and supraclavicular fossa
- Excluding heart from radiation fields
- Central lung distance of the tangential fields  $< 3\text{ cm}$
- No axillary irradiation if axillary clearance is adequate

## **BASIC REQUIREMENTS OF PATHOLOGY EXAMINATION**

### **Excision biopsy with no prior suspicion for malignancy**

- Exact tumor size and type of tumor
- Tumor histological and/or nuclear grade
- Margin status (exact distance in mm)
- Status of lymphovascular permeation
- ER and PR study

### **Ductal carcinoma in situ with wide excision only**

- Nuclear grade
- Status of tumor necrosis
- Tumor size
- Margin status (exact distance in mm)
- ER/PR study

### **Invasive carcinoma with wide excision and axillary lymph node dissection or modified radical mastectomy**

- Exact tumor size and type of tumor
- Tumor histological grade
- Margin status (exact distance in mm)
- Status of multifocality and multicentricity
- Presence of DCIS and status of extensive intraductal component
- Status of peritumoral LVI
- Number of involved and total axillary lymph nodes with extranodal extension, total number of axillary nodes examined should not be less than 10.
- If any involvement of skin
- ER and PR study Her-2/neu
- Ki67

癌別：乳癌 2015 年

Adjuvant / Neoadjuvant	最近改版	2015/9/25		
	處方內容	Chemotherapy formula	schedule	Reference (No) /strength of evidence
		Carboplatin AUC x5mg+ Docetaxel 75mg/m <sup>2</sup>	Q3WKLY	No 17 / Level I
		Carboplatin AUC 4-6+ 5-FU 1000mg/m <sup>2</sup>	Q3WKLY(新增)2015/9/11	No 17 / Level I
		Cisplatin 50mg/m <sup>2</sup>	Q3WKLY	No 17 / Level I
		Cisplatin 50mg/m <sup>2</sup> + 5-FU 500mg/m <sup>2</sup>	Q3WKLY	No 17 / Level I
		Gemcitabine 1250mg/m <sup>2</sup>	Q3WKLY	No 17 / Level I
		Lipo-Dox 50mg/m <sup>2</sup>	Q3WKLY	No 17 / Level I
		Mitoxantrone 12mg/m <sup>2</sup>	Q3WKLY	No 17 / Level I
		Taxol 80 mg/m+Gemcitabine 800mg/m <sup>2</sup>	QWKLY or Q3WKLY or Q4WKLY (刪)	No 17 / Level I
		Taxol 80 mg/m+Cisplatin 50mg/m <sup>2</sup>	Q3WKLY	No 17 / Level I
		Taxol 80 mg/m	QWKLY	No 17 / Level I
		Taxol 175 mg/m	Q3WKLY	No 17 / Level I
		Docetaxel 60mg/m <sup>2</sup> +Cisplatin 50mg/m <sup>2</sup>	Q3WKLY	No 17 / Level I
		Docetaxel 75mg/m <sup>2</sup> +Gemcitabine 1000mg/m <sup>2</sup>	Q3WKLY (刪) 2015/8/28	No 17 / Level I
		Docetaxel 75mg/m <sup>2</sup>	Q3WKLY	No 17 / Level I
		Vinorelbine 25~30mg/m	D1 or D8	No 17 / Level I
		Docetaxel 75mg/m <sup>2</sup> x1+Xeloda 2.5tab x14 day	Q3WKLY+14 day	No 17 / Level I
		Afinitor 5mg	2tab QD x 14 day	No 17 / Level I
		Xeloda 500mg	2tab Bid x 14 day	No 17 / Level I
		Cyclophosphamide	2tab QD x 14 day	No 17 / Level I
		Methotrexate	2tab (BIW) x14 day	No 17 / Level I
		Ufur	3cap (Bid) x14 day	No 17 / Level I
		Vinorelbine 30mg + Vinorelbine 20mg	2 cap1 + 1cap (QW) x 14 day	No 17 / Level I
		Bleomycin 50mg	once	No 17 / Level I
		FEC(5-FU500mg/m <sup>2</sup> , Epirubicin75mg/m <sup>2</sup> , cyclophosphamide 500mg/m <sup>2</sup> )	2-6 cycles	No 2 / Level I



		FLC (5-FU 500mg/m <sup>2</sup> , Lipo-Dox 35mg/m <sup>2</sup> , cyclophosphamide 500mg/m <sup>2</sup> )	2-6 cycles	No 16 / Level I
		FEC or FLC + Taxol (taxol 175 mg/m <sup>2</sup> ) (Q3W) (taxol 80 mg/m) (QW)	2-4 cycles (Q3W) or 2-12 cycles (QW)	No 7 / Level I
		FEC or FLC+Taxotere (taxotere 75 mg/m <sup>2</sup> )	2-4 cycles (Q3W)	No 9 / Level I
		CMF (Cyclophosphamide 2tab/m <sup>2</sup> +Methotrexate 40mg/m <sup>2</sup> + Fluorouracil 500-600mg/m <sup>2</sup> )	6-12 cycles	No 2 / Level I
		EC or LC (Epirubicin 75mg/m <sup>2</sup> or Lipo-Dox 35mg/m <sup>2</sup> + cyclophosphamide 500mg/m <sup>2</sup> )	6 cycles	No 16 / Level I
		TEC (Docetaxel 75mg/m <sup>2</sup> + Epirubicin 75mg/m <sup>2</sup> + cyclophosphamide 500mg/m <sup>2</sup> )	6 cycles	No 3 / Level I
		Mitoxantrone 10mg/m <sup>2</sup> +Leucovorine 170mg/m <sup>2</sup> +5-FU 600mg/m <sup>2</sup> +Cisplatin 60 mg/m <sup>2</sup>	Q3WKLY	No 17 / Level I
		IAIC for Epicin 60mg	once	No 17 / Level I
Hormone therapy	最近改版	2015/9/25		
	處方內容	Faslodex 250mg	Q28D	No 17 / Level I
		Goserelin 3.6mg	Q28D	No 17 / Level I
		Leuprorelin 3.75mg	Q28D	No 17 / Level I
		Anastrozole 1mg	1tab (QD) x14 day	No 17 / Level I
		Exemestane 25mg	1tab (QD) x14 day	No 17 / Level I
		Letrozole 2.5 mg	1tab (QD) x14 day	No 17 / Level I
		Tamoxifen 10mg	1tab (BID) x28 day	No 17 / Level I
Toremifene	1tab (QD) x28 day	No 17 / Level I		
Target therapy	最近改版	2015/9/25		
	處方內容	Docetaxel 75mg/m <sup>2</sup> +Herceptin 6~8 mg/kg	Q3WKLY (刪)	No 17 / Level I
		Perjeta 420~840mg +Herceptin 6~8 mg/kg + Docetaxel 75mg/m <sup>2</sup>	Q3WKLY	No 17 / Level I
		Kadcyla 3.6 mg/kg	Q3WKLY	No 17 / Level I
		Tykerb 250mg + Xeloda 500mg	5 tab (QD) +2tab (Bid) x14 day	No 17 / Level I
		Tykerb 250mg	5 tab (QD) x14 day	No 17 / Level I
Herceptin 2~8 mg/kg	QWKLY or Q3WKLY	No 17 / Level I		

## **Reference for Neoadjuvant / Adjuvant Chemotherapy Regimens**

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16. Rayson D, Suter T.M, Jackisch C, et al: Cardiac Safety of Adjuvant Pegylated Liposomal Doxorubicin With Concurrent Trastuzumab: A Randomized Phase II Trial *Annals of Oncology* 2012;23:1780-1788.
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NCCN Chemotherapy Order Templates (NCCN Templates™ )

The National Comprehensive Cancer Network (NCCN)

NCCN Patient Safety Summit

JNCCN - The Journal of the National Comprehensive Cancer Network

NCCN Drugs & Biologics Compendium (NCCN Compendium™)

NCCN Oncology Research Program (ORP)

NCCN Annual Conference: Clinical Practice Guidelines & Quality Cancer Care™

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