

高雄榮民總醫院 子宮惡性肉瘤診療指引

2017年05月16日 第一版

婦癌醫療團隊擬訂

注意事項：這個診療原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，直接引用這個診療原則並不恰當，只有你的醫師才能決定給你最恰當的治療。

修訂指引

- 本共識依下列參考資料修改版本
 - NCCN Clinical Practical Guidelines in Oncology TM Uterine Sarcoma Cancer (V.2.2017)
 - 婦癌研究委員會，子宮惡性肉瘤癌篩檢臨床指引（2011）：國家衛生研究院
 - 其他相關子宮惡性肉瘤臨床指引

會議討論

上次會議：2016/05/03

本共識與上一版的差異

上一版	新版
1. 流程圖四及流程圖五:局部復發僅陰道及胸部x光正常及電腦斷層腹部及骨盆腔檢查，僅局部陰道復發的治療，在之前從未接受放射線治療的狀況下，治療選項在手術切除治療僅有外科手術切除 ±手術中行病灶放射線治療，而在接受過放射線治療的狀況下，放射線治療選項僅有針對腫瘤直接放射治療。(p. 9, 10) 2. 流程圖四:多處轉移復發狀況下，在其他肉瘤治療方式為化學治療 ±緩解放射線治療或支持療法。(p. 9)	1. 流程圖四及流程圖五:局部復發增加骨盆腔復發的治療，在之前從未接受放射線治療的狀況下，治療選項增加考慮術前體外放射線治療，而在接受過放射線治療的狀況下，治療選項增加±陰道近接治療。(p. 9, 10) 2. 流程圖四:多處轉移復發狀況下，在子宮內膜基質惡性肉瘤治療方式更改與僅單獨一處轉移復發下之不可切除狀況下的治療方式相同(化學治療 ±緩和放射線治療(之後若可切除病灶，可考慮手術)或其他局部熱頻燒灼治療(RFA: Radiofrequency Ablation)或荷爾蒙治療(此僅對子宮內膜基質惡性肉瘤)或緩解放射線治療。(p. 9)

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分期

CORPUS UTERI SARCOMA STAGING FORM (Carcinosarcomas should be staged as carcinomas)				
Clinical <i>Extent of disease before any treatment</i>		Stage Category Definitions		Pathologic <i>Extent of disease through completion of definitive surgery</i>
☐ y clinical – staging completed after neoadjuvant therapy but before subsequent surgery		Tumor Size: _____	Laterality: ☐ left ☐ right ☐ bilateral	☐ y pathologic – staging completed after neoadjuvant therapy and subsequent surgery
TNM Category	FIGO Stage	Primary Tumor (T)		TNM Category
Leiomyosarcoma, Endometrial Stromal Sarcoma				
☐ TX		Primary tumor cannot be assessed		☐ TX
☐ T0		No evidence of primary tumor		☐ T0
☐ T1	I	Tumor limited to the uterus		☐ T1
☐ T1a	IA	Tumor 5 cm or less in greatest dimens		☐ T1a
☐ T1b	IB	Tumor more than 5 cm		☐ T1b
☐ T2	II	Tumor extends beyond the uterus, within the pelvis		☐ T2
☐ T2a	IIA	Tumor involves adnexa		☐ T2a
☐ T2b	IIB	Tumor involves other pelvic tissues		☐ T2b
☐ T3	III*	Tumor infiltrates abdominal tissues		☐ T3
☐ T3a	IIIA	One site		☐ T3a
☐ T3b	IIIB	More than one site		☐ T3b
☐ T4	IVA	Tumor invades bladder or rectum		☐ T4
Adenosarcoma				
☐ TX		Primary tumor cannot be assessed		☐ TX
☐ T0		No evidence of primary tumor		☐ T0
☐ T1	I	Tumor limited to the uterus		☐ T1
☐ T1a	IA	Tumor limited to the endometrium/endocervix		☐ T1a
☐ T1b	IB	Tumor invades to less than half of the myometrium		☐ T1b
☐ T1c	IC	Tumor invades more than half of the myometrium		☐ T1c
☐ T2	II	Tumor extends beyond the uterus, within the pelvis		☐ T2
☐ T2a	IIA	Tumor involves adnexa		☐ T2a
☐ T2b	IIB	Tumor involves other pelvic tissues		☐ T2b
☐ T3	III*	Tumor involves abdominal tissues		☐ T3
☐ T3a	IIIA	One site		☐ T3a
☐ T3b	IIIB	More than one site		☐ T3b
☐ T4	IVA	Tumor invades bladder or rectum		☐ T4
Note: Simultaneous tumors of the uterine corpus and ovary/pelvis in association with ovarian/pelvic endometriosis should be classified as independent primary tumors. * In this stage, lesions must infiltrate abdominal tissues and not just protrude into the abdominal cavity.				
TNM Category	FIGO Stage	Regional Lymph Nodes (N)		TNM Category
☐ NX		Regional lymph nodes cannot be assessed		☐ NX
☐ N0		No regional lymph node metastasis		☐ N0
☐ N1	IIIC	Regional lymph node metastasis		☐ N1
TNM Category	FIGO Stage	Distant Metastasis (M)		TNM Category
☐ M0		No distant metastasis (no pathologic M0; use clinical M to complete stage group)		☐ M0
☐ M1	IVB	Distant metastasis (excluding adnexa, pelvic, and abdominal tissue)		☐ M1

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CORPUS UTERI SARCOMA STAGING FORM (Carcinosarcomas should be staged as carcinomas)								
Anatomic Stage - Prognostic Groups								
Clinical				Pathologic				
GROUP	T	N	M	GROUP	T	N	M	
☐ I	T1	N0	M0	☐ I	T1	N0	M0	
☐ IA*	T1a	N0	M0	☐ IA*	T1a	N0	M0	
☐ IB*	T1b	N0	M0	☐ IB*	T1b	N0	M0	
☐ IC**	T1c	N0	M0	☐ IC**	T1c	N0	M0	
☐ II	T2	N0	M0	☐ II	T2	N0	M0	
☐ IIIA	T3a	N0	M0	☐ IIIA	T3a	N0	M0	
☐ IIIB	T3b	N0	M0	☐ IIIB	T3b	N0	M0	
☐ IIIC	T1-3	N1	M0	☐ IIIC	T1-3	N1	M0	
☐ IVA	T4	Any N	M0	☐ IVA	T4	Any N	M0	
☐ IVB	Any T	Any N	M1	☐ IVB	Any T	Any N	M1	
☐ Stage unknown				☐ Stage unknown				

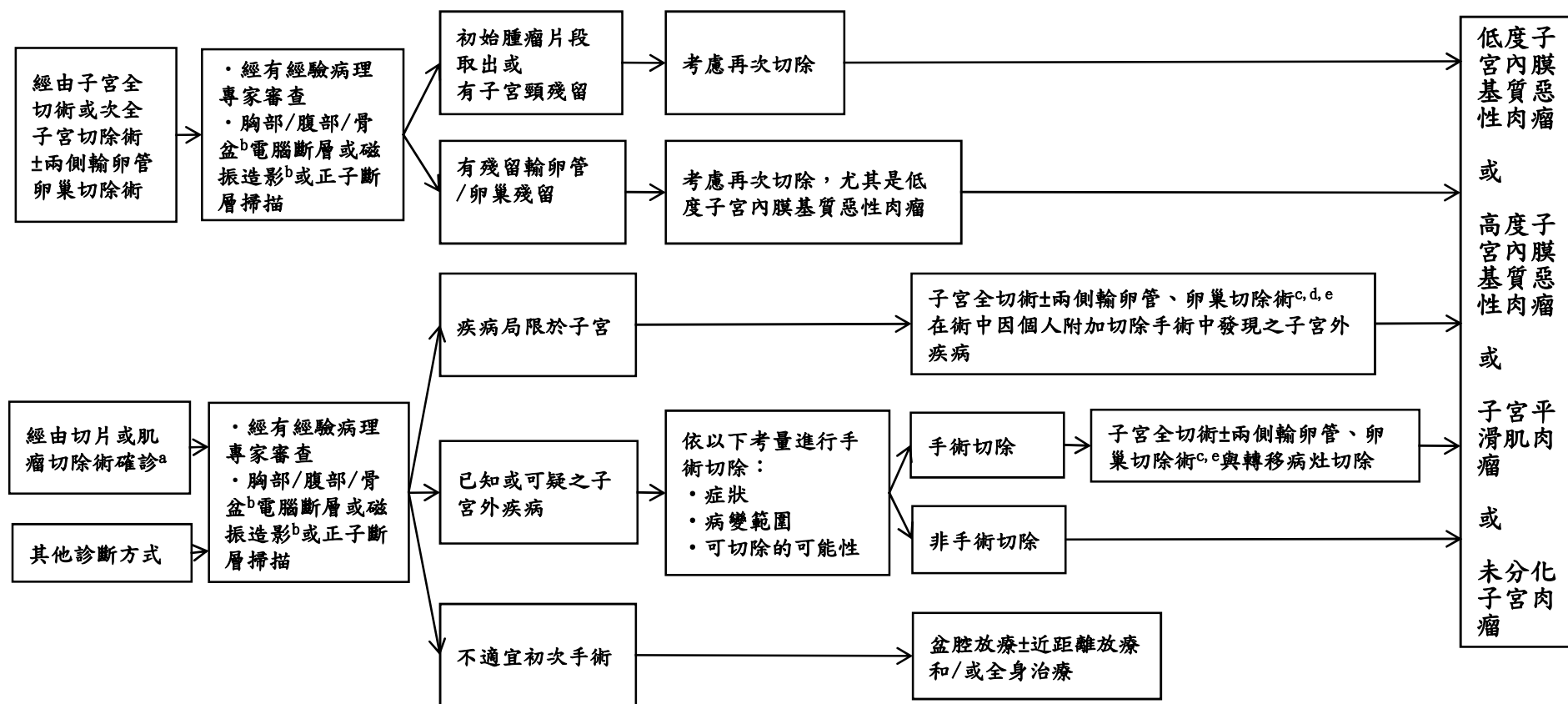
* Note: Stages IA and IB differ from those applied for leiomyosarcoma and endometrial stromal sarcoma.
** Note: Stage IC does not apply for leiomyosarcoma and endometrial stromal sarcoma.

Prognostic Factors (Site-Specific Factors)	General Notes:										
Required For Staging: None Clinically Significant: FIGO Stage: _____ Peritoneal cytology results: _____ Pelvic nodal dissection with number of nodes positive/examined: _____ Para-aortic nodal dissection with number of nodes positive/examined: _____ Percentage of non-endometrioid cell type in mixed histology tumors: _____ Omentectomy performed: _____ Histologic Grade (G) (also known as overall grade) <table border="0"> <tr> <td>Grading system</td> <td>Grade</td> </tr> <tr> <td>☐ 2 grade system</td> <td>☐ Grade I or 1</td> </tr> <tr> <td>☐ 3 grade system</td> <td>☐ Grade II or 2</td> </tr> <tr> <td>☐ 4 grade system</td> <td>☐ Grade III or 3</td> </tr> <tr> <td>☐ No 2, 3, or 4 grade system is available</td> <td>☐ Grade IV or 4</td> </tr> </table> Endometrioid adenocarcinomas should be graded according to the degree of differentiation of the adenocarcinoma as follows: ☐ G1 5% or less of a non-squamous or non-morular solid growth pattern ☐ G2 6% to 50% of a non-squamous or non-morular solid growth pattern ☐ G3 More than 50% of a non-squamous or non-morular solid growth pattern Notes on Pathologic Grading 1. Notable nuclear atypia, inappropriate for the architectural grade, raises the grade by one. 2. Serous , clear cell, and mixed mesodermal tumors are Grade 3. Additional Descriptors Lymphatic Vessel Invasion (L) and Venous Invasion (V) have been combined into Lymph-Vascular Invasion (LVI) for collection by cancer registrars. The College of American Pathologists' (CAP) Checklist should be used as the primary source. Other sources may be used in the absence of a Checklist. Priority is given to positive results. ☐ Lymph-Vascular Invasion Not Present (absent)/Not Identified ☐ Lymph-Vascular Invasion Present/Identified ☐ Not Applicable ☐ Unknown/Indeterminate Residual Tumor (R) The absence or presence of residual tumor after treatment. In some cases treated with surgery and/or with neoadjuvant therapy there will be residual tumor at the primary site after treatment because of incomplete resection or local and regional disease that extends beyond the limit of ability of resection. ☐ RX Presence of residual tumor cannot be assessed ☐ R0 No residual tumor ☐ R1 Microscopic residual tumor ☐ R2 Macroscopic residual tumor	Grading system	Grade	☐ 2 grade system	☐ Grade I or 1	☐ 3 grade system	☐ Grade II or 2	☐ 4 grade system	☐ Grade III or 3	☐ No 2, 3, or 4 grade system is available	☐ Grade IV or 4	For identification of special cases of TNM or pTNM classifications, the "m" suffix and "y," "r," and "a" prefixes are used. Although they do not affect the stage grouping, they indicate cases needing separate analysis. m suffix indicates the presence of multiple primary tumors in a single site and is recorded in parentheses: pT(m)NM. y prefix indicates those cases in which classification is performed during or following initial multimodality therapy. The cTNM or pTNM category is identified by a "y" prefix. The ycTNM or ypTNM categorizes the extent of tumor actually present at the time of that examination. The "y" categorization is not an estimate of tumor prior to multimodality therapy. r prefix indicates a recurrent tumor when staged after a disease-free interval, and is identified by the "r" prefix: rTNM. a prefix designates the stage determined at autopsy: aTNM. surgical margins is data field recorded by registrars describing the surgical margins of the resected primary site specimen as determined only by the pathology report. neoadjuvant treatment is radiation therapy or systemic therapy (consisting of chemotherapy, hormone therapy, or immunotherapy) administered prior to a definitive surgical procedure. If the surgical procedure is not performed, the administered therapy no longer meets the definition of neoadjuvant therapy.
Grading system	Grade										
☐ 2 grade system	☐ Grade I or 1										
☐ 3 grade system	☐ Grade II or 2										
☐ 4 grade system	☐ Grade III or 3										
☐ No 2, 3, or 4 grade system is available	☐ Grade IV or 4										

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初步臨床發現 額外檢查

初級處理



a. 術前影像學和切片可能有助於確定子宮肉瘤，雖然切片靈敏度小於子宮內膜癌。如果有基質惡性肉瘤的嫌疑，腫瘤片段取出應該避免。

b. 除非有禁忌，電腦斷層或磁共振造影的對比要遵循準則。胸部斷層是不需要對比劑。

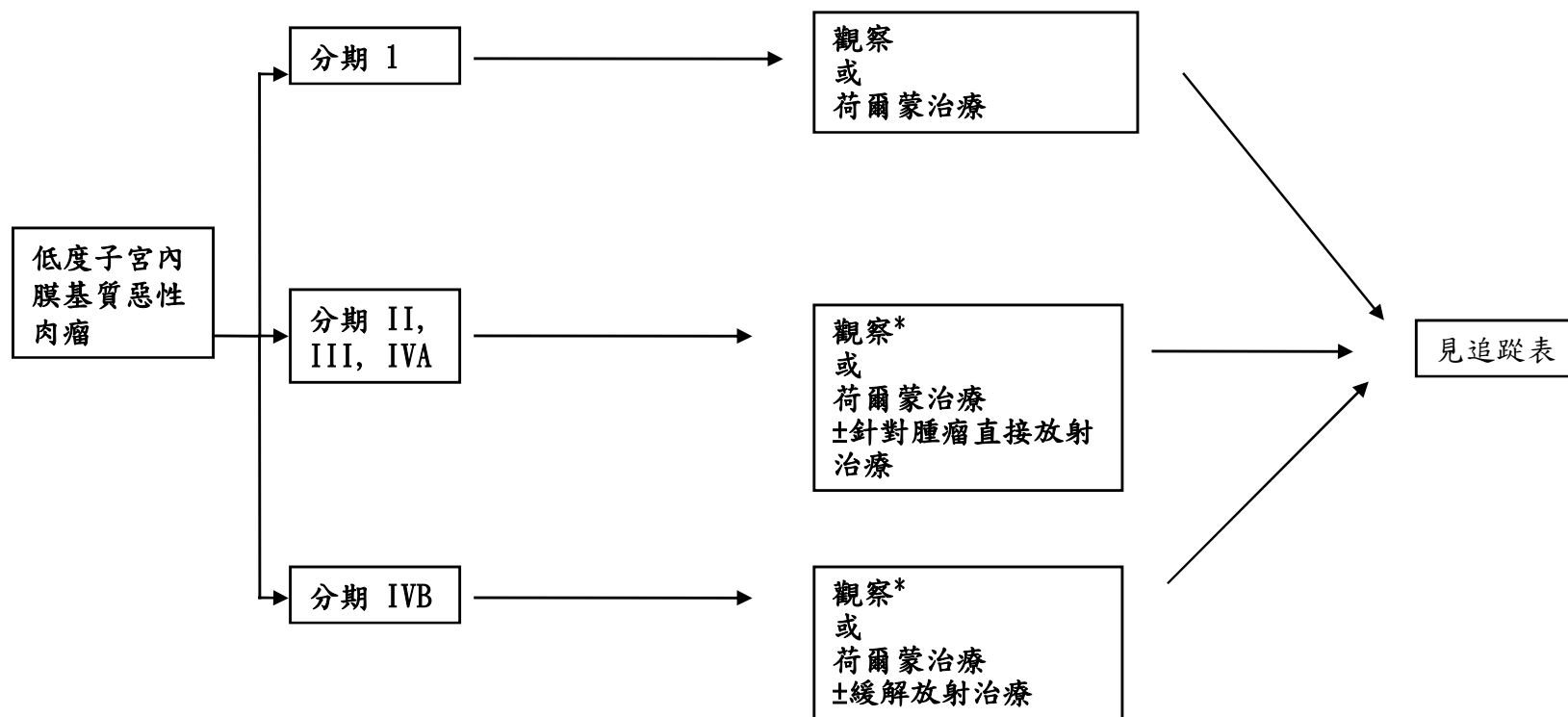
c. 卵巢摘除會因病人是否為已進入更年期而考慮。

d. 對於經TH/ BSO或切片標本後發現子宮肉瘤：建議依個人狀態進行影像及額外的手術切除

e. 子宮肉瘤應該整塊移除以獲取最佳結果；取出時應避免分碎組織

流程圖一

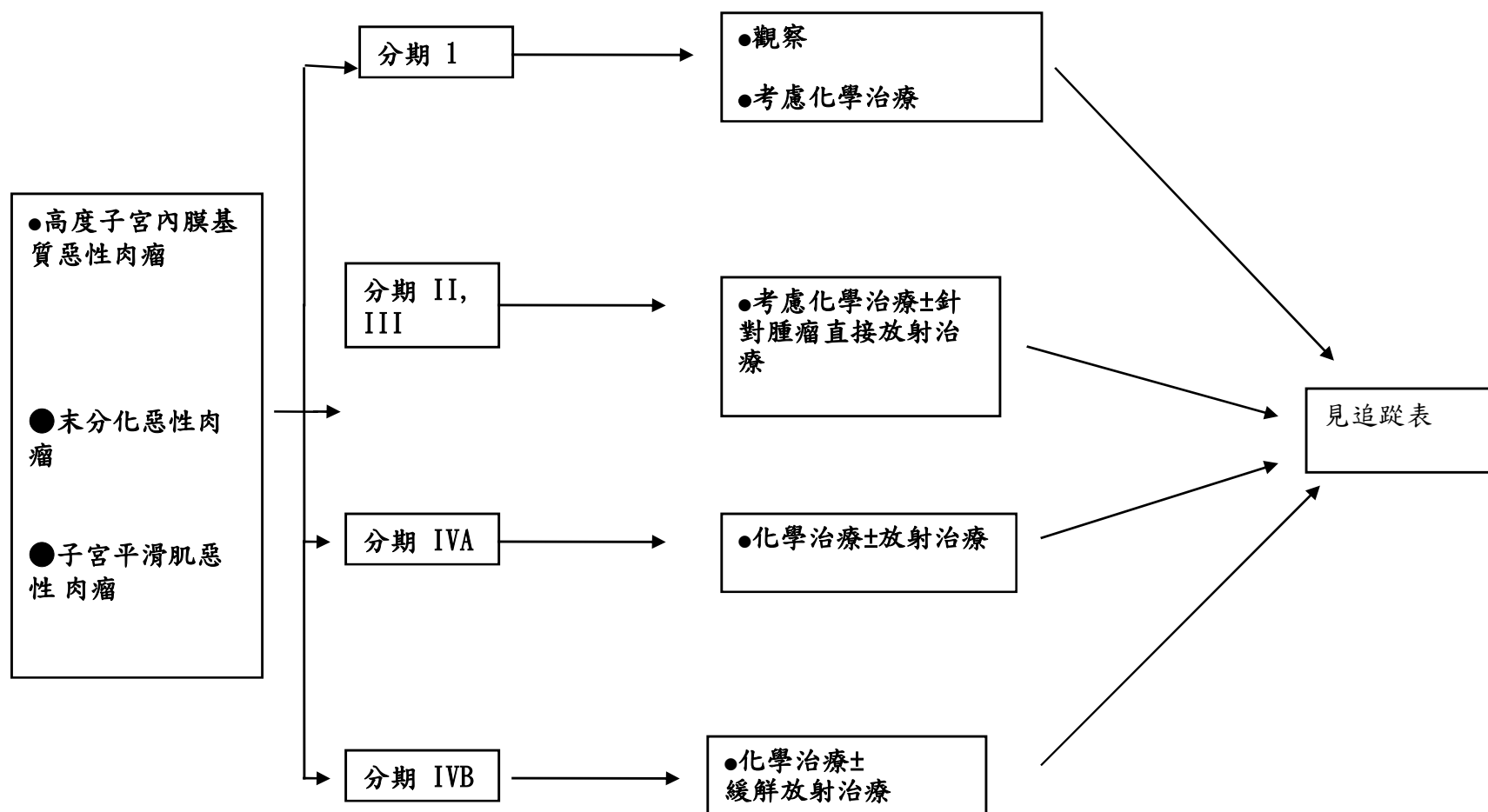
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*若手術時已將病灶完全切除。

流程圖二

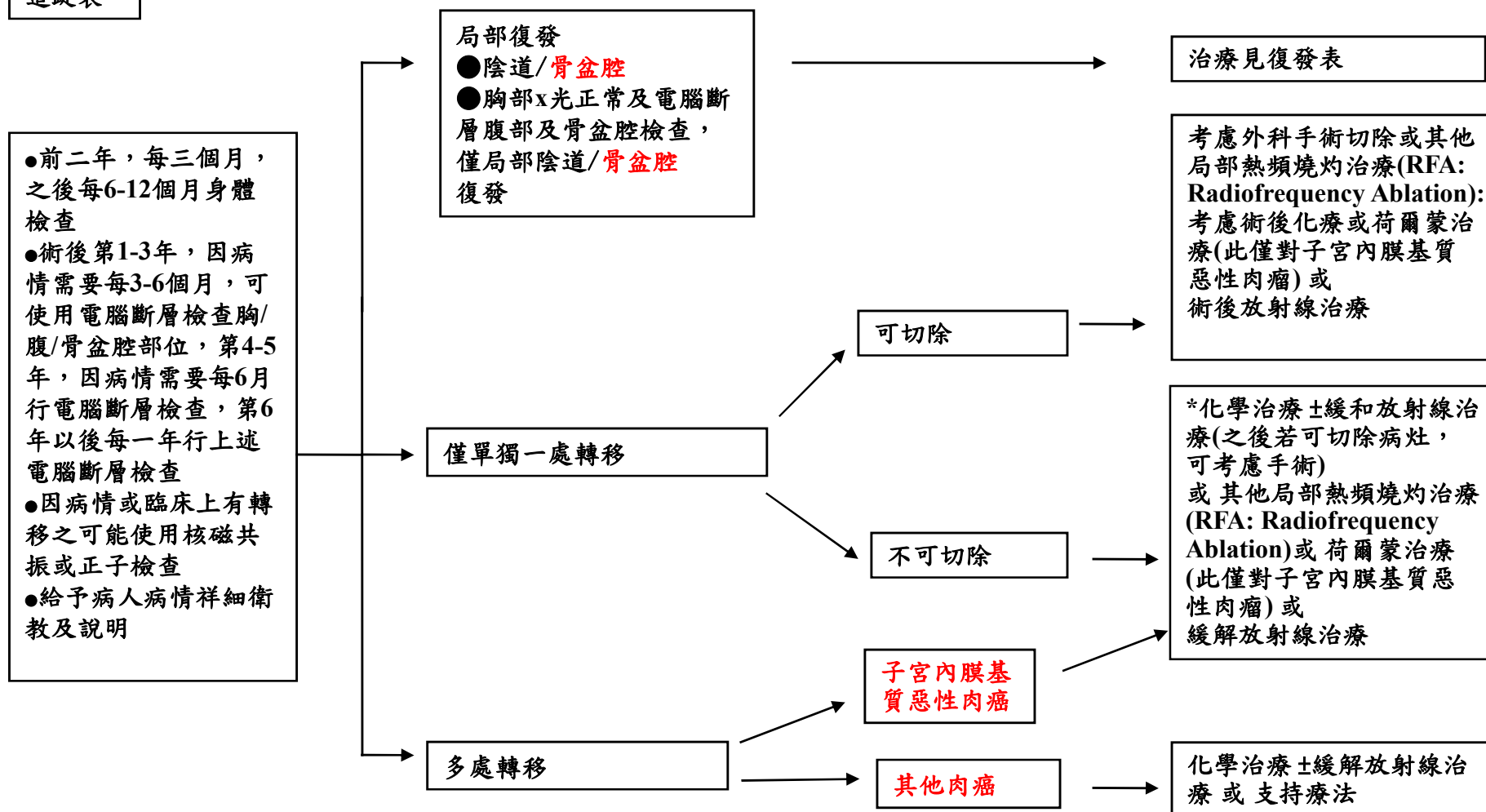
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流程圖三

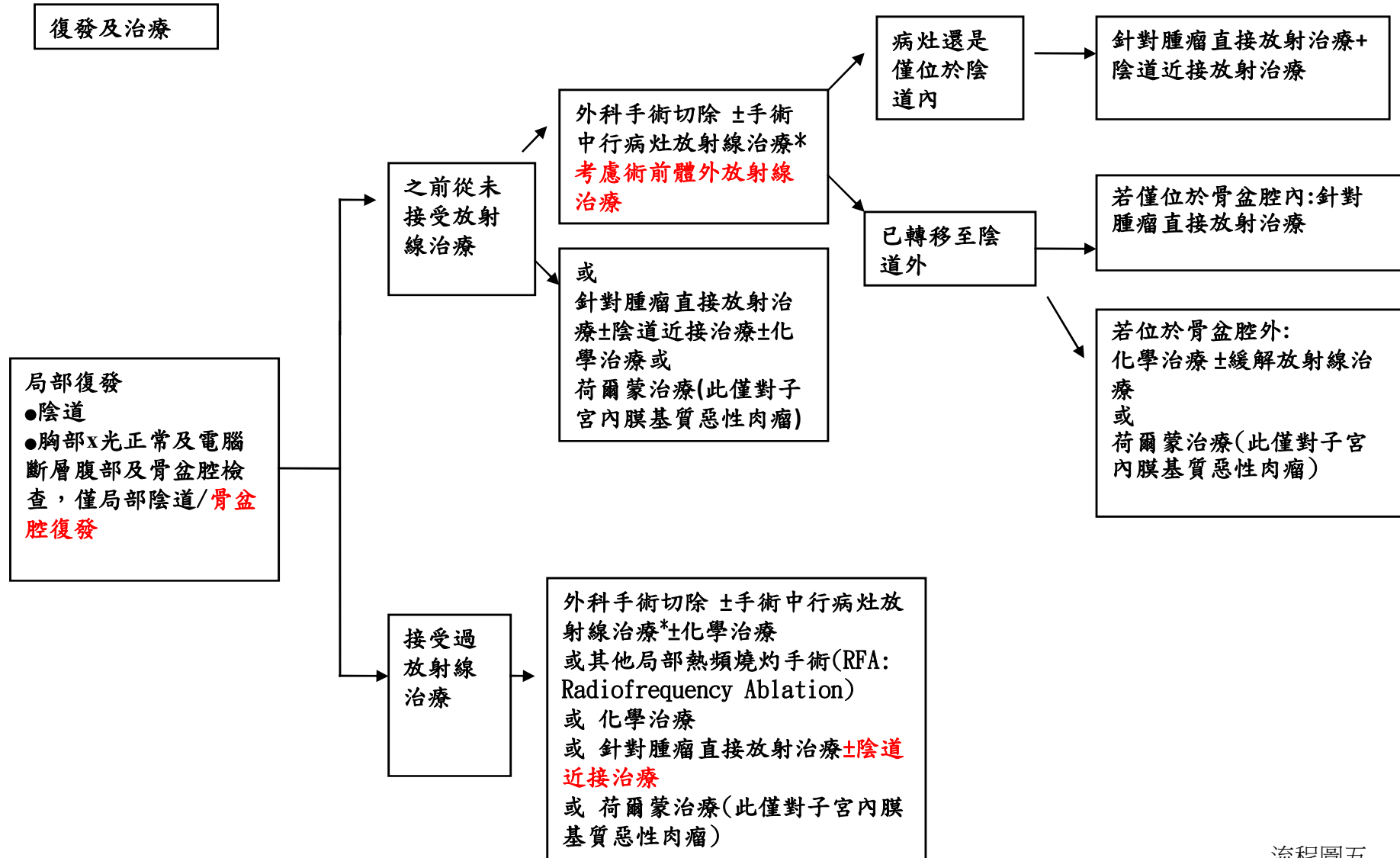
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追蹤表



流程圖四

高雄榮總婦癌團隊子宮惡性肉瘤臨床診療指引



流程圖五

*手術中行病灶放射線治療目前在本科未有此項服務。

■ 子宮惡性肉瘤之化學治療及荷爾蒙治療

SYSTEMIC THERAPY FOR UTERINE SARCOMA¹

(Clinical trials strongly recommended)

Combination regimens:

- Docetaxel/gemcitabine
(preferred for leiomyosarcoma)
- Doxorubicin/ifosfamide
- Doxorubicin/dacarbazine
- Gemcitabine/dacarbazine
- Gemcitabine/vinorelbine

Single-agent options:

- Dacarbazine
- Doxorubicin
- Epirubicin
- Eribulin
- Gemcitabine
- Ifosfamide
- Liposomal doxorubicin
- Pazopanib
- Temozolomide
- Trabectedin³
- Vinorelbine (category 2B)
- Docetaxel (category 3)

HORMONE THERAPY

(For Low-grade ESS or Hormone
Receptor Positive (ER/PR) uLMS²):

- Medroxyprogesterone acetate
(category 2B for ER/PR positive uLMS)
- Megestrol acetate
(category 2B for ER/PR positive uLMS)
- Aromatase inhibitors
- GnRH analogs
(category 2B for low-grade ESS and
ER/PR positive uLMS)

子宮肉癌分類

UTERINE SARCOMA CLASSIFICATION¹

- Low-grade endometrial stromal sarcoma (ESS)²
- High-grade ESS³
- Undifferentiated uterine sarcoma (UUS)⁴
- Uterine leiomyosarcoma (uLMS)⁵

Other Rare Uterine Mesenchymal Sarcoma Subtypes:
(see the [NCCN Guidelines for Soft Tissue Sarcoma](#))

- Adenosarcomas
- PEComas
- Rhabdomyosarcoma

Adjuvant /or Salvage 化學治療

protocol	劑量	時程
DTIC (Decarbazine, Epirubicin, Platinum, Ifosfamide)	Dacarbazine 200mg qd x 5 days Epirubicin 50mg/m ² st Carboplatin AUC x5mg st, CCR < 60 (Cisplatin 50mg/m ² st, CCR ≥ 60) Ifosfamide 4mg/m ² st	Q3W x 6 cycles
Gemcitabine+Docetaxel	D1/D8 Gemcitabine 675-900 mg/m ² D8 Docetaxel 75-100 mg/m ²	Q4W x 6 cycles
Paclitaxel+Cisplatin	Paclitaxel 175 mg/m ² Cisplatin 50 mg/m ²	Q3W x 6 cycles
Paclitaxel+Carboplatin	Paclitaxel 175 mg/m ² Carboplatin AUC(5MG)	Q3W x 6 cycles

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