高雄榮民總醫院

皮膚癌(BCC)診療原則

修訂日期:2023.05.23

Reference: NCCN Clinical Practice Guideline in OncologyTM ,Skin cancer, V.1.2019

BCC診療指引審視修訂會議討論日期

● 上次會議: 2022/04/19

上一版	新版
附件為:NCCN Guidelines 2021年版	更換附件為:NCCN Guidelines 2023年版



高雄榮民總醫院 臨床診療指引 2023第一版

診斷

初步評估

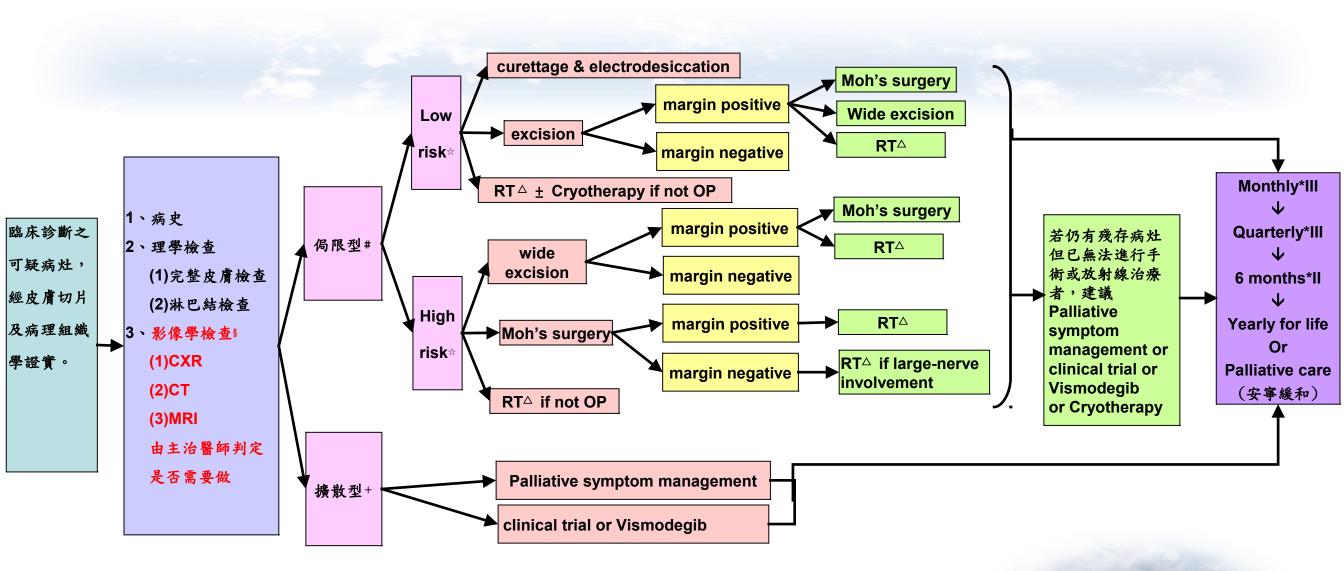
分期

初始治療

療效評估

輔助治療

追蹤



§ : Image studies is indicated for extensive disease (deep structural involvement such as bone, deep soft tissue, perineural disease)

+: regional or distal metastatic disease(初始皮膚病灶治療同侷限型)

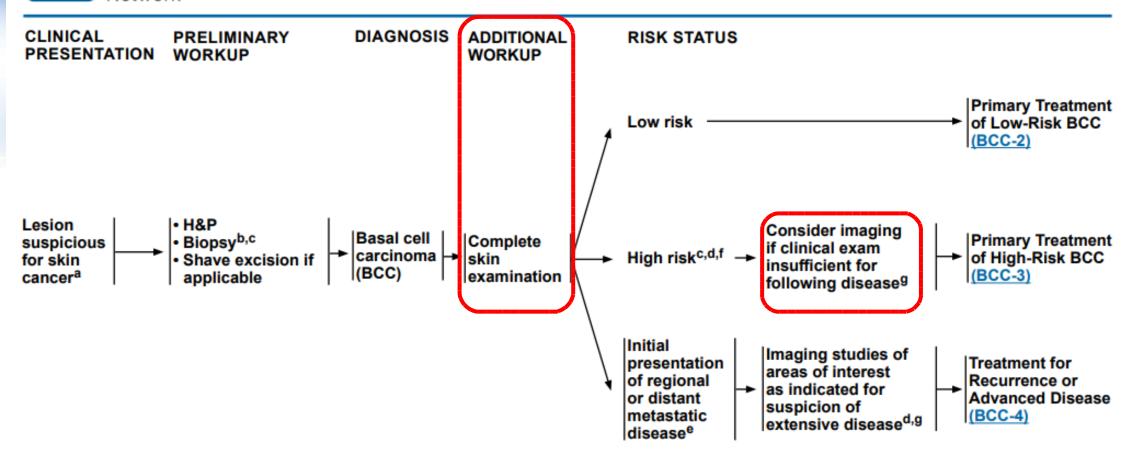
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#: Tany, N0, M0(附件三)



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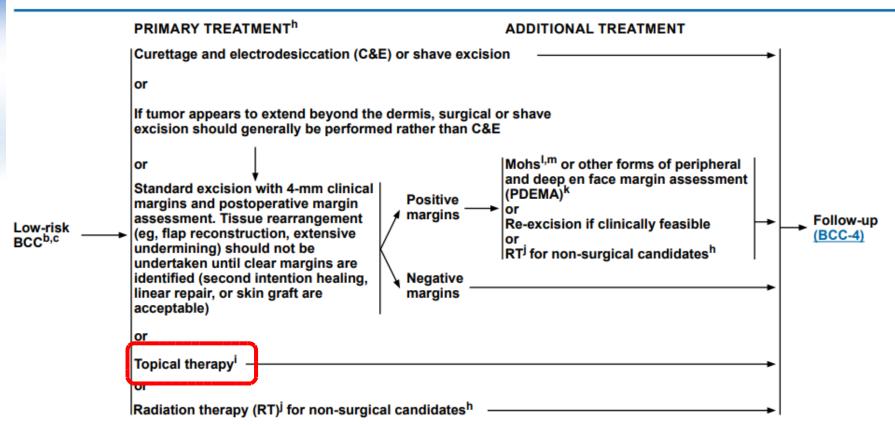


BCC-1

- · Preliminary Workup:
- Bullet removed: Complete skin exam.
- Bullet added: Shave excision if applicable.
- New option header added: Additional Workup
- ▶ New option added: Complete skin examination.
- Risk Status, middle pathway following High risk, new option added: Consider imaging if clinical exam insufficient for following disease.
- Footnote d revised: Extensive disease includes deep structural involvement such as bone, named nerves perineural disease, and deep soft tissue. If
 perineural disease of named nerve(s) is suspected, MRI with contrast is preferred. If bone disease is suspected, CT with contrast is preferred unless
 contraindicated.



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- b Principles of Pathology (BCC-A).
- c Risk Factors for Recurrence (BCC-B).
- h Principles of Treatment (BCC-C)

In patients with superficial basal cell skin cancer, therapies such as topical imiquimod, topical 5-fluorouracil, photodynamic therapy, or cryotherapy may be considered, although cure rates are approximately 10% lower than for surgical treatment modalities. Jansen MHE, et al. J Invest Dermatol 2018;138:527-533. Drew BA, et al. Dermatol Surg 2017;43:1423-1430.

Principles of Radiation Therapy (BCC-D).

k PDEMA with permanent section analysis or intraoperative frozen section analysis is an alternative to Mohs. See Principles of PDEMA Technique (SCC-G).

Mohs surgery should be performed by dermatologic surgeons who have specialized training and experience in this procedure.

^m As per other appropriate use criteria. Task Force/Committee Members, Vidal CI, Armbrect EA. Andrea AA, et al. J Am Acad Dermatol 2019:80:189-207.e11.

Note: All recommendations are category 2A unless otherwise indicated.

Clinical Trials: NCCN believes that the best management of any patient with cancer is in a clinical trial. Participation in clinical trials is especially encouraged.

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<u>BCC-2</u>

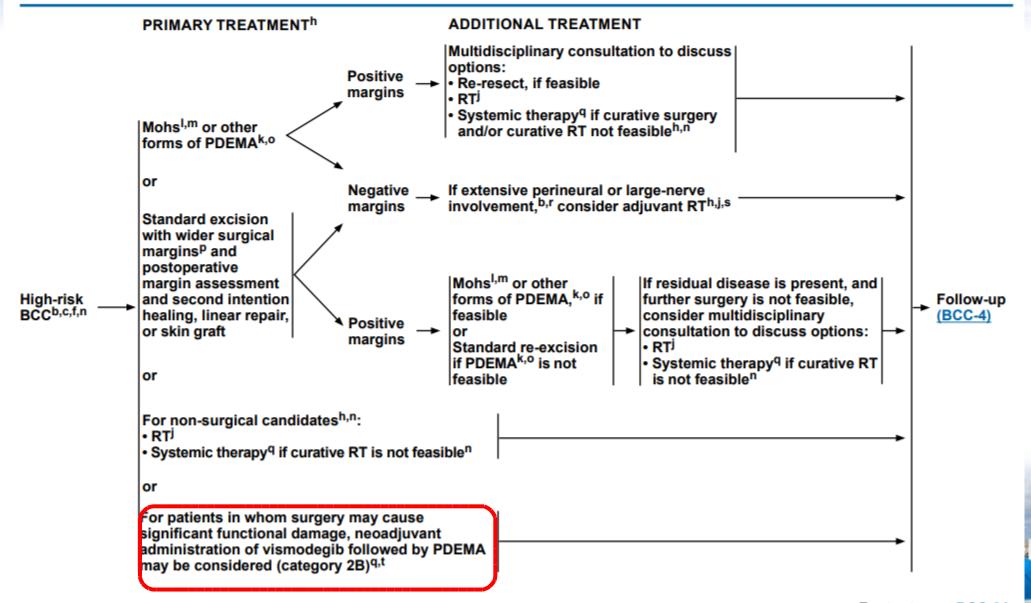
- · Primary Treatment:
- ▶ Top option revised: Curettage and electrodisiccation (C&E) or shave excision: Excluding terminal hair-bearing areas, such as the scalp, pubic and axillary regions, and beard area in males. or.
- ▶ Second option revised: If tumor appears to extend beyond the dermis, surgical or shave excision should generally be performed rather than C&E.
- ▶ New option added: Topical therapy.
- Footnote removed: For tumors on cheeks, forehead, scalp, neck, and pretibia that are <6 mm in depth and confined to the dermis, C&E may be considered as an alternative primary treatment option if Mohs, resection with PDEMA, and standard excision are not feasible due to patient comorbidities. See Risk Factors for Recurrence (BCC-B).
- New footnotes added:
- Footnote I: Mohs surgery should be performed by dermatologic surgeons who have specialized training and experience in this procedure. (Also page BCC-3A)
- ▶ Footnote m: As per other appropriate use criteria. Task Force/Committee Members, Vidal CL, Armbrect EA, Andrea AA, et al. J Am Acad Dermatol 2019;80:189-207.e11. (Also page BCC-3A)

BCC-2





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Footnotes on BCC-3A

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Comprehensive NCCN Guidelines Version 1.2023 **Basal Cell Skin Cancer**

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STRATIFICATION TO DETERMINE TREATMENT OPTIONS FOR LOCAL BCC BASED ON RISK FACTORS FOR RECURRENCE^a

Risk Group	Low Risk	High Risk		
Treatment options BCC-2		BCC-3		
H&P				
		Trunk, extremities ≥2 cm		
Location/size	Trunk, extremities <2 cm	Head, neck, hands, feet, pretibia, and anogenital (any size) ^c		
Borders	Well-defined	Poorly defined		
Primary vs. recurrent	Primary	Recurrent		
Immunosuppression	(-)	(+)		
Site of prior RT	(-)	(+)		
Pathology (BCC-A)				
Subtype	Nodular, superficial ^b	Aggresive growth pattern ^d		
Perineural involvement	(-)	(+)		

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BCC-B

^a Any high-risk factor places the patient in the high-risk category.

b Low-risk histologic subtypes include nodular, superficial, and other non-aggressive growth patterns such as keratotic, infundibulocystic, and fibroepithelioma of Pinkus.

^c This area constitutes high risk based on location, independent of size. Narrow excision margins due to anatomic and functional constraints are associated with increased recurrence rates with standard histologic processing. Complete margin assessment such as with Mohs or PDEMA is recommended for optimal tumor clearance and maximal tissue conservation. For tumors <6 mm in size, without other high-risk features, other treatment modalities may be considered if at least 4-mm clinically tumor-free margins can be obtained without significant anatomic or functional distortions.

d Having basosquamous, infiltrative, sclerosing/morpheaform, micronodular, and BCC with carcinosarcomatous differentiation features in any portion of the tumor. In some cases, basosquamous tumors may be prognostically similar to squamous cell carcinoma (SCC); clinicopathologic correlation is recommended in these cases to further consider prognostic implication.



Comprehensive Cancer Basal Cell Skin Cancer

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STRATIFICATION TO DETERMINE TREATMENT OPTIONS FOR LOCAL BCC BASED ON RISK FACTORS FOR RECURRENCE¹

Risk Group	Low Risk	High Risk		
Treatment Options	See BCC-2	See BCC-3		
H&P				
Location/size	Trunk, extremities <2 cm	Trunk, extremities ≥2 cm		
		Cheeks, forehead, scalp, neck, and pretibia (any size)		
		Head, neck, hands, feet, pretibia, and anogenital (any size) ³		
Borders	Well-defined	Poorly defined		
Primary vs. recurrent	Primary	Recurrent		
Immunosuppression	(-)	(+)		
Site of prior RT	(-)	(+)		
Pathology (See BCC-A)				
Subtype	Nodular, superficial ²	Aggressive growth pattern ⁴		
Perineural involvement	(-)	(+)		

1 Any high-risk factor places the patient in the high-risk category.

Low-risk histologic subtypes include nodular, superficial, and other non-agressive growth patterns such as keratotic, infundibulocystic, and fibroepithelioma of Pinkus.
 This area constitutes high risk based on location, independent of size. Narrow excision margins due to anatomic and functional constraints are associated with

⁴ Having (mixed) infiltrative, micronodular, morpheaform, basosquamous, sclerosing, or carcinosarcomatous differentiation features in any portion of the tumor. In some cases basosquamous tumors may be prognostically similar to SCC; clinicopathologic correlation is recommended in these cases.

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всс-в



This area constitutes high risk based on location, independent of size. Narrow excision margins due to anatomic and functional constraints are associated with increased recurrence rates with standard histologic processing. Complete margin assessment such as with Mohs or PDEMA is recommended for optimal tumor clearance and maximal tissue conservation. For tumors <6 mm in size, without other high-risk features, other treatment modalities may be considered if at least 4-mm clinically tumor-free margins can be obtained without significant anatomic or functional distortions.</p>

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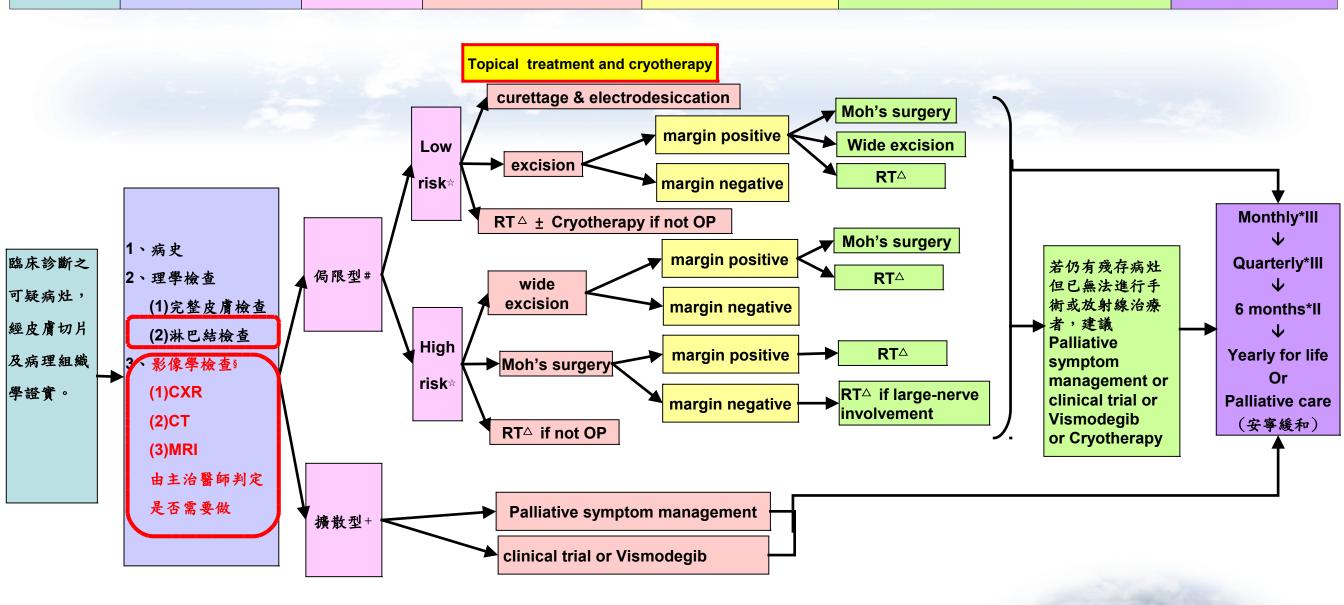
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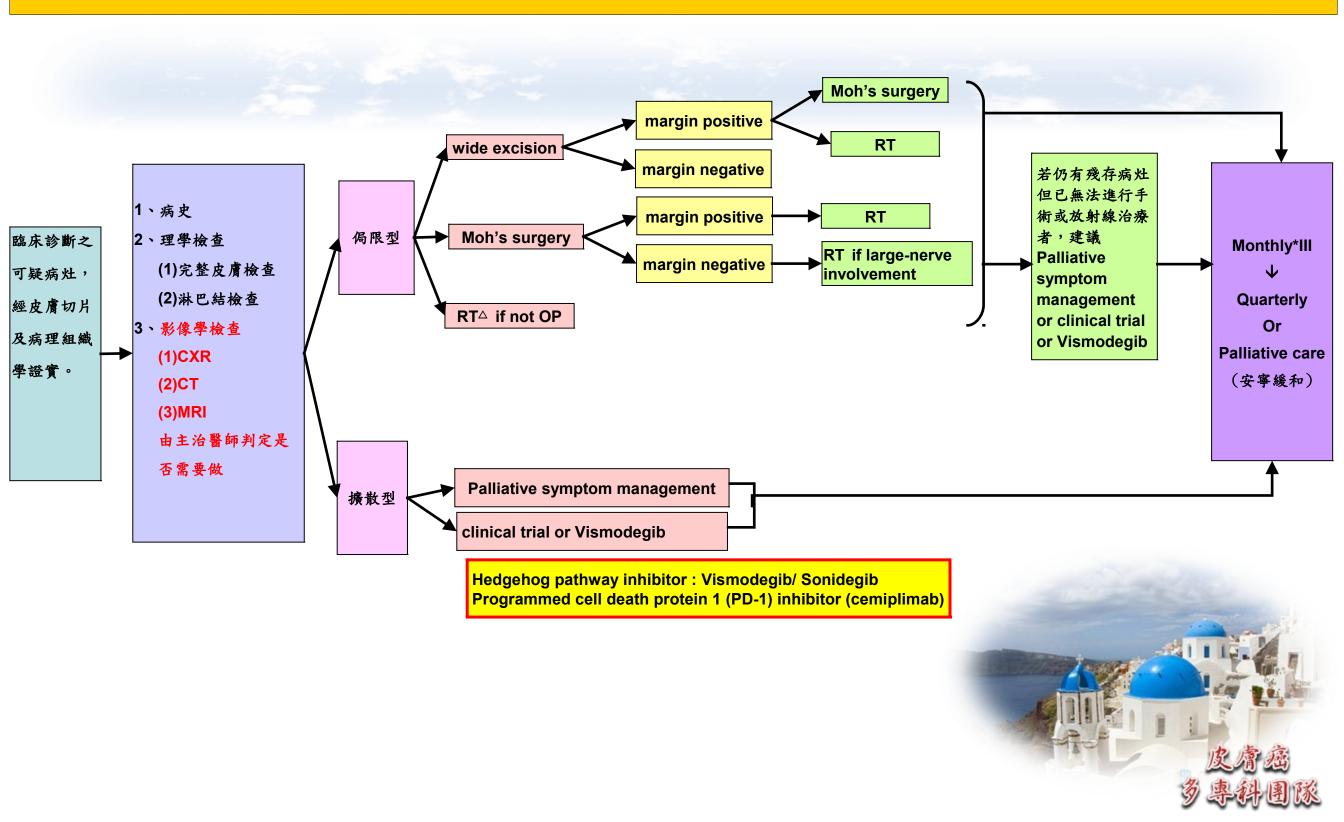
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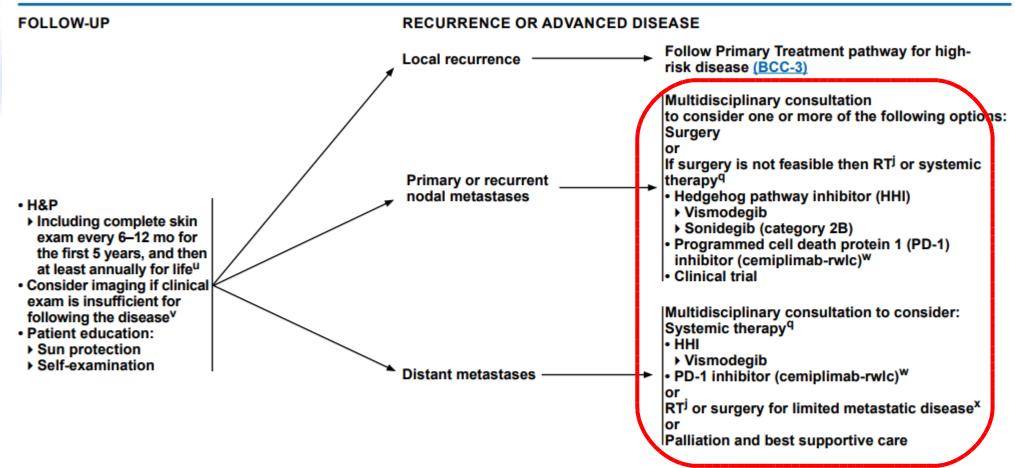


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Principles of Radiation Therapy (BCC-D).

- Principles of Systemic Therapy (BCC-E).
- Follow-up with a dermatologist is strongly recommended if any of the following criteria are met: past or imminent solid organ, marrow, or stem cell transplant, one or more cutaneous melanomas in the past 5 years, or four or more non-melanoma skin cancers in the past 5 years.
- V Imaging modality and targeted area should be at the discretion of the treating team based on the suspected extent of disease (ie, local, regional, metastatic). Histologic confirmation is often sufficient to diagnose local recurrence, but MRI can be considered to assess extent of local disease. For nodal or distant metastasis, histologic analysis and/or CT imaging can be used for confirmation and to gauge extent of disease.
- W Cemiplimab-rwlc is recommended for patients with locally advanced or metastatic basal cell carcinoma (mBCC) previously treated with an HHI or for whom an HHI is not appropriate.
- X Under highly selective circumstances, in the context of multidisciplinary consultation, resection of limited metastases can be considered.

Note: All recommendations are category 2A unless otherwise indicated.

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BCC.



癌症藥物停藥準則

- ➤ 根據CTCAE (Common Terminology Criteria for Adverse Events, Version 4.0 Published: May 28, 2009 【v4.03: June 14, 2010】),出 現Grade 3 ~ Grade 4 adverse event。
- ▶ 停藥至adverse event回復至Grade 1或Baseline時可再次用藥,但有些 患者必須 調整用藥劑量。
- 》特定藥物治療下疾病仍持續進展,根據追蹤及評估顯示疾病對此特定藥物治療無效 (考慮停止投藥並選擇其他治療方法)。
- > 病患要求 (Hospice care或其他因素)。
- > 病患死亡。



附件一:



Comprehensive Cancer Basal Cell Skin Cancer

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STRATIFICATION TO DETERMINE TREATMENT OPTIONS FOR LOCAL BCC BASED ON RISK FACTORS FOR RECURRENCE¹

Risk Group	Low Risk	High Risk			
Treatment Options	See BCC-2	See BCC-3			
H&P	H&P				
Location/size	Trunk, extremities <2 cm	Trunk, extremities ≥2 cm			
		Cheeks, forehead, scalp, neck, and pretibia (any size)			
		Head, neck, hands, feet, pretibia, and anogenital (any size)3			
Borders	Well-defined	Poorly defined			
Primary vs. recurrent	Primary	Recurrent			
Immunosuppression	(-)	(+)			
Site of prior RT	(-)	(+)			
Pathology (See BCC-A)					
Subtype	Nodular, superficial ²	Aggressive growth pattern ⁴			
Perineural involvement	(-)	(+)			

1 Any high-risk factor places the patient in the high-risk category.

Low-risk histologic subtypes include nodular, superficial, and other non-agressive growth patterns such as keratotic, infundibulocystic, and fibroepithelioma of Pinkus.
 This area constitutes high risk based on location, independent of size. Narrow excision margins due to anatomic and functional constraints are associated with

⁴ Having (mixed) infiltrative, micronodular, morpheaform, basosquamous, sclerosing, or carcinosarcomatous differentiation features in any portion of the tumor. In some cases basosquamous tumors may be prognostically similar to SCC; clinicopathologic correlation is recommended in these cases.

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BCC-B



This area constitutes high risk based on location, independent of size. Narrow excision margins due to anatomic and functional constraints are associated with increased recurrence rates with standard histologic processing. Complete margin assessment such as with Mohs or PDEMA is recommended for optimal tumor clearance and maximal tissue conservation. For tumors <6 mm in size, without other high-risk features, other treatment modalities may be considered if at least 4-mm clinically tumor-free margins can be obtained without significant anatomic or functional distortions.

附件二:



NCCN Guidelines Version 1.2022 Basal Cell Skin Cancer

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PRINCIPLES OF RADIATION THERAPY

General Principles

- Protracted fractionation is associated with improved cosmetic results and should be utilized for poorly vascularized or cartilaginous areas.
- RT is contraindicated for genetic conditions predisposing to skin cancer (eg, basal cell nevus syndrome) and relatively contraindicated for patients with connective tissue diseases (eg, scleroderma).
- Given higher complication rates, re-irradiation should not be routinely utilized for recurrent disease within a prior radiation field.
- Isotope-based brachytherapy can be an effective treatment for certain sites of disease, particularly on the head and neck.
- There are insufficient long-term efficacy and safety data to support the routine use of electronic surface brachytherapy.

General Treatment Information

Dosing Prescription Regimen

Definitive RT	Examples of Electron Beam Dose and Fractionation
Tumor diameter <2 cm	60-64 Gy over 6-7 weeks
	50-55 Gy over 3-4 weeks
	40 Gy over 2 weeks
	30 Gy in 5 fractions over 2-3 weeks
Tumor diameter ≥2 cm, T3/T4, or	60-70 Gy over 6-7 weeks
those with invasion of bone or deep tissue	45–55 Gy over 3–4 weeks
Postoperative Adjuvant RT	60-64 Gy over 6-7 weeks
	50 Gy over 4 weeks

Note: All recommendations are category 2A unless otherwise indicated.

Clinical Trials: NCCN believes that the best management of any patient with cancer is in a clinical trial. Participation in clinical trials is especially encouraged.

BCC-D



附件三-1:



rvationai Cancer

Comprehensive NCCN Guidelines Version 1.2014 Basal and Squamous Cell Skin Cancers

現在使用AJCC第 八版的Skin tumor 在頭頸部及牛殖部 位才需要staging

> NCCN Guidelines Index Basal and Squamous Cell TOC Discussion

Staging

7	a	ы	le	1

American Joint Committee on Cancer (AJCC)

TNM Staging Classification for Cutaneous Squamous Cell Carcinoma (cSCC) and Other Cutaneous Carcinomas

(7th ed., 2010)

Primary Tumor (T)*

TX Primary tumor cannot be assessed

No evidence of primary tumor

Tis Carcinoma in situ

T1 Tumor 2 cm or less in greatest dimension with less than two high-risk features**

T2 Tumor greater than 2 cm in greatest dimension

Tumor any size with two or more high-risk feature

T3 Tumor with invasion of maxilla, mandible, orbit, or temporal bone

T4 Tumor with invasion of skeleton (axial or appendicular) or perineural invasion of skull base

*Excludes cSCC of the eyelid

** High-risk features for the primary tumor (T) staging

Depth/invasion > 2 mm thickness

> Clark level ≥ IV Perineural invasion

Primary site ear Anatomic

location Primary site non-hair-bearing lip Poorly differentiated or undifferentiated Differentiation

Regional Lymph Nodes (N)

Regional lymph nodes cannot be assessed

 N_0 No regional lymph node metastases

Metastasis in a single ipsilateral lymph node, 3 cm or less in Ν1 greatest dimension

N2 Metastasis in a single ipsilateral lymph node, more than 3 cm but not more than 6 cm in greatest dimension; or in multiple ipsilateral lymph nodes, none more than 6 cm in greatest dimension; or in bilateral or contralateral lymph nodes, none more than 6 cm in greatest dimension

N2a Metastasis in a single ipsilateral lymph node, more than 3 cm but not more than 6 cm in greatest dimension

N2b Metastasis in multiple ipsilateral lymph nodes, none more than 6 cm in greatest dimension

N2c Metastasis in bilateral or contralateral lymph nodes, none more than 6 cm in greatest dimension

Ν3 Metastasis in a lymph node, more than 6 cm in greatest dimension

Distant Metastasis (M)

No distant metastases

Distant metastases М1

Continue

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附件三-2:



NCCN Guidelines Version 1.2014 Basal and Squamous Cell Skin Cancers

NCCN Guidelines Index
Basal and Squamous Cell TOC
Discussion

Table 1 Continued		Histologic Grade (G)			
American Joint Committee on Cancer (AJCC)		GX Grade c	Grade cannot be assessed		
TNM Staging Classification for Cutaneous Squamous Cell Carcinoma (cSCC) and Other Cutaneous Carcinomas (7th ed., 2010) Anatomic Stage/Prognostic Groups		G1	Well differentiated		
		G2	Moderately differentiated		
		G3	Poorly differentiated		
Stage 0	Tis			G4	Undifferentiated
Stage I	T1	N0	MO		
Stage II	T2	N0	MO		
Stage III	T3	N0	M0		
	T1	N1	M0		
	T2	N1	M0		
	T3	N1	M0		
Stage IV	T1	N2	M0		
	T2	N2	M0		
	T3	N2	M0		
	T Any	N3	M0		
	T4	N Any	MO		
	T Any	N Any	M1		

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Reference

- 1. NCCN Clinical Practice Guideline in Oncology, Basal and Squamous Cell Skin Cancers, Version 1.2022.
- 2. G Ital Dermatol Venereol. 2016 Feb;151(1):77-86. Epub 2014 Jun 30. Treatments of advanced basal cell carcinoma: a review of the literature.
- 3. Sekulic A, Migden MR, Basset-Seguin N, et al. Long-term safety and efficacy of vismodegib in patients with advanced basal cell carcinoma (aBCC): 18-month update of the pivotal ERIVANCE BCC study. ASCO Meeting Abstracts 2013;31:9037.
- 4. Mendenhall WM, Ferlito A, Takes RP, et al. Cutaneous head and neck basal and squamous cell carcinomas with perineural invasion. Oral Oncol 2012;48:918-922.
- 5. Sekulic A, Migden MR, Oro AE, et al. Efficacy and safety of vismodegib in advanced basal-cell carcinoma. N Engl J Med 2012;366:2171-2179.
- 6. Lott DG, Manz R, Koch C, Lorenz RR. Aggressive behavior of nonmelanotic skin cancers in solid organ transplant recipients. Transplantation 2010;90:683-687.
- 7. Basosquamous carcinoma. J Am Acad Dermatol 2009;60:137-143.
- 8. Mendenhall WM, Amdur RJ, Hinerman RW, et al. Radiotherapy for cutaneous squamous and basal cell carcinomas of the head and neck. Laryngoscope 2009;119:1994-1999.
- 9. Mosterd K, Krekels GA, Nieman FH, et al. Surgical excision versus Mohs' micrographic surgery for primary and recurrent basal-cell carcinoma of the face: a prospective randomised controlled trial with 5-years' follow-up. Lancet Oncol 2008;9:1149-1156.
- 10. Neville JA, Welch E, Leffell DJ. Management of nonmelanoma skin cancer in 2007. Nat Clin Pract Oncol 2007;4:462-469.
- 11. Rodriguez-Vigil T, Vazquez-Lopez F, Perez-Oliva N. Recurrence rates of primary basal cell carcinoma in facial risk areas treated with curettage and electrodesiccation. J Am Acad Dermatol 2007;56:91-95.
- 12. Rubin Al, Chen EH, Ratner D. Basal-cell carcinoma. N Engl J Med 2005;353:2262-2269.
- 13. Bath-Hextall F, Bong J, Perkins W, Williams H. Interventions for basal cell carcinoma of the skin: systematic review. BMJ 2004;329:705.