

Carcinoma of the Penis and Distal Urethra Histopathology Reporting Guide



Family/Last name

Given name(s) Date of birth

Patient identifiers Date of request Accession/Laboratory number

Elements in **black text** are REQUIRED. Elements in **grey text** are RECOMMENDED. SCOPE OF REPORTING GUIDE

CLINICAL INFORMATION (select all that apply)

Not provided

Previous history of penile or urethral cancer, *specify*

Previous therapy, *specify*

Other, *specify*

OPERATIVE PROCEDURE (select all that apply)

| | |
|--|--|
| <input type="checkbox"/> Partial penectomy | <input type="checkbox"/> Circumcision |
| <input type="checkbox"/> Radical penectomy | <input type="checkbox"/> Incisional/punch biopsy |
| <input type="checkbox"/> Glans resurfacing | <input type="checkbox"/> Excisional biopsy |
| <input type="checkbox"/> Glansectomy | <input type="checkbox"/> Urethrectomy |
| <input type="checkbox"/> Lymphadenectomy | <input type="radio"/> Not specified |
| <input type="checkbox"/> Sentinel | |

Left, *number of site(s)* Right, *number of site(s)*

Inguinal
 Left Right

Pelvic
 Left, *specify site(s)*

Right, *specify site(s)*

Other, *specify*

Left, *specify site(s)*

Right, *specify site(s)*

Other, *specify laterality and site(s)*

TUMOUR FOCALITY

Cannot be assessed

Indeterminate

Unifocal

Multifocal, *specify number of tumours in specimen*

MACROSCOPIC TUMOUR SITE (select all that apply)

| | |
|--------------------------------------|---|
| <input type="checkbox"/> Glans penis | <input type="checkbox"/> Distal penile urethra |
| <input type="checkbox"/> Sulcus | <input type="radio"/> No macroscopically visible tumour |
| <input type="checkbox"/> Foreskin | <input type="radio"/> Indeterminate |

MACROSCOPIC MAXIMUM TUMOUR DIMENSIONS

mm Cannot be assessed

mm Not applicable

BLOCK IDENTIFICATION KEY

(List overleaf or separately with an indication of the nature and origin of all tissue blocks)

HISTOLOGICAL TUMOUR TYPE (select all that apply)

(Value list from the World Health Organisation Classification of tumours. Pathology and genetics of urinary system and male genital organs (2016))

Squamous cell carcinoma of usual subtype (NOS)

Basaloid squamous cell carcinoma

Warty (condylomatous) squamous cell carcinoma

Verrucous squamous cell carcinoma

Papillary squamous cell carcinoma

Mixed squamous cell carcinomas, *specify subtypes*

Other, *specify**

*(*refer to extended list in WHO Classification 2016)*

HISTOLOGICAL GRADE (Note 8)

- Not applicable
- G1: Well differentiated
- G2: Moderately differentiated
- G3: Poorly differentiated
- Sarcomatoid areas present

MICROSCOPIC MAXIMUM TUMOUR DIMENSIONS

width mm

- Cannot be assessed
- Not applicable

thickness mm

EXTENT OF INVASION (select all that apply)

Primary tumours of the penis and foreskin

- Cannot be assessed*
- Subepithelial/lamina propria invasion by tumour
- Invasion of corpus spongiosum of glans
- Invasion of corpus cavernosum
- Invasion of the penile urethra
- Invasion of adjacent structures, *specify*

Primary tumours of the distal urethra

- Cannot be assessed*
- Subepithelial/lamina propria invasion by tumour
- Invasion of corpus spongiosum
- Invasion of corpus cavernosum
- Invasion of adjacent structures, *specify*

* Only applicable to biopsy specimens and resection specimens with tumours at the margins.

LYMPHOVASCULAR INVASION

- Not identified
- Present
- Indeterminate

PERINEURAL INVASION

- Not identified
- Present
- Indeterminate

ASSOCIATED PENILE INTRAEPITHELIAL NEOPLASIA (PeIN)

- Not identified
- Indeterminate
- Present

- Undifferentiated (Warty and/or Basaloid)
- Differentiated

MARGIN STATUS

Urethral margin (primary tumours of the penis and foreskin (resections and excision biopsy only))

- Not applicable
- Cannot be assessed
- Involved by PeIN only
- Involved by invasive carcinoma
- Not involved

Distance to invasive tumour

OR >5 mm

Proximal urethral margin (primary tumours of the urethra only)

- Not applicable
- Cannot be assessed
- Involved by PeIN only
- Involved by invasive carcinoma
- Not involved

Distance to invasive tumour

OR >5 mm

Distal urethral margin (primary tumours of the urethra only)

- Not applicable
- Cannot be assessed
- Involved by PeIN only
- Involved by invasive carcinoma
- Not involved

Distance to invasive tumour

OR >5 mm

Peri-urethral tissues

- Not applicable
- Cannot be assessed
- Involved by invasive carcinoma
- Not involved

Distance to invasive tumour

OR >5 mm

Corpus cavernosum

- Not applicable
- Cannot be assessed
- Involved by invasive carcinoma
- Not involved

Distance to invasive tumour

OR >5 mm

Circumferential shaft margin

- Not applicable
- Cannot be assessed
- Involved by invasive carcinoma
- Not involved

Distance to invasive tumour

OR >5 mm

Peripheral cutaneous margin

- Not applicable
- Cannot be assessed
- Involved by PeIN only
- Involved by invasive carcinoma
- Not involved

Distance to invasive tumour

OR >5 mm

Peripheral glans margin

- Not applicable
- Cannot be assessed
- Involved by PeIN only
- Involved by invasive carcinoma
- Not involved



Distance to invasive tumour

OR >5 mm

Deep soft tissue margins (NOS)

- Not applicable
- Cannot be assessed
- Involved by invasive carcinoma
- Not involved



Distance to invasive tumour

OR >5 mm

Other margin, specify

- Not applicable
- Cannot be assessed
- Involved by PeIN only
- Involved by invasive carcinoma
- Not involved



Distance to invasive tumour

OR >5 mm

LYMPH NODE STATUS (select all that apply) 

INGUINAL NODES - SENTINEL

RIGHT

Not submitted

Number of lymph nodes examined

- Not involved
- Isolated tumour cells only
- Involved

▼ Number of positive lymph nodes

OR Number cannot be determined

Maximum dimension of largest deposit

Extracapsular spread

- Present
- Not identified

LEFT

Not submitted

Number of lymph nodes examined

- Not involved
- Isolated tumour cells only
- Involved

▼ Number of positive lymph nodes

OR Number cannot be determined

Maximum dimension of largest deposit

Extracapsular spread

- Present
- Not identified

INGUINAL NODES - NON SENTINEL

RIGHT

Not submitted

Number of lymph nodes examined

- Not involved
- Isolated tumour cells only
- Involved

▼ Number of positive lymph nodes

OR Number cannot be determined

Maximum dimension of largest deposit

Extracapsular spread

- Present
- Not identified

LEFT

Not submitted

Number of lymph nodes examined

- Not involved
- Isolated tumour cells only
- Involved

▼ Number of positive lymph nodes

OR Number cannot be determined

Maximum dimension of largest deposit

Extracapsular spread

- Present
- Not identified

PELVIC NODES**RIGHT** Not submittedNumber of lymph nodes examined Not involved Isolated tumour cells only Involved▼ Number of positive lymph nodes OR Number cannot be determined

Maximum dimension of largest deposit

 mm

Extracapsular spread

 Present Not identified**LEFT** Not submittedNumber of lymph nodes examined Not involved Isolated tumour cells only Involved▼ Number of positive lymph nodes OR Number cannot be determined

Maximum dimension of largest deposit

 mm

Extracapsular spread

 Present Not identified**OTHER NODES** (specify laterality and site) Not submittedNumber of lymph nodes examined Not involved Isolated tumour cells only Involved▼ Number of positive lymph nodes OR Number cannot be determined

Maximum dimension of largest deposit

 mm

Extracapsular spread

 Present Not identified**PATHOLOGICAL STAGING (AJCC TNM 8th edition)****  m - multiple primary tumours r - recurrent y - post-therapy**PENIS AND FORESKIN****Primary tumour (pT)** TX Primary tumour cannot be assessed T0 No evidence of primary tumour Tis Carcinoma in situ (Penile Intraepithelial Neoplasia [PeIN]) Ta Non invasive localised squamous cell carcinoma* T1 Tumour invades subepithelial connective tissue, dermis or lamina propria** T1a Tumour is without lymphovascular invasion or perineural invasion and is not high grade T1b Tumour exhibits lymphovascular invasion and/or perineural invasion or is high grade T2 Tumour invades into corpus spongiosum with or without urethral invasion T3 Tumour invades into corpora cavernosum with or without urethral invasion T4 Tumour invades other adjacent structures

* The authors do not recommend the use of the pTa category as it is not evidence based.

** Refer to section 16 for site specific guidance in TNM8.

Regional lymph nodes (pN) NX Lymph node metastasis cannot be established N0 No lymph node metastasis N1 ≤2 unilateral inguinal metastases, no ENE N2 ≥3 unilateral inguinal metastases or bilateral metastases N3 Extranodal extension of lymph node metastasis or pelvic lymph node metastases**PENILE URETHRA****Primary tumour (pT)** TX Primary tumour cannot be assessed T0 No evidence of primary tumour Ta*** Non-invasive papillary carcinoma Tis**** Carcinoma in situ T1 Tumour invades subepithelial connective tissue T2 Tumour invades any of the following: corpus spongiosum, periurethral muscle T3 Tumour invades any of the following: corpus cavernosum T4 Tumour invades other adjacent organs

*** This category includes non-invasive papillary urothelial carcinomas but these are very rare in the distal urethra.

**** This category includes PeIN type changes within the urethra.

Regional lymph nodes (pN) NX Regional lymph nodes cannot be assessed N0 No regional lymph node metastasis N1 Single regional lymph node metastasis N2 Multiple regional lymph node metastases

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