

Prostate Cancer Histopathology Reporting Guide

Radical Prostatectomy Specimen



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 prostate cancer (including the Gleason grade and score of previous specimens if known)
- Previous biopsy, specify date and where performed
- Previous therapy, specify
- Other, specify

PRE-BIOPSY SERUM PSA ng/mL

SPECIMEN WEIGHT
(weight of the prostate gland without the seminal vesicles)

g

SPECIMEN DIMENSIONS (of the prostate gland)

x x

SEMINAL VESICLES

- Absent
- Present (partially or completely resected)

LYMPH NODES

- Absent
- Present (partially or completely resected)

↓
Laterality

- Left
- Right
- Bilateral
- Other

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)

- Adenocarcinoma (Acinar, usual type)
- Other, specify

HISTOLOGICAL GRADE

Gleason score

Indicate how Gleason score is being reported:

- Largest tumour nodule present
- Highest score tumour (if it is smaller than the largest)
- Composite (global) score

Primary pattern/grade

- 1
- 2
- 3
- 4
- 5

Secondary pattern/grade

- 1
- 2
- 3
- 4
- 5

Tertiary pattern/grade (if present and higher than primary and secondary grade)

- 3
- 4
- 5
- Not applicable

Indeterminate, specify reason

International Society of Urological Pathology (ISUP) Grade (Grade Group)

Indicate how ISUP grade is being reported:

- Largest tumour nodule present
- Highest grade tumour (if it is smaller than the largest)
- Composite (global) grade

- ISUP Grade (Grade Group) 1 (Gleason score ≤6)
- ISUP Grade (Grade Group) 2 (Gleason score 3+4=7)
- ISUP Grade (Grade Group) 3 (Gleason score 4+3=7)
- ISUP Grade (Grade Group) 4 (Gleason score 8)
- ISUP Grade (Group Group) 5 (Gleason score 9-10)
- Indeterminate, specify reason

Percentage Gleason pattern 4/5 (applicable for Gleason scores ≥7)

Indicate how Gleason pattern 4/5 is being reported:

- Largest tumour nodule present
- Highest score tumour (if it is smaller than the largest)
- Carcinoma as a whole

%

Not identified

INTRAGLANDULAR EXTENT

Tumour identified

% mm mL(cc)

Other units

(specify)

No tumour identified

EXTRAPROSTATIC EXTENSION

Not identified Present Indeterminate

↓

Location(s)

Extent

Focal Non-focal

SEMINAL VESICLE INVASION

Not identified Present Not applicable*

**Refers to rare cases where seminal vesicles are not included in specimen.*

URINARY BLADDER NECK INVASION

Not identified Present Not applicable*

**Refers to cases where bladder neck is not included in specimen.*

INTRADUCTAL CARCINOMA OF PROSTATE

Not identified Present

MARGIN STATUS

Not involved Involved Indeterminate

↓

Location of positive margin(s)

Type of margin positivity

Indeterminate

Extraprostatic (EPE)

Intraprostatic (capsular incision)

Extent of margin positivity*

<3 mm linear extent

≥3 mm linear extent

**If more than 1 positive margin, the extent should reflect the cumulative length.*

Gleason pattern of tumour present at positive margin*

**If more than 1 pattern at margin select highest.*

Gleason pattern 3

Gleason pattern 4/5

LYMPHOVASCULAR INVASION

Not identified Present Indeterminate

LYMPH NODE STATUS

Number of lymph nodes examined

Number of involved nodes



Laterality

Left Right Bilateral Other

Maximum dimension of largest deposit

mm

PATHOLOGICAL STAGING (AJCC TNM 8th edition)**

- m - multiple primary tumours
- r - recurrent
- y - post neoadjuvant therapy

Primary tumour (pT)

- TX Primary tumour cannot be assessed
- T0 No evidence of primary tumour
- T2 Organ confined
- T3 Extraprostatic extension
- T3a Extracapsular extension (unilateral or bilateral) or microscopic invasion of bladder neck
- T3b Tumour invades seminal vesicle(s)
- T4 Tumour is fixed or invades adjacent structures other than seminal vesicles such as external sphincter, rectum, levator muscles, and/or pelvic wall

Regional lymph nodes (pN)

- NX Regional nodes were not assessed
- N0 No positive regional nodes
- N1 Metastases in regional node(s)

Distant metastasis (pM)*

- Not applicable
- M1 Distant metastasis
- M1a Non-regional lymph node(s)
- M1b Bone(s)
- M1c Other site(s) with or without bone disease

* *Note: When more than 1 site of metastasis is present, the most advanced category is used. pM1c is the most advanced category.*

** Used with the permission of the American College of Surgeons, Chicago, Illinois. The original source for this information is the AJCC Cancer Staging Manual, Eighth Edition (2016) published by Springer Science+Business Media.