



SHRI VIDEO TRAINING SERIES
2018 DX
Recorded 9/2019

Prostate MPH & Grade

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Iowa Cancer Registry
2019

Other Sites- Terms & Definitions

Use these rules for cases with primary prostate cancer

- Equivalent Term
 - Acinar adenocarcinoma, adenocarcinoma (For prostate primaries only)

Other Sites – Prostate

Searching Prostate in the MPH:

Rule M3

- Adenocarcinoma of prostate is always a single primary
- Note 1: Report only one adenocarcinoma of prostate per pt lifetime
- Note 2: 95% of prostate malignancies are common (acinar) adenoca histology (8140).
- Note 3: If pt has previous acinar adenoca of prostate in database and is dx with adenoca later it is a single primary.

Acinar adenoca of prostate coded to 8140/3 only

Other Sites-Prostate

Rule H10

- Code 8140 (adenoca nos) for prostate primaries when the diagnosis is acinar (adeno)carcinoma.

Rule H20

- Code 8140 (adenocarcinoma, NOS) for prostate primaries when dx is acinar (adeno)carcinoma.

Prostate multiple primary?

C. Prostate, prostatectomy:

Prostatic **adenocarcinoma**, Gleason score 4+3=7 (grade group 2), with tertiary pattern 5.

Tumor involves both lobes with focal extraprostatic extension.

All surgical margins free of tumor.

Perineural invasion identified.

Lymphovascular invasion identified.

Separate incidental **well-differentiated neuroendocrine tumor (carcinoid tumor)**, 0.1 cm in greatest dimension confined to the prostate (chromogranin, synaptophysin, PSA, PSAP and CK7 positive) with no mitoses identified.

Seminal vesicles free of tumor.

Question 20180088 SEER

Solid Tumor Rules (2018)/Multiple primaries--Prostate: How many primaries are abstracted and what M Rule applies when a patient is diagnosed with prostate adenocarcinoma in 2014, followed by liver mass biopsy showing neuroendocrine carcinoma, small cell type of the prostate in 2018?

SEER Answer

The guidance provided in SINO 20130221 still applies. Accession two primaries, adenocarcinoma (8140/3) of the prostate (C61.9), followed by small cell (neuroendocrine) carcinoma (8041/3) of the prostate (C61.9) for each of the examples given per Rule M10 of the 2018 Solid Tumor Rules, Prostate.

In each case, the second histology (because it is not adenocarcinoma) is a new prostate primary. Small cell carcinoma and small cell neuroendocrine carcinoma are not adenocarcinomas. As a result, they are not covered by Rule M3.

For the case described in this SINO submission, based on the findings of a lobular mass in the prostate bed, this is a second primary (there is residual prostatic tissue).

This is unchanged from the 2007 Multiple Primary Rules for Other Sites.

MORPHOLOGY CODES

❖ Adenocarcinoma (8140/3)

- ❖ 95% of all prostate cancers

❖ Rare histologies (The rest of 5%)

- ❖ Acinar adenocarcinoma, sarcomatoid 8572/3
- ❖ Transitional cell carcinoma (8120/3)
- ❖ Small cell carcinoma (8041/3)
- ❖ Squamous cell carcinoma (8070/3)

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ICD-O Tables

Effective January 1, 2018
ICD-O-3 codes, behaviors and terms are site-specific
Alpha Order
Last updated 8/22/18

Status	ICD-O-3 Morphology Code	Term	Reportable Y/N	Comments
New Term	8550/3	Acinar adenocarcinoma (C64.)	Y	Using primaries diagnosed prior to 1/1/2018 use code 8550/3 For prostate (all years) see 8140/3
New Term	8140/3	Acinar adenocarcinoma (C61.9 ONLY)	Y	For prostate only, do not use 8550/3
New Term	8572/3	Acinar adenocarcinoma, sarcomatoid (C61.9)	Y	
New Term	8550/3	Acinar cell carcinoma	Y	Excludes C61.9- see 8140/3

ICD-O SITE CODE

❖C619 Prostate Gland

Easy Enough!!!!!!

❖C680 Prostatic Urethra

❖Rarely, you may get a Transitional Cell CA arising in the prostate. This most likely arises from the prostatic urethra within the prostate (C680)

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Prostate Grade

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CLINICAL GRADE

•CANNOT BE BLANK

•Highest grade from primary tumor assessed clinical time frame

•Codes 1-5 take priority over A-E

•For prostate, **TURP** qualifies for clinical grade only ◀

•Code 9

- Grade from pri site not documented
- Clinical workup not done (i.e. incidental finding during surgery for another condition)
- Grade checked not applicable on CAP and no other info

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Grade Table

Code	Grade Description
1	Grade Group 1: Gleason score less than or equal to 6
2	Grade Group 2: Gleason score 7 Gleason pattern 3+4
3	Grade Group 3: Gleason score 7 Gleason pattern 4+3
4	Grade Group 4: Gleason score 8
5	Grade Group 5: Gleason score 9 or 10
A	Well differentiated
B	Moderately differentiated
C	Poorly differentiated
D	Undifferentiated, anaplastic
E	Stated as "Gleason score 7" with no patterns documented or Any Gleason patterns combination equal to 7 not specified in 2 or 3
9	Grade cannot be assessed; Unknown

PATHOLOGIC GRADE

•PATH GRADE CANNOT BE BLANK

•Assign highest grade from primary tumor. If clinical grade highest, use grade during clinical time frame for both clinical and path grade.

- Resection done and no grade from surgical resection, use grade from clinical workup.
- Resection done and no residual cancer, use grade from clinical workup.

•TURP does not qualify for surgical resection. Must be prostatectomy.

PATHOLOGIC GRADE

- Code 9 when
 - Grade from primary site not documented
 - No resection of primary site
 - Neo-adjuvant therapy followed by a resection
 - Clinical case only
 - Only one grade available, cannot determine if clinical, path or after neoadjuvant therapy
 - Grade checked 'not applicable' on CAP protocol
 - No other info available

POST-THERAPY GRADE

Leave post-therapy grade blank when:

- No neoadjuvant therapy
- Clinical or path case only
- Only one grade available and cannot determine if clinical, path or post therapy

Assign highest grade from resected primary tumor assesses after the completion of neoadjuvant therapy.

Code 9 when:

- Surgical resection done after neoadjuv therapy, grade not doc
- Surgical resection done after neoadjuv therapy and no residual
- Grade checked 'not applicable' on CAP protocol

Grade Exercise #1

2/24/2018 Prostate and seminal vesicles, radical prostatectomy:

Adenocarcinoma, Gleason score 3 + 4 = 7 (Grade Group 2) with tertiary pattern 5 (approximately 25%).

Tumor present in both lobes and apex. Focal high grade prostatic intraepithelial neoplasia. Perineural invasion identified. Lymphovascular space invasion identified. No extraprostatic extension identified. Seminal vesicles free of tumor. Left apex margin involved by tumor (length of 2 mm, pattern 3). All other surgical margins free of tumor.

SSDI Field	Code
Grade Clinical	9
Grade Pathological	2
Grade Post Therapy	blank

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Grade Exercise #2

2/17/2019 Prostate needle biopsy for elev PSA, pT1c Adenocarcinoma of prostate, Gleason 3+4=7.

3/17/2019 Prostate, radical prostatectomy: Adenocarcinoma, Gleason score 4+3=7 (Grade Group 3) with tertiary pattern 5.

Tumor involves both prostate lobes, left and right apex and right base.....Margins not involved, closest posterior left level 5 and right apex margins less than 0.1 cm. AJCC 8th edition stage pT3b pN1.

SSDI Field	Code
Grade Clinical	2
Grade Pathological	3
Grade Post Therapy	blank

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Grade Exercise #3

4/23/18 Prostate needle biopsy: Gleason score 4+4=8.

SSDI Field	Code
Grade Clinical	4
Grade Pathological	4
Grade Post Therapy	blank

5/23/18 Prostatectomy- Prostate, 50.76 grams, prostatectomy: Adenocarcinoma, Gleason score 4+3 = 7 (Grade Group 3), with a tertiary pattern of 5, involving.....All resection margins free of carcinoma.

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SEER*Educate

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- 2018 Grade 1-5
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homework

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Questions

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