

URINARY SITES ABSTRACTING 101 2025 TRAINING EOD & GRADE

Presented by Melissa Riddle, ODS-C
ICR Video Training Series: Iowa Cancer Registry
March 2026



1

GRADE MANUAL V3.2

- Grade Manual
 - https://www.naaccr.org/wp-content/uploads/2024/10/Grade-Coding-Instructions-and-Tables-v3.2_printed.pdf?v=1761770233
- Urinary Grade Table 19
 - Bladder, Renal Pelvis, Urethra (Urethra Prostatic)
- Grade Table 99
 - Urinary Other

2

2

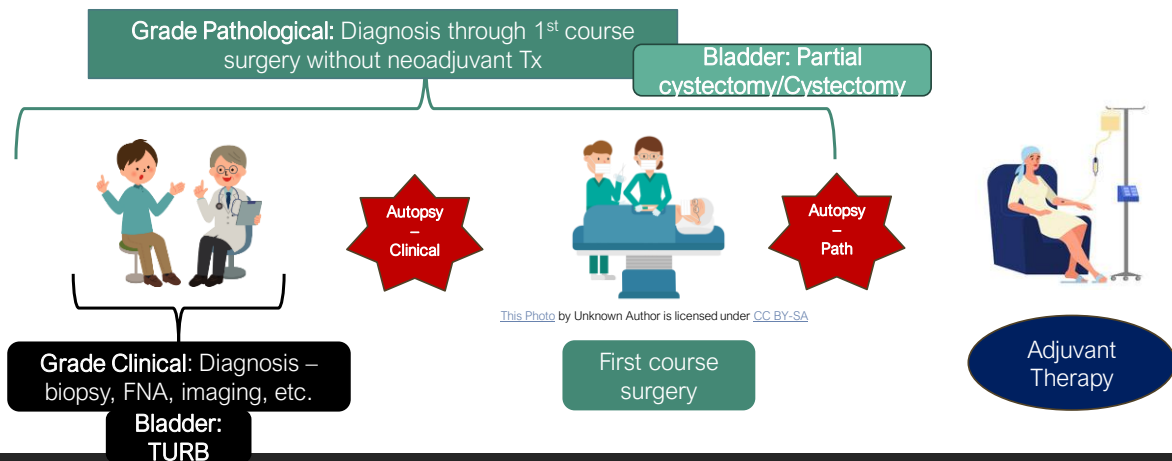
GRADE TABLE 19 – URINARY SITES

- **Clinical Grade**
 - Date of diagnosis until the start of treatment
 - **Bladder: TURB = Clinical grade ONLY** ←
 - Multiple tumors abstracted as a single tumor with different grades – code the highest
 - Do **NOT** leave blank!
- **Pathological Grade**
 - Date of diagnosis until the start of adjuvant treatment (**NO** neoadjuvant therapy)
 - If clinical grade is higher use as pathological grade (see *Note 8*)
 - **Bladder: cystectomy or partial cystectomy = Path grade** ←
 - Multiple tumors abstract as a single – code the highest grade
 - Do **NOT** leave blank!

3

3

Clinical & Path Grade Coding Timeframe



4

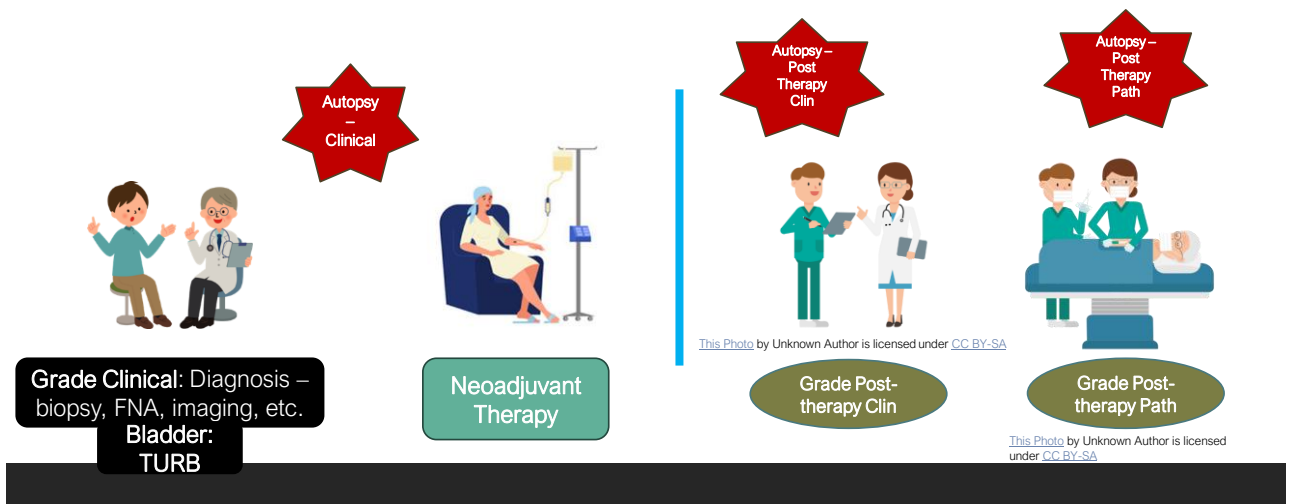
GRADE TABLE 19 – URINARY SITES

- **Grade Post-Therapy Clin (yc)**
 - Leave blank if no neoadjuvant therapy or neoadjuvant therapy performed but no microscopic exam done prior to resection
 - Assign highest grade following neoadjuvant therapy and prior to primary resection
- **Grade Post-Therapy Path (yp)**
 - Leave blank if no neoadjuvant therapy or neoadjuvant therapy completed but no primary resection
 - Assign the highest grade following neoadjuvant therapy from the resected primary tumor
 - Use Grade Post-Therapy Clin grade when it is higher (see Note 8)

5

5

Post-Therapy Grade Coding Timeframe



6

GRADE TABLE 19 – URINARY SITES

Description	Code
G1: Well differentiated	1
G2: Moderately differentiated	2
G3: Poorly differentiated; include anaplastic/undiff	3
LG: Low grade	L
HG: High grade	H
Can't be assessed; unknown	9

ONLY for pure adenocarcinoma (8140) or SCC (8070)

7

Use for urothelial carcinoma types

7

URINARY EOD

8

EOD Primary Tumor

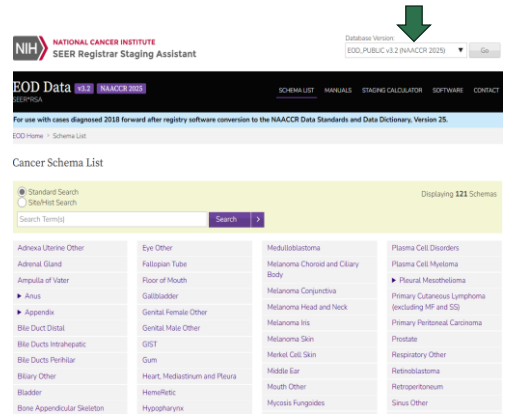
EOD Regional Nodes

EOD Mets

8

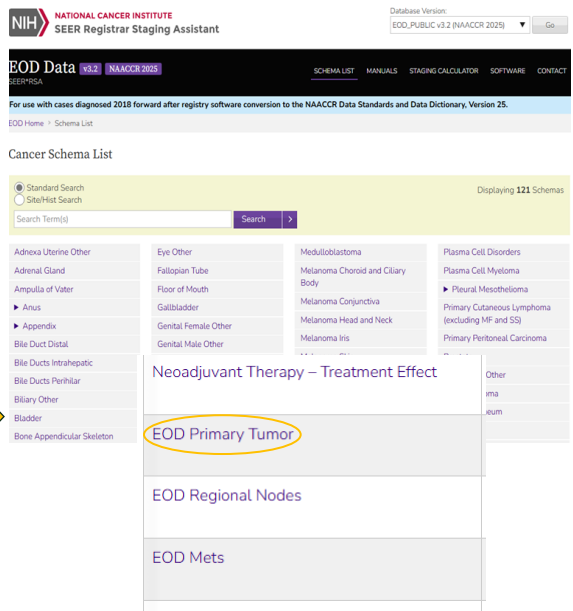
EOD MANUAL V3.2

- General Coding Instructions v3.2
<https://seer.cancer.gov/tools/staging/eod/>
 - Timing Rules
 - What to include – clinical or pathologic findings
 - Rules regarding neoadjuvant therapy
 - Discrepancies between op report/path report
- Site-specific EOD Notes/Codes – SEER*RSA
https://staging.seer.cancer.gov/eod_public/home/3.2/



9

9



10

10

BLADDER EOD PRIMARY TUMOR

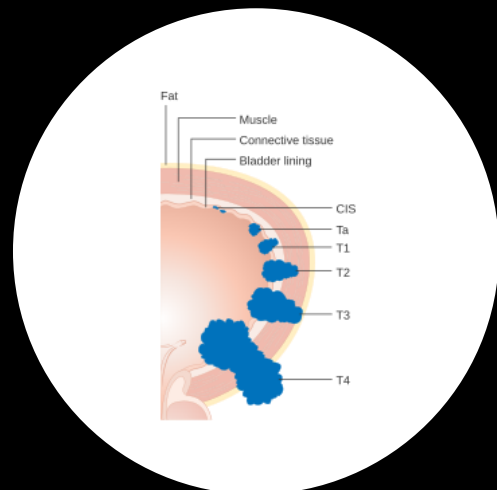
- 9 Notes associated with EOD PT
 - Flat and Papillary bladder cancer
 - Noninvasive papillary transitional carcinoma
 - Noninvasive (in situ) flat transitional cell carcinoma
 - Multifocal noninvasive tumors
 - Invasion of muscularis propria
 - Extension through full thickness of bladder wall
 - In situ tumor with extension to prostate/ureter
 - Direct invasion of the ureter
 - Prostatic urethra

11

11

FLAT AND PAPILLARY BLADDER CANCER

- 2 main types of bladder cancer
 - Flat (sessile) – (CIS)
 - Not projecting up off the bladder wall
 - called in situ when it has not penetrated the basement membrane
 - Papillary – (Ta)
 - Finger-like projections off the bladder wall
 - called noninvasive when it has not penetrated the basement membrane



12

This Photo by Unknown Author is licensed under CC BY-SA-NC

12

NONINVASIVE PAPILLARY TCC

Note 2: lists of terms you may see to describe non-invasive papillary TCC

- Definite Statement Examples: noninfiltrating, no evidence of invasion, no stromal invasion
- Inferred Description Examples: no statement of invasion, no involvement muscularis propria, confined to mucosa

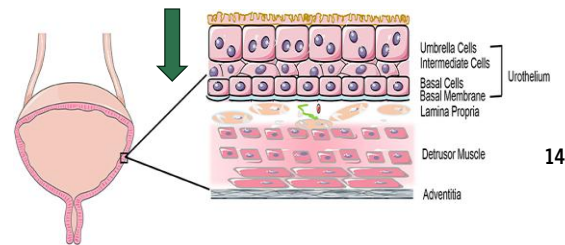
13

Note 3: Noninvasive flat TCC

- Pay careful attention to the term “confined to mucosa”
 - If tumor is confined to epithelium and non-invasive papillary carcinoma – **000**
 - If tumor is confined to epithelium and non-invasive, non-papillary (flat) – **050**
 - If tumor penetrates basement membrane (invade lamina propria) – **100**
 - If distinction between involvement of epithelium & lamina propria can't be made - **100**

13

BLADDER WALL ANATOMY



14

Bladder structural anatomy and histologic characteristics

This Photo by Unknown Author is licensed under CC BY

14

BLADDER EOD PRIMARY TUMOR

Description	Notes	Code	SS18
Papillary (8130/2, 8131/2)	Other non-invasive/in situ histologies see code 050 Note 3: confined to epithelium Note 4: multifocal papillary noninvasive tumors	000	0
Nonpapillary	Carcinoma in situ (CIS); Note 3: confined to epithelium; Note 4: multifocal nonpapillary in situ tumors	050	0
Confined to Mucosa	Note 3: tumor penetrated basement membrane, invade lamina propria; distinction can't be made between epithelium and lamina propria invasion Note 8: distal ureter defined as below iliac vessel by direct invasion	100	1
Lamina propria invasion	Submucosa; Subserosa; Tunica propria Note 9: extension from bladder into subepithelial tissue prostatic urethra	130	1
Localized, NOS	Doesn't fit the above codes	150	1

15

15

BLADDER EOD PRIMARY TUMOR

Description	Notes	EOD PT	SS18
Extension to/Invasion of distal ureter – subepithelial connective tissue	Note 8: Direct invasion of distal ureter is classified by depth of greatest invasion in bladder or ureter	170	2
PATHOLOGIC assessment Muscularis propria bladder – superficial (inner half)	Based on cystectomy; do NOT use TURB information	200	1
PATHOLOGIC assessment Extension distal ureter – superficial invasion	Based on cystectomy; do NOT use TURB Note 8: based on greatest invasion either bladder/ureter	250	2
PATHOLOGIC assessment Muscle of bladder – deep (outer half)	Based on cystectomy; do NOT use TURB Note 3: Only description is full thickness bladder and no clear statement fat involved	300	1
PATHOLOGIC assessment Extension distal ureter – deep muscle	Based on cystectomy; do NOT use TURB Note 8: based on greatest invasion either bladder/ureter	350	2

16

16

BLADDER EOD PRIMARY TUMOR

Description	Notes	EOD PT	SS18
Muscularis propria (muscle) invaded bladder only	Note 5: If only a TURB and states "invasion of muscularis propria"	370	1
Extension to distal ureter – muscularis propria invaded	Note 5: Invasion of muscularis propria and distal ureter involved	400	2
Extension to perivesical fat/tissue (MICROSCOPIC)	See list of invasion	450	2
Extravesical mass (clinically or grossly apparent); Extension to perivesical fat/tissue (MACROSCOPIC)	See list of invasion	500	2
Extension to perivesical fat/tissue, NOS	<u>Unknown if microscopic or macroscopic</u> ; see list of invasion	550	2
Extravesical tumor with extension to *see list*		600	2
Extravesical tumor with extension to *see list*		650	7

17

17

BLADDER EOD PRIMARY TUMOR

Description	Notes	Code
Bladder is "fixed"		700
Bladder is "fixed" with extension to structures in code 650 OR Extravesical tumor w/ extension	See list of structures	720
Extravesical tumor, NOS		750
No evidence of primary tumor	Found via regional LN or distant mets, but there was no primary tumor identified	800
Unknown extension; Not documented	Use sparingly	999

18

18

BLADDER EOD REGIONAL NODES

- 3 Notes for this data item:
 - Regional nodes are only coded in this data item
 - List of Regional Nodes
 - Coding Lymph Nodes, NOS

19

19

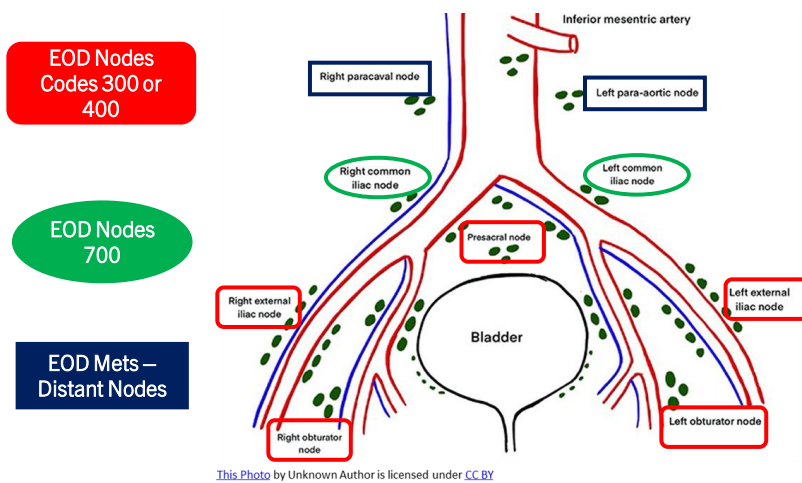
BLADDER EOD REGIONAL NODES

Description	Notes	Code
No regional LN involved	Negative LN	000
SINGLE regional LN	<i>Excludes common iliac</i>	300
MULTIPLE regional LN	<i>Excludes common iliac</i>	400
Common iliac LN WITH/WITHOUT regional LN		700
Regional LN, NOS	Note 3: Regional LN involved, but can't determine which LN	800
Unknown; Not documented	Use sparingly	999

20

20

BLADDER LYMPH NODES



21

21

BLADDER EOD METS

Description	Notes	Code
No distant mets	Unknown if distant mets	00
Distant LN	See list of distant nodes	10
Other specified distant mets WITH/WITHOUT distant LN	Includes carcinomatosis	50
Distant Mets, NOS	Note: use only when the information is "distant metastasis, NOS" and no documentation on specific site(s)	70

22

22

RENAL PELVIS & URETER

23

23

RENAL PELVIS & URETER

- SEER*RSA v3.2

https://staging.seer.cancer.gov/eod_public/list/3.2/



Ill-Defined Other
▶ Intracranial Gland
Kaposi Sarcoma
Kidney Parenchyma
Kidney Renal Pelvis
Lacrimal Gland
Lacrimal Sac

24

24

KIDNEY RENAL PELVIS EOD PRIMARY TUMOR

• 3 site-specific notes:

- Multifocal tumors
- Involvement of both Renal Pelvis and Ureter ²⁵
- Ureter tumor with bladder invasion

25

RENAL PELVIS/URETER EOD PRIMARY TUMOR

Description	Notes	Code	SS18
Non-invasive Papillary histology	Applies to papillary histologic types	000	0
Nonpapillary in situ/non-invasive	Note 1: multifocal papillary noninvasive tumors (000) and nonpapillary in situ tumor (050); Applies to nonpapillary types that are not invasive	050	0
Lamina propria/Submucosa invasion; Confined to RP or Ureter	Localized, NOS	100	1
RP and Ureter – RP from Ureter or Ureter from RP; Distal ureter and/or bladder	Subepithelial connective tissue involved	200	2

26

26

RENAL PELVIS/URETER EOD PRIMARY TUMOR

Description	Notes	Code	SS18
Muscularis of RP only <u>OR</u> Muscularis of Ureter only		300	1
Codes 200 + 300	Muscularis + involvement RP/Ureter or Ureter/Bladder	400	2
Extension to/Beyond muscularis	See list in code; RP ONLY: ipsilateral kidney parenchyma or kidney, NOS	500	2
Extension to/Invasion of	See list for organs/sites involvement	600	2
Extension to/Invasion of	See list for organs/sites involvement	700	7
No evidence of primary tumor	Regional LN or metastasis but no primary	800	9
Unknown; No documentation	Use sparingly	999	9

27

27

RENAL PELVIS/URETER EOD REGIONAL NODES

- **3 site-specific notes:**
 - Code only regional lymph nodes (LN) for this data item
 - List of regional nodes
 - All sites
 - Renal pelvis only
 - Ureter only
 - Lymph nodes, NOS

28

28

RENAL PELVIS/URETER EOD REGIONAL NODES

Description	Notes	Code
No involvement regional LN		000
SINGLE regional LN	Less than or equal to 2cm; size unknown	200
SINGLE regional LN	Greater than 2cm	300
MULTIPLE regional LN		400
Regional LN, NOS	Regional nodes are involved but specific LN is unknown	800
Unknown; Not documented	Use sparingly	999

29

29

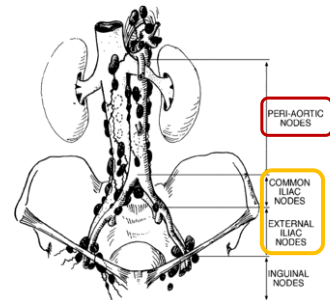
REGIONAL NODES

RP only

Ureter only

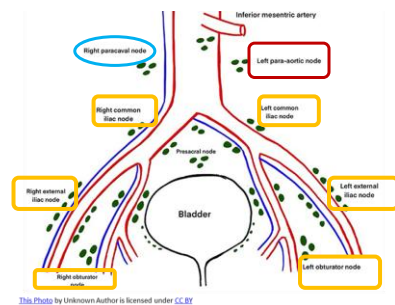
RP & Ureter

30



<https://pubs.rsna.org/cms/10.1148/rg.236035704/asset/images/medium/g03nv1413a.jpeg>

30



This Photo by Unknown Author is licensed under CC BY

RENAL PELVIS/URETER EOD METS

Description	Notes	Code
No distant mets	Unknown if distant mets	00
Distant LN		10
Carcinomatosis; Distant mets WITH/WITHOUT distant LN		70

31

31

URINARY SSDI

Urethra/Urethra-Prostatic

32

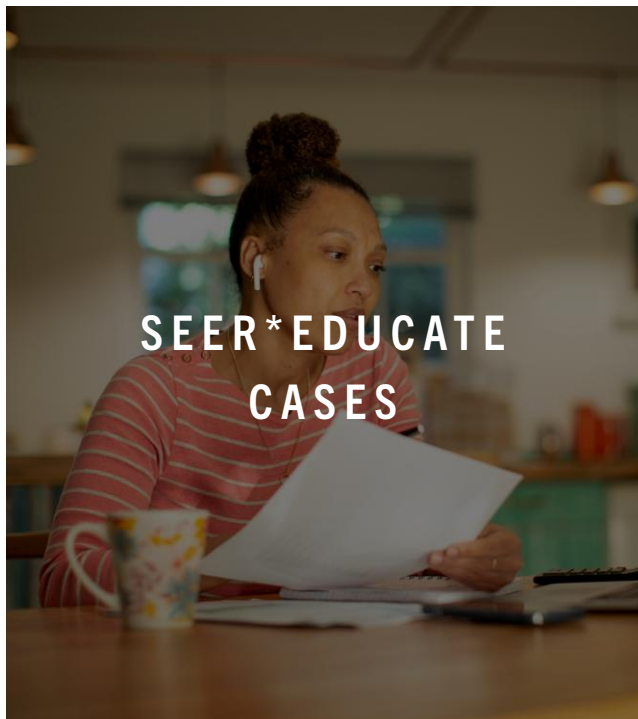
SSDI - URINARY

- There are no SSDIs for Urinary Sites
- Urethra/Prostatic Urethra: Schema Discriminator 1
 - Same primary site code: C680
 - Computer needs to pull the correct Schema
 - Schema 00631: Urethra
 - Schema 00633: Urethra-Prostatic Urethra

Description	Code
Male penile urethra; Female urethra; Urethral gland; Cowper gland; Urethra, NOS	1
Males ONLY : Prostatic urethra; Prostatic utricle	2

33

33



- Training – Coding CEs

DX 2021-2025 EOD, SS, Grade, SSDI Mashup

- Bladder cases 1-5
- Renal pelvis and Ureter cases 1-5

34

34

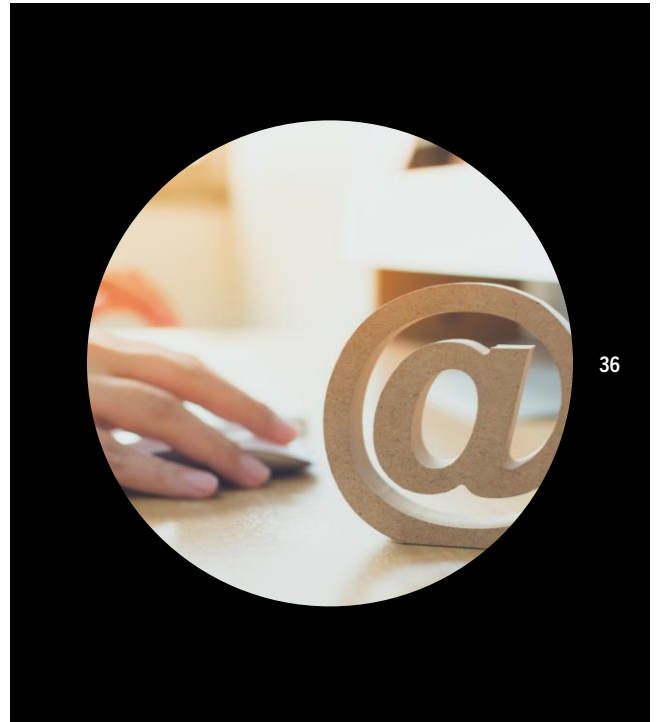
QUESTIONS? CONTACT ME.

Melissa Riddle, ODS-C

Education & Training

Iowa Cancer Registry

melissa-riddle@uiowa.edu



36