

**GENITOURINARY CANCER STAGING**

AJCC/ TNM*	RENAL CELL CARCINOMA	BLADDER	PROSTATE	URETHRA	PENIS	TESTIS
Ta		Noninvasive papillary		Noninvasive papillary, polypoid, or verrucous	Noninvasive verrucous	
T1	≤ 7 cm in greatest dimension; Limited to kidney	Invades subepithelial connective tissue	Clinically inapparent by palpation or imaging	Invades subepithelial connective tissue	Invades subepithelial connective tissue	Limited to testis and epididymis without vascular or lymphatic invasion May invade tunica albuginea but not tunica vaginalis
T1a	≤ 4 cm in greatest dimension		Incidentally found in ≤ 5% of resected tissue			
T1b	> 4 cm but ≤ 7 cm in greatest dimension		Incidentally found in > 5% of resected tissue			
T1c			Identified by needle biopsy done for elevated prostate-specific antigen level			
T2	> 7 cm in greatest dimension; Limited to kidney	Invades muscle	Is palpable or reliably visible by imaging Limited to prostate	Infiltrates periurethral muscle, corpus spongiosum, or prostate	Invades corpus spongiosum or cavernosum	Limited to testis and epididymis with vascular or lymphatic invasion May extend through tunica albuginea and involve tunica vaginalis
T2a		Invades superficial muscle (inner half)	Involves ≤ 1/2 of one lobe			
T2b		Invades deep muscle (outer half)	Involves > 1/2 of one lobe and spares the other lobe			
T2c			Involves both lobes			

**GENITOURINARY CANCER STAGING—Continued**

AJCC/ TNM*	RENAL CELL CARCINOMA	BLADDER	PROSTATE	URETHRA	PENIS	TESTIS
T3	Extends into major veins or invades adrenal gland or perinephric tissues but not beyond Gerota's fascia	Invades perivesical tissue	Extends through the prostatic capsule	Infiltrates beyond periurethral tissue (vagina, or bladder neck in women; beyond prostatic capsule, corpus cavernosum, or bladder neck in men)	Invades urethra or prostate	Invades spermatic cord with or without vascular or lymphatic invasion
T3a	Directly invades adrenal gland or perirenal or renal sinus fat	Invades perivesical tissue microscopically	Extends through the prostatic capsule unilaterally or bilaterally			
T3b	Grossly extends into the renal vein, its segmental branches, or vena cava below the diaphragm	Invades perivesical tissue macroscopically (extravesical mass)	Invades seminal vesicles			
T3c	Grossly extends into vena cava above diaphragm or invades the wall of the vena cava					
T4	Invades beyond Gerota's fascia	Invades adjacent organs	Is fixed or invades adjacent structures other than seminal vesicles		Invades other adjacent structures	Invades scrotum with or without vascular or lymphatic invasion
T4a		Invades prostate, uterus, or vagina				
T4b		Invades pelvic or abdominal wall				

AJCC = American Joint Commission on Cancer; TNM = tumor, node, metastasis.

\*AJCC/TNM staging also includes number of regional lymph nodes involved:

- NX = not assessable
- N0 = no evidence of tumor
- N1–N3, depending on primary location, nodes affected, and size of nodal metastasis and presence of distant metastases:
- MX = not assessable
- M0 = none
- M1 = present

Further distinctions within a category may be indicated by a lower-case letter.