

Staging of Renal Cell Cancer

Definition of the TNM grading system:

Primary Tumor (T)

TX- Primary tumor cannot be assessed

T0- No evidence of primary tumor

T1- Tumor 2.5 cm or less in greatest dimension limited to the kidney

T2- Tumor more than 2.5 cm in greatest dimension limited to the kidney

T3- Tumor extends into major veins or invades the adrenal gland or perinephric tissues but not beyond Gerota's fascia

T3a- Tumor invades the adrenal gland or perinephric tissues but not beyond Gerota's fascia

T3b- Tumor grossly extends into the renal vein(s) or vena cava below the diaphragm

T3c- Tumor grossly extends into the vena cava above the diaphragm

T4- Tumor invades beyond Gerota's fascia

Regional Lymph Nodes (N)*

NX- Regional lymph nodes cannot be assessed

N0- No regional lymph node metastasis

N1- Metastasis in a single lymph node, 2 cm or less in greatest dimension

N2- Metastasis in a single lymph node, more than 2 cm but not more than 5 cm in greatest dimension; or multiple lymph nodes, none more than 5 cm in greatest dimension

N3- Metastasis in a lymph node more than 5 cm in greatest dimension

*Note: Laterality does not affect the N classification.

Distant Metastasis (M)

MX- Presence of distant metastasis cannot be assessed

M0- No distant metastasis

M1- Distant metastasis



Histopathologic Types of Renal Neoplasms:

- Renal cell carcinoma
- Adenocarcinoma
- Renal papillary adenocarcinoma
- Tubular carcinoma
- Granular cell carcinoma
- Clear cell carcinoma (hypernephroma)

The predominant cancer is adenocarcinoma; subtypes are clear-cell and granular-cell carcinoma.

The grading system as provided below is recommended when feasible. The staging system does not apply to sarcomas of the kidney; a separate classification is published for nephroblastomas.

Histopathologic Grade (G)

GX- Grade cannot be assessed

G1- Well differentiated

G2- Moderately differentiated

G3-4- Poorly differentiated of undifferentiated

REF: <http://ctisus.org/>