

## Teaching topics : Kidney-neoplastic disease

### Teaching outline :

#### I. Malignant renal tumors

##### A. Renal cell carcinoma

##### B. Hereditary renal cell carcinoma syndromes

- a. Von Hippel-Lindau (VHL) syndrome
- b. Hereditary leiomyomatosis and renal cell cancer syndrome
- c. Hereditary papillary carcinoma
- d. Birt-Hogg-Dubé syndrome

##### C. Classification of renal cell carcinoma

- a. Clear cell renal cell carcinoma
- b. Papillary renal cell carcinoma (type 1 and type 2)
- c. Chromophobe renal cell carcinoma (typical type and eosinophilic type)
- d. Xp11 translocation renal cell carcinoma
- e. Collecting duct (Bellini duct) carcinoma

##### D. Renal papillary adenoma

##### E. Angiomyolipoma

##### F. Oncocytoma

##### G. Neoplasms of the renal pelvis and ureter

##### H. Squamous cell carcinoma