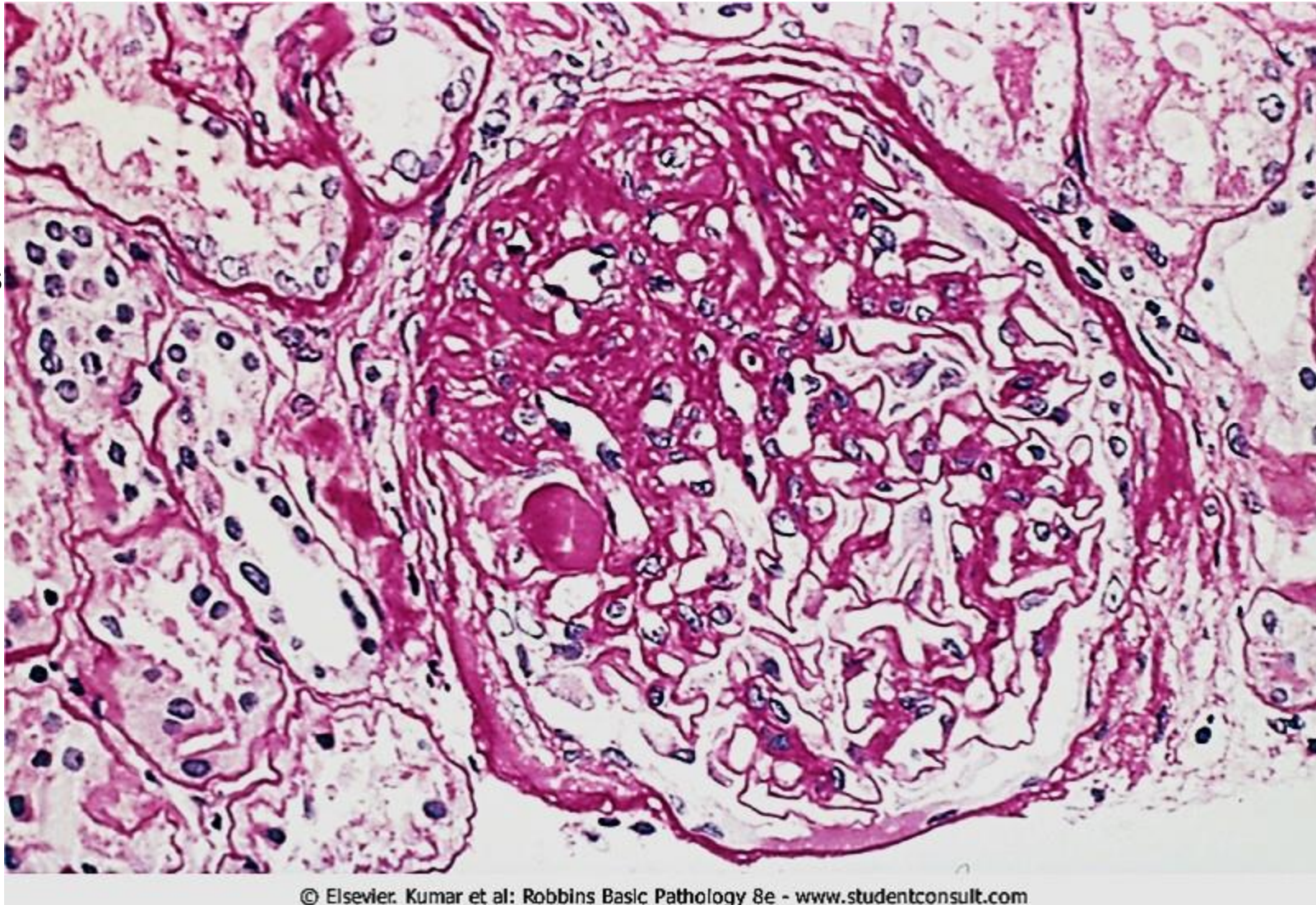


Focal segmental glomerulosclerosis

The pink-colored material in this picture that is characteristic of this glomerular disease is composed of:

Collagen



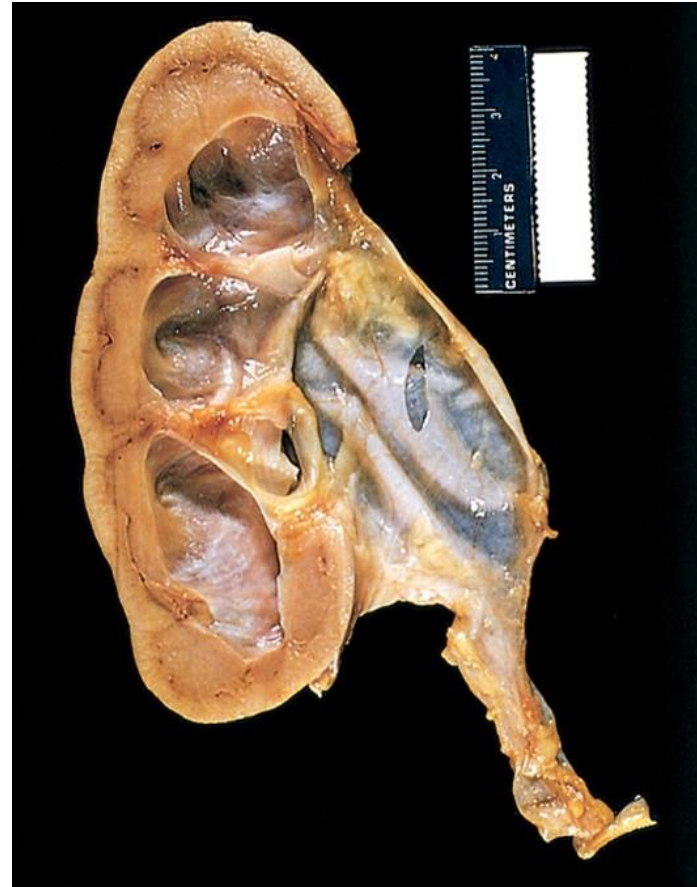
hydronephrosis

Fill in the missing words

Dilation of renal pelvis and calyces due to _____, with accompanying _____ of kidney parenchyma.

• The onset may be _____ or _____

•Significance: if untreated, leads to renal parynchemal damage and _____



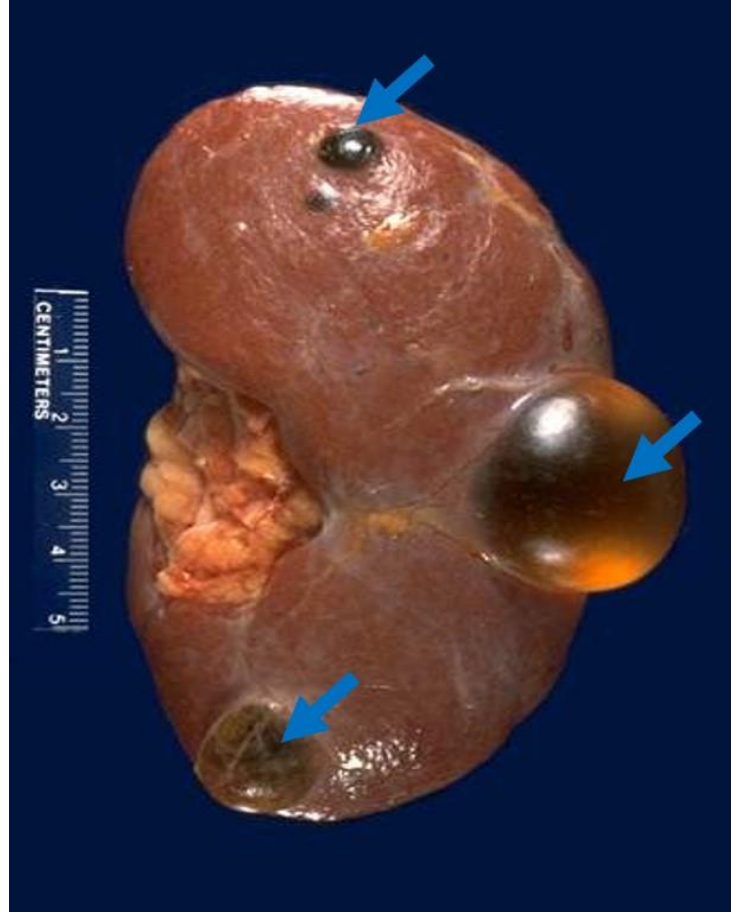
© Elsevier. Kumar et al: Robbins Basic Pathology 8e - www.studentconsult.com

- 1 urinary outflow obstruction / outflow obstruction / obstruction
- 2 atrophy / thinning / loss / destruction
- 3 sudden / acute / rapid / fast
- 4 insidious / slow / chronic
- 5 atrophy / loss of function / dysfunction / failure

Simple cyst

A healthy 34 years-old man had a general medical check up for a job interview. This picture (blue arrows) is representative of what he was told to have in his left kidney. His other tests including kidney function test and urine analysis were normal. He had normal blood pressure readings. What is the most likely diagnosis?

Simple renal cysts



Nephronophthisis-medullary cystic dieases

A 5 years-old boy was brought to the pediatrics clinic as his parents were concerned about his growth. They described that "he drinks a lot of water and urinates very frequently". They mentioned that some of his uncles had renal failure as children and young adults. Physical examination revealed high blood pressure. His blood tests show high creatinine and urea. This picture which is representative of what the child has shows many renal cysts at the corticomedullary junction. What is the correct diagnosis?

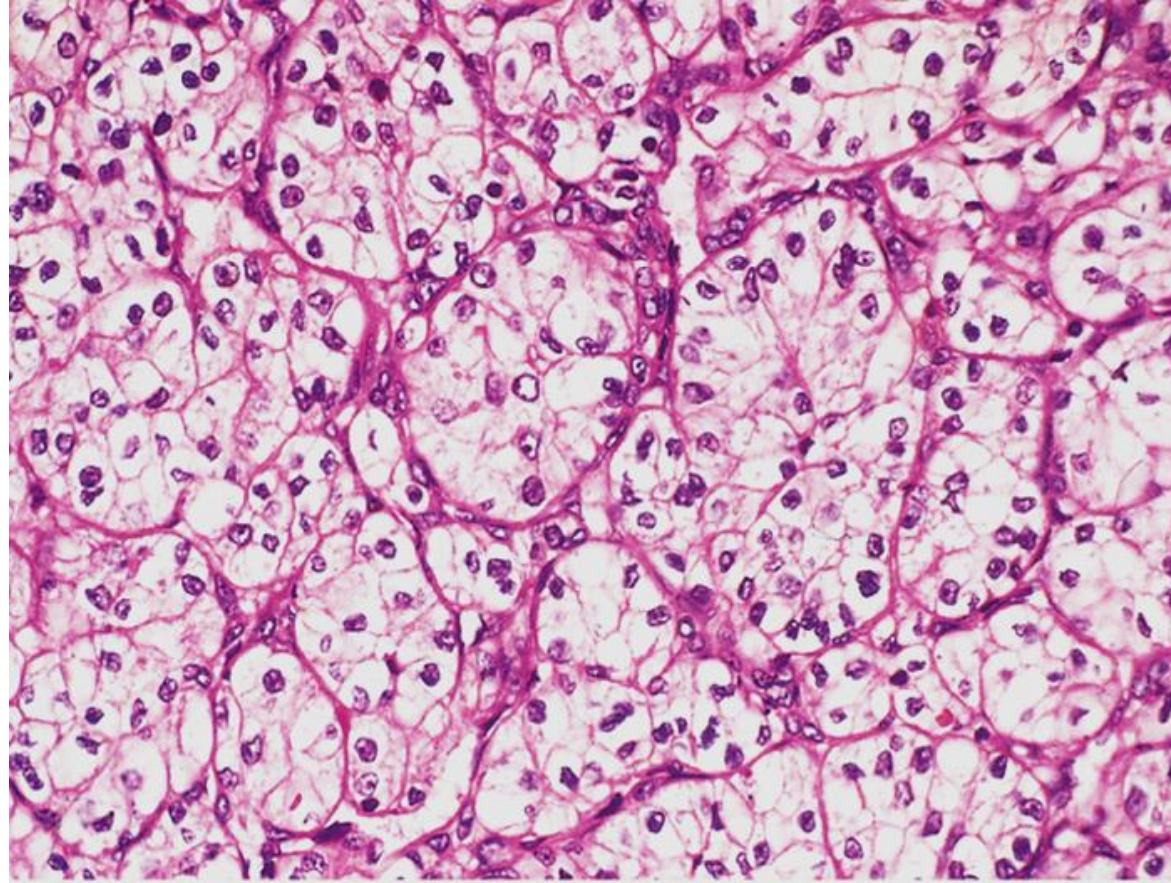


Nephronophthisis Medullary cystic -Uremic disease

Clear cell renal cell carcinoma

Choose the correct statement regarding the histological type of this renal tumor:

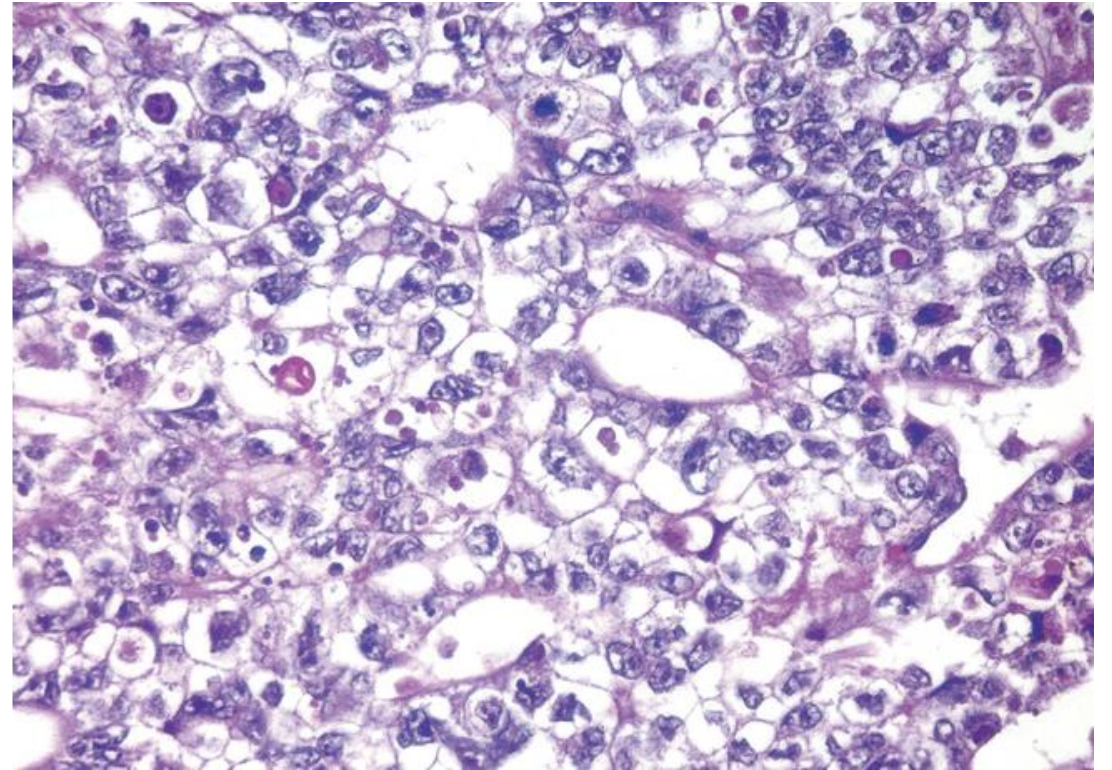
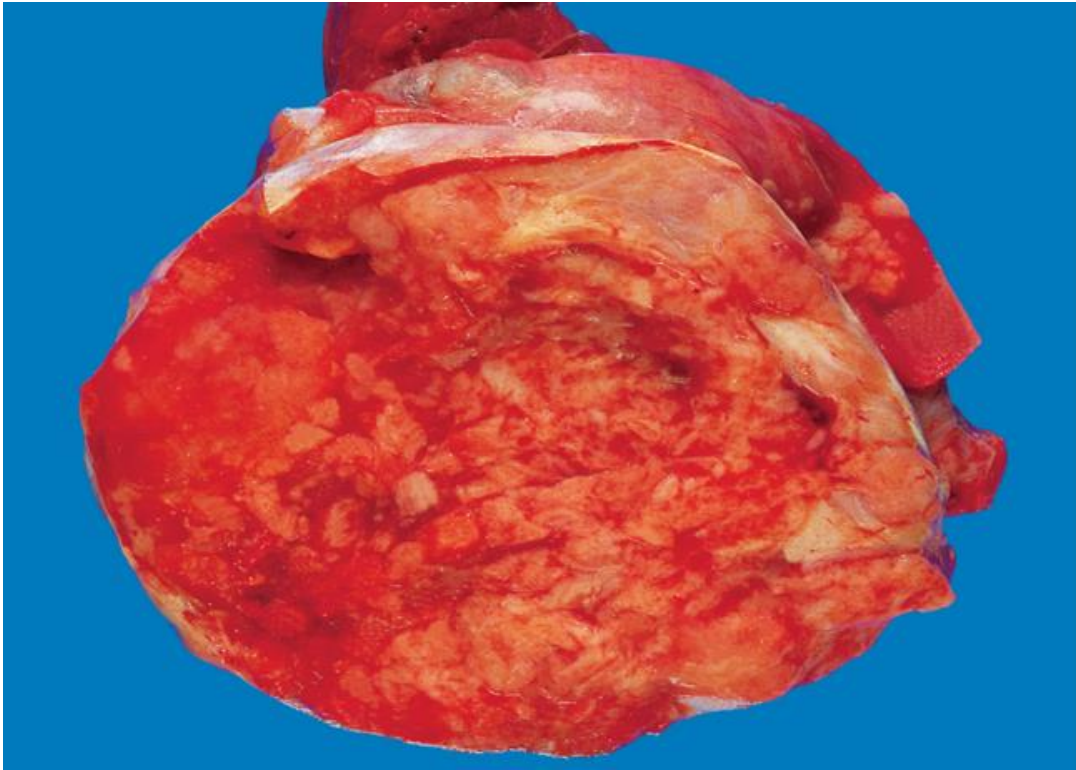
Von Hippel-Lindau (VHL) disease is associated with this type of renal cancer



Embryonal carcinoma

A 21 years-old man is found to have a large right testicular mass. He undergoes right orchiectomy. The testis contains ill-defined masses with foci of hemorrhage and necrosis. Microscopic examination shows undifferentiated cells and primitive gland-like structures. What is the most likely diagnosis?

Embryonal carcinoma



teratoma

Choose the correct statement regarding this testicular tumor removed from a 6 years-old boy.

This testicular tumor may contain firm masses and cysts with hair, cartilage and bone

The tissues composing the tumor are a mixture of differentiated tissues

