

Pathology Review
Chapter 10: Genitourinary and Renal
Pathology

UPDATE: December 2014

Page 261

39. List the factors that predispose patients to renal cell carcinoma, and the syndromes associated with renal cell carcinoma.

- Factors:
 - Smoking.
 - Obesity.
 - Hypertension.
 - Unopposed estrogen therapy.
 - Exposure to asbestos, petroleum products, and heavy metals.
 - **Chronic renal failure.**
 - **Acquired cystic disease.**
- Associated syndromes:
 - **Birt-Hogg-Dubé**
 - Tuberous sclerosis.
 - Von Hippel-Lindau (VHL) syndrome.
 - Hereditary (familial) clear cell carcinoma.
 - Hereditary papillary carcinoma.

Page 275

124. What features help distinguish eosinophilic variant chromophobe renal carcinoma (chromophobe RCC) from eosinophilic variant clear cell renal cell carcinoma (clear cell RCC)?

Feature	Chromophobe RCC	Clear cell RCC
Vascular pattern	• Randomly arranged broad fibrous septa with predominantly medium caliber blood vessels.	• Small, delicate sinusoidal blood vessels.

Question 124 continued on next page

RCCMa	-	+
CK7	+	-
CD10	-	+
Vimentin	-	+
Parvalbumin	+	-
E-cadherin	+	-