Precision Medicine Testing Recommendations For:

Renal Cell Carcinoma (RCC)

Renal Cell Carcinoma (RCC) - Genetic Risk

Who should be tested?

- Genetic testing is recommended for those with a hereditary renal cell carcinoma syndrome based on any of the following:
- 1st or 2nd degree relative with RCC diagnosis
- Diagnosed ≤46 years old
- Bilateral or multifocal tumors
- Multifocal papillary histology
- HLRSS-associated RCC, RCC with Fumarate hydrtas (FH) deficiency
- BHDS related histology (multiple chromophobe, oncocytoma, oncocytic hybrid)
- Angiomyolipomas of the kidney and one TSC criterion in same person
- Succinate dehydrogenase (SDH) deficient RCC histologytment eligible

When and what should be tested?

- Upon or before presentation
- Peripheral blood, saliva or buccal mucosa swab

What tests should be considered?

- NCCN/FDA Approved
  - BAP1
  - FLCN
  - FH
  - MET
  - SDHA/B/C/D
  - TSC1, TSC2
  - VHL

*Ensure inclusion into the molecularly targeted set of testing recommendations