

**March 2024 Picture Quiz
Answers**

1. Case 1: Angiosarcoma, therapy related:

<https://app.expertpath.com/document/angiosarcoma/2151c90e-b5e2-49fc-a2d4-756c455650bd?searchTerm=Breast%20angiosarcoma>

The neoplasm had following immunoprofile: CD31 +, Ki67>90%, pan Ck- and c-Myc positive

2. Case 2: Clear cell carcinoma of Ovary: <https://app.expertpath.com/document/clear-cell-carcinoma/46216115-2f20-4be2-99cb-2b905890547d?searchTerm=Vlear%20cell%20carcinoma%20ovary>

The tumor was positive for Napsin-A, AMACR; and negative for ER, PR, WT1. Patchy non-specific positivity for p16; complete lack of nuclear expression (aberrant "null" type).

3. Case 3: Well differentiated neuroendocrine tumor, Grade 3 [mitosis <20, Ki67 > 20 (24%)]

<https://app.expertpath.com/document/well-differentiated-neuroendocrine-/e1213746-b7f1-44da-80ab-4cd4042398f4?searchTerm=Well%20differentiated%20neuroendocrine%20tumor>

4. Case 4. Chromophobe RCC. CK7 and c-kit immunostains diffusely positive.

<https://app.expertpath.com/document/chromophobe-renal-cell-carcinoma/49d9f48f-b5e6-43f4-96d4-9c0bb3b6d510?searchTerm=Chromophobe>

5. Case 5. Biphasic papillary renal cell carcinoma (Biphasic squamoid alveolar renal cell carcinoma). 2022 WHO classification of tumors includes this entity under Papillary RCC (pg. 47 to 49). Neoplastic cells expressed CK7 and AMACR immunostains diffusely; with expression of Cyclin D1 by the larger cells.

Hes O, Mundo E, Condom MD, PhD, Peckova K, et al. Biphasic Squamoid Alveolar Renal Cell Carcinoma, A distinctive Subtype of Papillary Renal Cell Carcinoma? (Am J Surg Pathol 2016;40:664-675)

Trpkov K, Athanazio D, Magi-Galluzzi, C et al. Biphasic papillary renal cell carcinoma is a rare morphological variant with frequent multifocality: a study of 28 cases.

Histopathology 2018, 72, 777-785, DOI: 10.1111/his.13432

WHO Classification of Tumours Editorial Board. Urinary and Male Genital Tumours. Lyon (France) International Agency for Research on Cancer 2022, 47-49.