

Supplementary Materilas

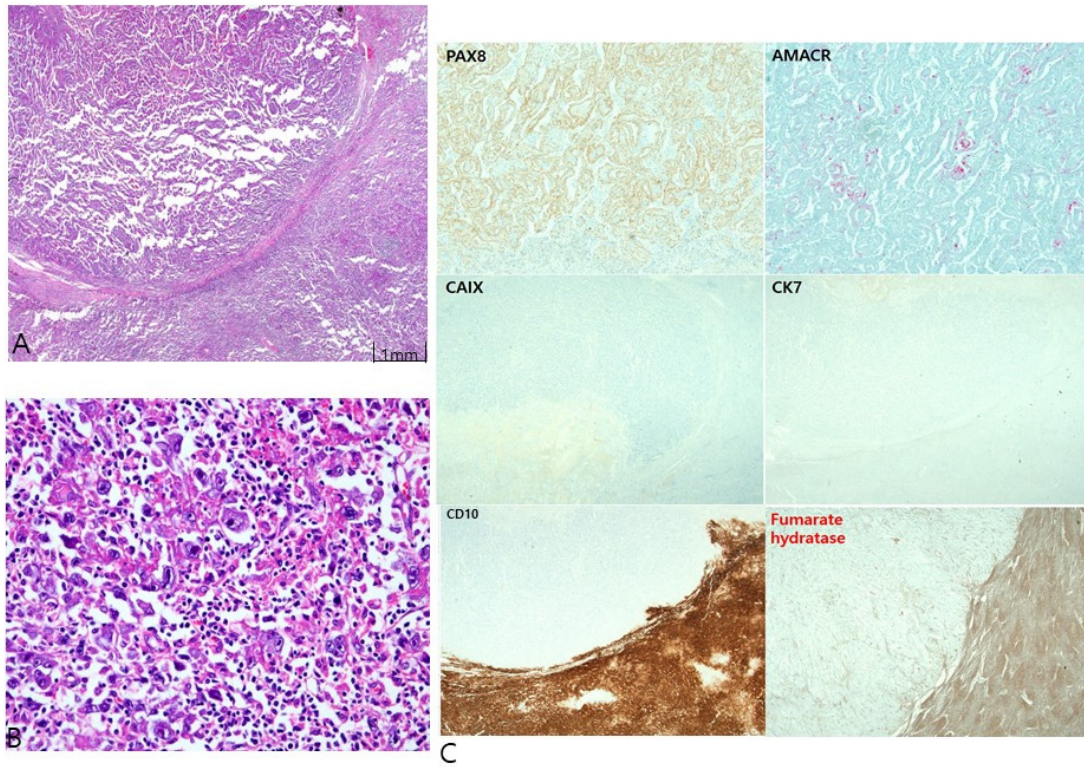


Figure S1. Fumarate hydratase-deficiency associated RCC. A: Multinodular mass showing papillary and solid forming growth pattern, easily categorized to papillary type II with sarcomatoid features. B: Pleomorphic tumor cells with prominent meganucleoli mimicking viral inclusion or Reed-Stenberg cell. C. Immunohistochemical panels are displayed. PAX8 is positive, but conventional markers including CK7/AMACR/CAIX/CD10 are all negative. Total loss of FH is a specific clue to FH-deficient RCC. Scale bars = 1 mm.