The inaugural Mayo Clinic Pathology Update Course was held in Phoenix, Arizona, on February 4–6, 2016, and was dedicated to and honored the renowned academic career of Thomas V. Colby, MD. Course faculty included Mayo Clinic consultants and special guest speakers, all of whom presented topics on which Dr Colby has published during his career. The topics were quite varied: pulmonary/thoracic lesions, gastrointestinal/liver disorders, lymphoma, and urinary tract diseases. The following 3 review articles are derived from presentations given at the course. It is my honor and privilege to edit this special section for Archives of Pathology & Laboratory Medicine.

Maxwell Smith, MD, comprehensively reviews antineutrophil cytoplasmic antibody (ANCA)–associated vasculitis (AAV). This review discusses key classification updates and nicely illustrates the spectrum of pathology of AAV in the lung and kidney, as well as clinical laboratory testing in this setting. He further details the ANCA-associated diseases, highlighting the pathologist's role in the correlation of histopathologic findings with necessary clinical data.

Anja Roden, MD, reviews the long and complex evolution of the numerous histopathologic and staging classification schemas of thymic epithelial tumors during the course of Dr Colby's career, highlighting some of the previous controversies and issues. She also discusses the recently proposed staging system, with emphasis on biology, clinical management, and prognosis.

Andras Khoor, MD, PhD, and Dr Colby, review amyloidosis of the lung. This review thoroughly analyzes the association of the fibril protein–based classification system and the 3 distinct forms of pulmonary involvement, underscoring key clinicopathologic features and the importance of laboratory amyloid subtyping.

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