A 38-year-old man had an anal mass (Fig. 1A) for 3 months. Histopathology from a biopsy showed a papillary growth lesion with a fibrovascular core and characteristic formation of koilocytes (Fig. 1B) in the superficial area, diagnostic of condyloma acuminatum.

Condylomata acuminatum are sexually transmitted benign tumors that have a distinctly verrucous gross appearance, as in this patient. Although they may be solitary, they are more frequently multiple, often coalesce, and involve the perineal, vulvar and perianal regions as well as the vagina and, less commonly, the cervix.

Histologically, they consist of a branching, tree-like proliferation of stratified squamous epithelium supported by fibrous stroma. Acanthosis, parakeratosis, hyperkeratosis and, most specifically, nuclear atypia in the surface cells with perinuclear vacuolation (called koilocytosis) are present.

Condylomata are caused by the human papillomavirus, specifically types 6 and 11. The virus life cycle is completed in the epithelium, specifically the mature superficial cells. Except in immunosuppressed individuals, condylomata acuminatum frequently regress spontaneously and are not considered to be pre-cancerous lesions. [Tzu Chi Med J 2010;22(4):248]

References


Fig. 1 — (A) A papillary growth lesion in the perianal area. (B) Histopathology shows fibrovascular stroma and koilocytosis in the superficial area (hematoxylin & eosin, 200×).