IMMUNOHISTOCHEMICAL STUDY OF CARTILAGINOUS COLLAGENS IN SO-CALLED MIXED TUMOR OF THE SKIN

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So-called mixed tumor of the skin, which is also called chondroid syringoma, is characterized by tubular tumor cells and an abundant mucoid stroma. With the aim of clarifying the characteristics of this stroma we examined tissue localization of cartilaginous collagens (types II, IX and XI) and which cells are involved in the production of these proteins immunohistochemically in seven samples of this tumor. The results showed positive staining of type II, IX and XI collagens in the cartilage-like stroma of the tumors examined. Proliferating myoepithelial cells of sweat gland origin, which were positively stained with anti-cytokeratin antibodies, seemed to take a part in the production of the cartilaginous collagens in the stroma of this tumor.