

EXPRESSION OF MDM2 IN SOME BENIGN AND MALIGNANT FIBROUS CONNECTIVE TISSUE TUMORS

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ABSTRACT

The present study was carried out to investigate the immune expression of MDM2 protein in some benign and malignant fibrous connective tissue tumors. The material included three cases of gingival fibromatosis, two cases of benign fibrous histiocytoma (BFH), three cases of malignant fibrous histiocytoma (MFH) and three cases of fibrosarcoma. Paraffin sections for all cases were prepared, processed and stained with haematoxylin and eosin for histopathological examination and diagnosis. Parallel sections for all cases were immunohistochemically stained for the presence of MDM2 protein using monoclonal anti-MDM2 antibody. The results showed positive staining in all studied cases. The staining was localized to the nuclei of the cells and was stronger in the malignant tumors than the benign ones. It was concluded that MDM2 may have a role in the development and progression of fibrous connective tissue tumors and may be useful in understanding the behavior and in differential diagnosis of these tumors.

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