

## **ROLE OF C-ERB-B<sub>2</sub> IN DIFFERENT TYPES OF RHABDOMYOSARCOMA. A HISTOCHEMICAL AND IMMUNOHISTOCHEMICAL STUDY**

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### ***ABSTRACT:***

The present work was undertaken to examine c-erb B<sub>2</sub> oncogene expression in rhabdomyosarcomas. 14 cases of different types of rhabdomyosarcomas were taken, formalin fixed and embedded in paraffin. The sections were stained with H & E for diagnosis, and the diagnosis was confirmed with special stain PTAH. 7 cases were found to be of the pleomorphic type, 4 were alveolar type and 3 were embryonal type. The immunohistochemical study on the expression of c-erb B<sub>2</sub> using the Avidin-Biotin peroxidase complex method revealed over expression and/ or amplification of the c-erb B<sub>2</sub> in most of the cases. 5 cases of pleomorphic type showed over expression; 2 from the alveolar type and 3 cases of the embryonal type. The positive reaction was more severe in the embryonal type, moderate in the alveolar type and least in the pleomorphic type. Thus, it was concluded that amplification and over expression of c-erb B<sub>2</sub> was found to be associated with poor prognosis in rhabdomyosarcomas.

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