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Role of AXIN 1 Protein in colorectal cancer patients of Kashmir Valley

Nighat Parveen

Department of Biochemistry,Govt.College for women Nawakadal

INTRODUCTION

Colorectal cancer (CRC) is one of the leading causes of mortality and morbidity. Various genetic factors have been reported to be involved in the development of colorectal cancers including Axin gene. Axin, a major scaffold protein, plays an important role in various biosignaling pathways.

Material and Methods: We studied protein expression of Axin gene. The paired tumor and adjacent normal tissue specimens of 50 consecutive patients with CRC were used in our study. Protein was extracted from fifty tumour and adjacent normal samples. Extracted protein was checked on 10% SDS-PAGE and was quantified by Bradford method.

Results: Equal amount of protein was loaded in 10% SDS-PAGE. Expression of AXIN was detected by using rabbit polyclonal anti axin antibody . 26% (13/50) CRC patients showed reduced expression of Axin.

Conclusion: No association was found with any of the clinico-pathological characteristic of CRC with the reduced expression of Axin