

INVESTIGATION OF MISMATCH REPAIR GENED IN LOCAL ISOLATES OF *E. COLI*

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ABSTRACT

*In this study, (75) rectal swabs obtained from (75) patients with CRC were included for isolation coliform bacteria (*E. coli*). The results of isolation showed that all patients with CRC had bacteria in their stool samples. DNA was extracted from these bacteria for detection of MMR genes in their genome. PCR amplicons showed that all *E. coli* possessed MMR genes with include *Muts*, *MutI* and *MutH* and there was no defect in any of these gene when these isolates taken from patients with CRC or from healthy individuals,*

KEYWORDS: *MMR, Colorectal Cancer, Gene Related E. Coli*

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