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Title:	Stage-specific expression analysis of MMP-2 & MMP-9 in laryngeal carcinoma
Authors:	Sannigrahi, M. (/jspui/browse?type=author&value=Sannigrahi%2C+M.)
Keywords:	Biopsy Cancer Gene expression Laryngeal Matrix metalloproteinases
Issue Date:	2020
Publisher:	Wolters Kluwer Medknow Publications
Citation:	Journal of Cancer Research and Therapeutics 16(3), pp. 517-520
Abstract:	<p>Aim of the Study: Both matrix metalloproteinase-2 (MMP-2) and matrix metalloproteinase-9 (MMP-9) is involved in degradation of extracellular matrix and found to stimulate invasion and metastasis in cancer patients. However, studies on the stage-specific expression of MMPs at different stages of larynx carcinoma are still lacking. In the present study, we compare the expression level of MMP-2 and MMP-9 at different stages of laryngeal carcinoma. Material and Methods: Tumor tissues samples were taken from larynx cancer patients by deep biopsy during direct laryngoscopy. Gene expression for MMP-2 and MMP-9 was analyzed using RT-PCR. Results: Significantly high expression of MMP-2 was observed compared to the MMP-9 at stage IV compared to the less advanced stages of the disease. Conclusion: Present study concluded that the MMP-2 expressed with a greater magnitude as compared to the MMP-9 in advance stages of laryngeal carcinoma.</p>
Description:	Only IISERM authors are available in the record.
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