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Oncology and cancer therapeutics aspect of MALT lymphoma of salivary gland


Lymphocytes are made in bone marrow and can develop into either T-cells or B-cells. Uncontrolled dividing lymphocytes lead to lymphoma. Salivary glands MALT lymphoma arises from cancerous B- cells. Marginal zone lymphoma is a slow-growing B-cell non-Hodgkin's lymphoma. Extra nodal marginal zone lymphoma is one of the types of marginal zone lymphoma. Mucosa-associated lymphoid tissue (MALT) is another name of it. MALT lymphoma of the salivary gland is an uncommon condition that generally affects older adults. The cause of MALT lymphoma of the salivary gland is unknown. There may be certain genetic defect such as translocation of the chromosomes. This may result in increased production of their mRNA, thus increasing their protein levels. The new protein formation due to an exchange of protein-coding regions of a gene leads to the inappropriate growth of cells. Similar signs and symptoms can be seen in other clinical conditions. Thus to arrive at a definitive diagnosis, additional tests should be performed to rule out other clinical conditions. Chemotherapy, radiation therapy, surgery and other treatment measures may be used for treating MALT lymphoma of salivary gland based on the assessment of the physician. Progression of the lymphoma,

response to treatment and overall health of the individual affect the prognosis of lymphoma. Physical and emotional distress can be associated with the treatment for MALT lymphoma of a salivary gland, so along with treatment; supportive care and encouragement help positively and can bring a measure of relief to the patients. Awareness and early detection of MALT lymphoma of salivary gland can help to reduce the patient's morbidity and mortality.

Speaker Biography

Priyanka Debta did her MDS (Oral Pathology and Microbiology), IDS from Soa University, BBSR, Odisha. She has more than eight years' of experience in this field of Oral Pathology and Microbiology. She is a dedicated, resourceful and innovative instructor for Undergraduate and Post-graduate students that helps in intellectual growth by creating an atmosphere of mutual respect and open communication. Her various review, research work and case reports has been published in reputed international and national journals. She has been also contributed as a co-author in the book treatment of trigeminal neuralgia by Lambert publication. She has also participated for posters and oral paper presentations in various national and international conferences. Her broad area of interest in research work is evaluation of immunological cells infiltration in oral oncology and in various odontogenic cysts and in the field of Forensic Odontology.

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