

## Estimation of Serum Immunoglobulins [IgG] and [IgA] in Patients with Grade III and Grade IV Oral Submucous Fibrosis

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### Abstract

**Background:** The present study was done to estimate the serum levels of IgG and IgA in patients of grade III and grade IV oral submucous fibrosis. **Materials & Methods:** A total of 189 patients of both sexes of OSMF of grade III and grade IV were selected for the study. Serum IgG and IgA were quantified by using a diagnostic kit (IgG and IgA turbidometric immunoassay for estimation of immunoglobulin IgG and IgA). **Results:** Maximum numbers of OSMF patients were found in the age group of 15 to 24 years (70.27%). Males were found to be more affected (78.30%) with OSMF than the female patients. On comparison of the OSMF and control patient's immunoglobulin values of IgG, it was found to be significant. Similarly the IgA levels were estimated and found to be statistically significant. **Conclusion:** Immunology has a definite role in OSMF and thus, there is imbalance of immunoregulation as well as alteration of local tissue architecture.