**Original article:**

**Lipid Profile in Oral Submucous Fibrosis Patients in India -A Pilot Study**

1Dr. Gopal Sharma, 2Dr. Deepa Das , 3Dr. Jaya Mukherjee , 4Dr. Bhagyashri Purandare

1 Head of Department, Oral Medicine and Radiology, YMT Dental College and Hospital

2Associate Professor, Dept of Oral medicine and Radiology, YMT Dental College and Hospital

3Postgraduate studies, Dept of Oral medicine and Radiology, YMT Dental College and Hospital

4Postgraduate studies, Dept of Oral medicine and Radiology, YMT Dental College and Hospital

 Institute: YMT Dental College and Hospital, kharghar, Navi Mumbai, Maharashtra, India

**Corresponding author**: Dr Jaya Mukherjee , Email id :drjaya\_mukherjee@yahoo.co.in

**Abstract:**

**Introduction:** Oral Submucous fibrosis is seen predominantly in Indians who chew betel quid or its variants. The predominant age group affected is 20-40 years. This study is aimed to evaluate the plasma lipid profile in OSMF patients as the change in lipid levels may have a diagnostic and prognostic role in the potentially malignant lesions.

**Materials & Methods:** A pilot study was conducted in 10 clinically diagnosed patients of OSMF . Fasting blood samples were collected in plain vials and there lipid profiles were analyzed in Sai Samarth diagnostic centre, Dombivli.

**Results:** There lipid profile when compared with the normal standardized values showed a significant decrease in serum cholesterol, LDLC and LDLC/HDLC ratio, whereas HDLC was found to be raised in some patients in the study group as opposed to controls.

**Conclusion:** To conclude, it appears that the lower serum lipid status may be considered as a useful indicator for initial changes occurring in the neoplastic cells

**Keywords:** Oral Submucous fibrosis, cholesterol, triglycerides, areca nut