

Serum Protein Levels as Potential Biomarkers in Oral Cancer and Oral Precancer

Vibhuti Shreesh Mhatre, Snehal N Dhumal, Shilpa Nandvanshi, Prathmesh Tukaram Patil, Sheetal Choudhari

Oral Pathologist & Dental Surgeon, Mumbai, Oral Pathologist & Dental Surgeon, Women's Hospital, Dharashiv, Department of Oral Pathology, YMT Dental College, Navi Mumbai (Maharashtra)

ABSTRACT:

Background: The reactive free radicals may interact with intracellular macromolecules such as proteins leading to carcinogenesis. This study was conducted to assess the use of proteins as potential biomarkers in oral premalignant and malignant lesions.

Materials & Methods: This study was conducted on 15 individuals with oral potentially malignant disorders, 15 patients with oral cancer, and 15 healthy controls.

Results: Our results showed that serum protein levels were decreased in OPMDs, but increased in Oral cancer.

Conclusion: It may be concluded that serum protein can be used a potential biomarker for Oral precancer and oral cancer.

KEY WORDS: OPMDs, Oral cancer, leukoplakia, OSMF, biomarkers