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## **Utility of toluidine blue staining and brush biopsy in precancerous and cancerous oral lesions.**

Gupta A, Singh M, Ibrahim R, Mehrotra R.

Department of Pathology, Moti Lal Nehru Medical College, Allahabad University, Allahabad, India.

### **Abstract**

**OBJECTIVE:** To evaluate the usefulness of toluidine blue and brush biopsy in precancerous oral lesions and squamous cell carcinoma.

**STUDY DESIGN:** The study was conducted at Moti Lal Nehru Medical College, Allahabad, India. Ninety-six patients with suspicious oral lesions who attended the outpatient clinics of otorhinolaryngology were screened with in vivo toluidine blue staining and oral brush biopsy.

**RESULTS:** Oral brush biopsy showed high specificity and sensitivity. Toluidine blue staining was highly sensitive and moderately specific for malignant lesions but less sensitive for premalignant lesions.

**CONCLUSIONS:** Early detection of oral carcinoma is possible even at the precancerous stages by using noninvasive, painless and outpatient procedures, such as in vivo toluidine blue staining and brush biopsy.

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**MeSH Terms, Substances**

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