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

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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.

PMID:17910350[PubMed - indexed for MEDLINE]

MeSH Terms, Substances

LinkOut - more resources