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The adjunctive role of toluidine blue in detection of oral premalignant and malignant lesions.

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Abstract

PURPOSE OF REVIEW: To review the literature on **toluidine blue** (TBlue) and to discuss the utility of TBlue in assessing and in clinical management of patients with **oral mucosal lesions**. The literature search was conducted using key word search including **oral cancer**, **oral premalignant lesions**, and TBlue and by selecting references from the articles reviewed.

RECENT FINDINGS: The findings of this review show that TBlue has utility as an adjunct in the **detection of premalignant and malignant oral mucosal lesions** and in identifying high-risk areas of **lesions** for biopsy in patients at increased risk of cancer when evaluated by experienced healthcare workers.

SUMMARY: TBlue positive **lesions**, whether histologically benign or with dysplasia, predict molecular change and behavior of **oral premalignant lesions**. TBlue may provide information regarding lesion margins, accelerate the decision to biopsy, guide biopsy site selection and treatment of **oral premalignant and malignant lesions**. These findings support the utility of TBlue as a clinical adjunct in assessment of **oral mucosal lesions**.

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