



## Adjunctive Diagnostic Techniques as Screening Tools for Oral Premalignant and Malignant Conditions

**Dr Anitha Krishnan Pandarathodiyil**

*Faculty of Dentistry, SEGi University & Colleges, Malaysia*

**Abstract:** It is one of the major objectives of the WHO to reduce the burden of oral cancer globally by identifying prevention and early detection of oral cancer. Visual examination of the mouth is still largely used for screening of oral premalignant and malignant lesions. However, simple visual examination has its limitations in rare occurrences when dysplasias or early oral squamous cell carcinomas occur in normal- looking oral mucosa. To assist in these situations adjunctive techniques have been developed and suggested to increase our ability to differentiate between benign and malignant oral lesions. Some of these techniques are the usage of tissue autofluorescence, toluidine blue, brush biopsy and chemiluminescence. This guest lecture will focus on these adjunctive techniques with a note on their advantages and disadvantages.



**Biography:** Dr Anitha Krishnan Pandarathodiyil has done her Masters in Oral Pathology and has worked as a senior lecturer in Oral Pathology in several dental colleges in India, Saudi Arabia, and Malaysia. She pursued her second Master's degree in Experimental Oral Pathology from Queen Mary University of London.

### Publications:

1. Role of CGRP in Neuroimmune Interaction via NF- $\kappa$ B Signaling Genes in Glial Cells of Trigeminal Ganglia
2. Medication-Related Osteonecrosis of Jaws (MRONJ) Prevention and Diagnosis
3. Organotypic Co-Cultures as a Novel 3D Model for Head and Neck Squamous Cell Carcinoma
4. Application of Texture and Fractal Dimension Analysis to Estimate Effectiveness of Oral Leukoplakia Treatment Using an Er:YAG Laser
5. Self-Reported Oral Health, Oral Hygiene and Associated Factors in Lithuanian Adult Population

[38th International Conference on Dentistry & Oral Care, Sydney, Australia, February 10-11, 2020](#)

**Abstract Citation:** [Dr Anitha Krishnan Pandarathodiyil, Adjunctive Diagnostic Techniques as Screening Tools for Oral Premalignant and Malignant Conditions, Dentistry 2020, Sydney, Australia, February 10-11, 2020, pp: 0-1](#)