



Wednesday, September 20, 2017

LSC 3 | 12:00 - 1:00PM

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### *“Translational research in Oral Cancer Control – Early Detection, Risk Assessment, and Management”*

Oral cancer (OC) has worldwide impact, accounting for 274,000 new cases and 145,000 deaths each year. The 5-year survival rates range from 30-60% and are among the worst of all cancer types; most troubling, however, is the lack of significant change in prognosis for this disease over the last 50 years. Even for those who survive, treatment of OC often results in diminished quality of life, impaired function and disfigurement. New strategies for OC control through early detection, effective risk assessment, and management are urgently needed. Recently emerging novel optical and molecular technologies have shed lights to this devastating disease. The key to improving survival rates is the early identification of high-risk oral potentially malignant lesions (OPMLs) so that effective management strategies can be applied when the disease is still at its premalignant stage. We, a multidisciplinary team of core experts, have strived to find solutions through research. The objective of this presentation are: 1) To discuss the problems in management of OPMLs and OCs; and 2) To Update the current optical and molecular technologies in early detection and risk management. Systemic approach with preventive strategies can have a significant impact on oral cancer control by making it feasible to intervene with disease at earlier, more treatable stages.

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