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## Retrospective histological assessment of oral keratotic white lesions in Department of Oral Medicine, University of Dental Medicine, Mandalay

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**Background:** Oral keratotic white lesions are quite common in oral diagnostic section in Myanmar. Biopsy is a gold standard for early detection of oral cancer is important for patient's life.

**Aim:** To detect histological variants of biopsy specimens that appear as oral keratotic white lesions.

**Material & Methods:** Biopsy specimens which are written as keratotic white lesions in pathological requisition forms and sent to Department of Oral Medicine, University of Dental Medicine, Mandalay from 2014 to 2019 (n=65) are retrospectively studied by hematoxylin and eosin stain. Clinical data are obtained from pathology request forms.

**Results:** Age range is from 20 to 77 years. Common age is 51 to 60 years age range (23/65) (35%). Male to female ratio is 3.6:1. Sites of distributions are right buccal mucosa (42%), left buccal mucosa (28%) and tongue (14%). Of the 65 cases, 37 cases (57%) are diagnosed as oral leukoplakia of which 21(57%) are mild oral epithelial

dysplasia (OED), 13(35%) moderate epithelial dysplasia and 3(8%) severe epithelial dysplasia. Oral squamous cell carcinoma with early invasion and microinvasion is seen in 10 cases (15%) and verrucous carcinoma 4 cases (6%). PVL is only one case (2%) and epithelial hyperplasia and hyperkeratosis is 5 cases (8%). Other cases are oral lichen planus 6 cases (9%), and OSMF one case (2%).

**Conclusions:** Prevalence of OED and OSCC in oral keratotic white lesions is higher than other populations and early histopathological examination to these lesions plays an important one.

### Biography

Khin Soe has completed his study from University of Dental Medicine, Yangon in 2015. He is a Lecturer in the Department of Oral Medicine, University of Dental Medicine, Mandalay Myanmar.

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