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**Long term follow-up of non-goblet cell and goblet cell columnar lined lower end esophagus****Kim Vaiphei and Poonam Bhaker**

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**Background:** Significance of non-Goblet Cell (GC) Columnar Mucosa (CM) present at Lower End Esophagus (LEE) remains controversial and there is limited information of the follow-up data.

**Aim:** To evaluate outcome of Barrett's Mucosa (BM) and NGCM in long term follow-up biopsies.

**Methods & Results:** There were 178 patients, mean age of 52.1±15.6, 7 <20 years, M:F=5:1; 70% had reflux symptom and 30% had dysphagia. Endoscopy: only BM in 130 (73%), ulceronodular in 17%, stricture in 5% and small polyps in 5%. 60 (34%) cases had long segment (LSBM) and 70 (54%) short segment (SSBM); 11% had hiatus hernia. Histology: GCs were identified in 83% of the biopsies, 94% with LSBM. Dysplasia was observed in 65 (37%), Low Grade (LGD) in 68% and High Grade (HGD) in 32%, 26 (14%) had carcinoma associated with BM and HGD. 30 (17%) biopsies with no GC showed Alcian Blue (AB) positive cells, 7 (4%) had LGD and 3 (2%) had HGD, none had associated carcinoma. Follow-up biopsy showed regression and normalization of mucosa and symptomatic relieve in many. Majority of LGD remained static with few progressing to HGD. Majority of HGD progressed to frank carcinoma over the years. Retrospectively evaluated biopsies reported as Columnar Mucosa (CM) with and without GC and correlated with clinical outcome.

**Conclusion:** High percentage of non-GCCM showed AB positivity and dysplasia. Many of cases with BM, LGD and HGD developed carcinoma. Ulceronodular and stricturous lesions associate frequently with BM and carcinoma. Present study emphasizes equal importance of follow-up biopsy in BM and NGCM.

**Biography**

Kim Vaiphei is currently serving as a Professor at Department of Histopathology, Post Graduate Institute of Medical Education and Research, Chandigarh, India. She has received MBBS in 1983 and MD Pathology in 1987. She is a Fellow of International Union against Cancer (UICC-WHO), National Academy of Medical Sciences, India and Indian College of Pathology. She holds various levels of faculty positions in the Department of Histopathology, PGIMER and remained as Professor since 2006. Her area of research includes molecular pathways of cancer development. She has more than 300 publications and attended more than 50 national and more than 20 international conferences.

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