Introduction

- Nasal polyp – chronic inflammatory disease of the pedunculating oedematous mucous membrane.
- The polyp stroma is highly oedematous with a varying density of inflammatory cells.
- Inflammatory cell population in nasal polyp will provide essential information on the pattern of local inflammation and it related pathologic mechanisms.
- The gold standard for classification of eosinophil dominated and neutrophil dominated nasal polyps is the histological criterion.

Aim

- To study the distribution of eosinophils vs neutrophils in patients with bilateral nasal polyps at - ORL-HNS Hospital, Yangon.
- All of the results were based on my own experiments of total 96 bilateral nasal polyps patients.

Results

- Infiltration and activation of eosinophils are the hallmark of nasal polyp tissue.
- Interestingly, not all nasal polyps are eosinophil dominated, neutrophil dominated inflammation is also observed.

Conclusion

- Pathophysiology of this condition is still uncertain, however eosinophilic inflammation has emerged as a major factor.
- Infiltration and activation of eosinophils are the hallmark of nasal polyp tissue.