

# SURGICAL SALVAGE VIA ENDOSCOPIC ASSISTED LEFORT I OSTEOTOMY APPROACH IN RECURRENCE NASOPHARYNGEAL CARCINOMA

Ahmad R. \*, Ishlah W. \*, Norie A. \*\*, Noerdin S. \*\*\*

\* Department of Otolaryngology - Head & Neck Surgery, International Islamic University Malaysia

\*\* Department of Radiology & Imaging, Tengku Ampuan Afzan Hospital, Malaysia

\*\*\* Department of Otolaryngology, Tengku Ampuan Afzan Hospital, Malaysia





# Presentation Outlines

- Introduction
- Cases Presentation
- Surgical Approach Illustration
- Results
- Discussion
- Conclusion



# Introduction

- Previous investigators reported 11.6% to 18.5% of pts had tumor recurrence in NPC. (Hsu et.al. Cancer 1983, Zhang et.al. I J Rad Onc Biol Phys 1989)
- Surgical salvage for local recurrence in nasopharyngeal cancer has emerged as an important treatment option.
- The surgical approaches are divided into
  - inferiorly by midline mandibulotomy or median labiomandibular glossotomy,
  - laterally by facial translocation or transpterygoid approach
  - anteroposteriorly by maxillary swing or maxillectomy approach.
- Most cases of T<sub>1</sub> NPC resected totally by anteroposterior approaches. (Shu et.al Laryngoscope 2000, Wei et.al. Arch O-HNS 1995)



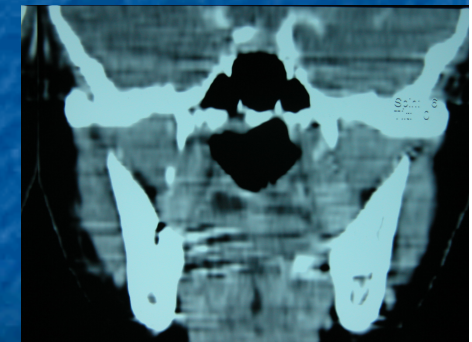
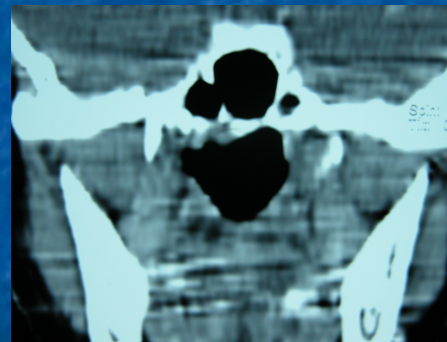
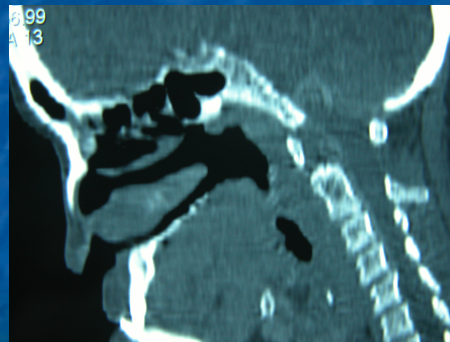
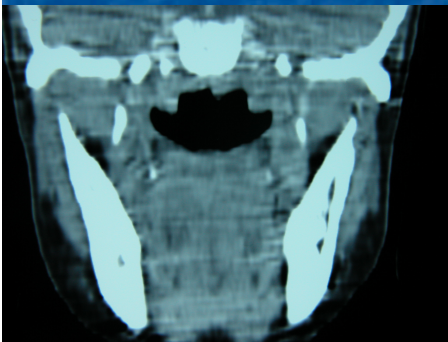
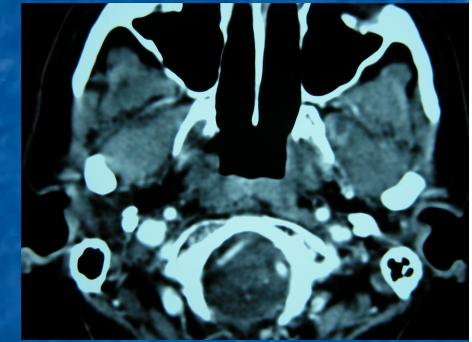
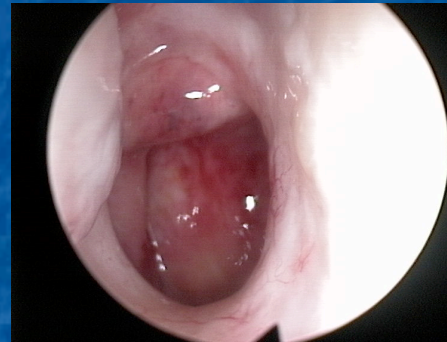
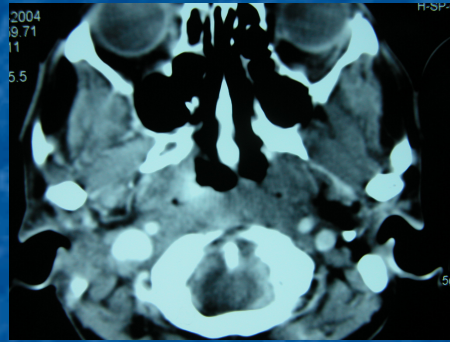
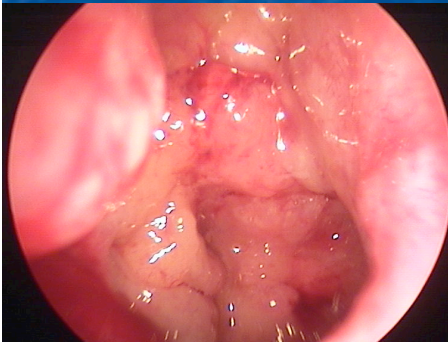
## Aim of Presentation

- To illustrate our surgical approach for nasopharyngectomy in two cases of recurrence nasopharyngeal cancer by means of endoscopic assisted Lefort I osteotomy.



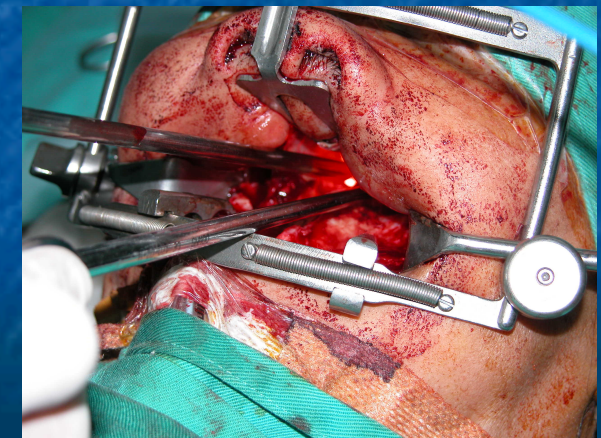
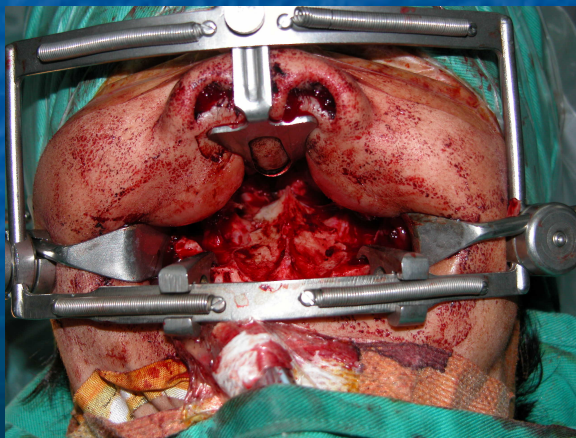
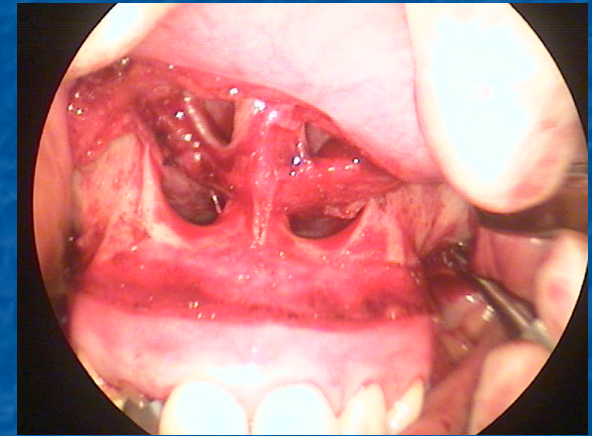
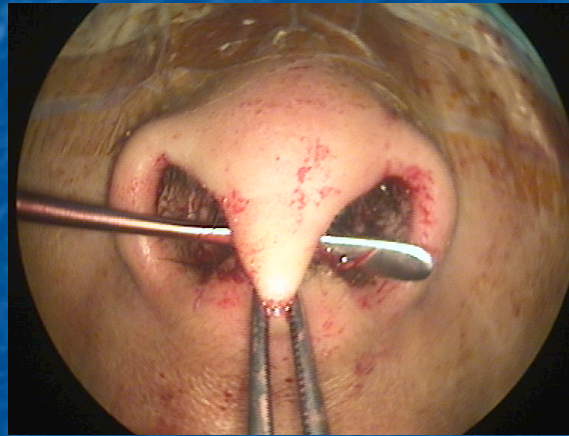
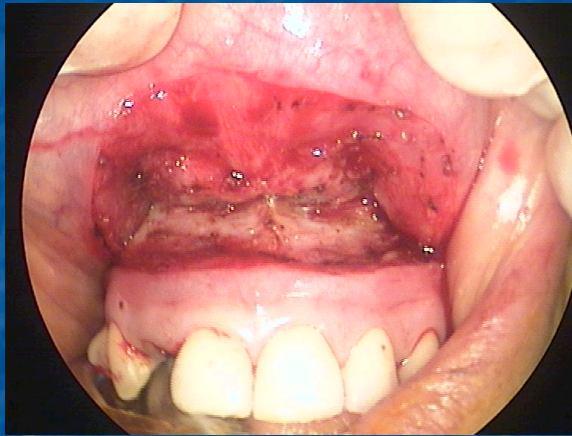
*Case 1 (R.H. 54 y/o)*

*Case 2 (T.S.C. 45 y/o)*



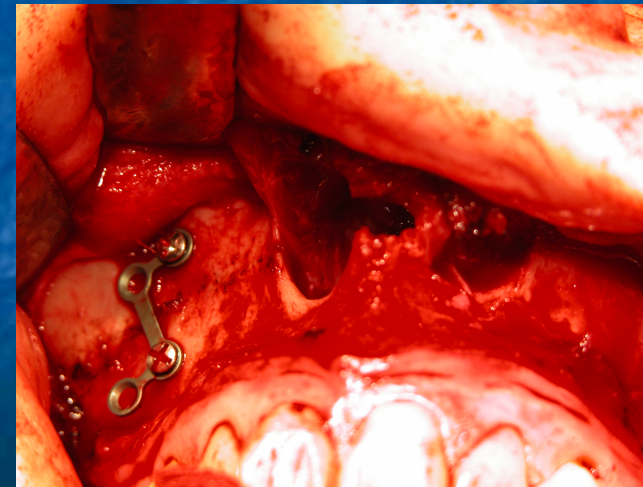
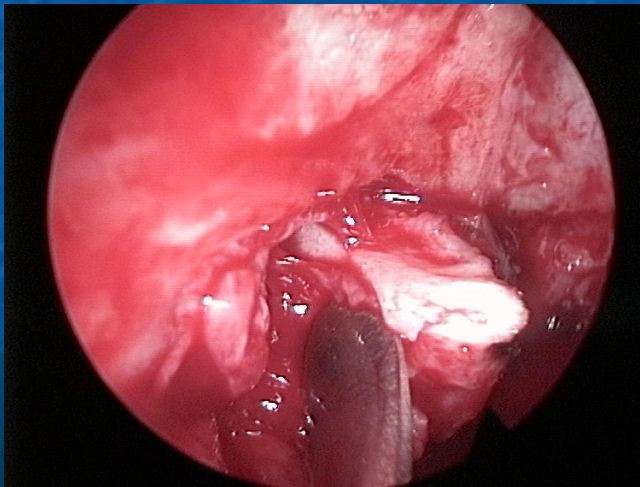
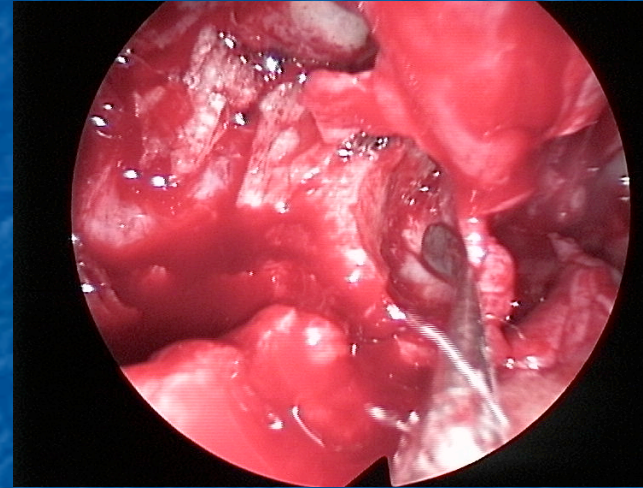
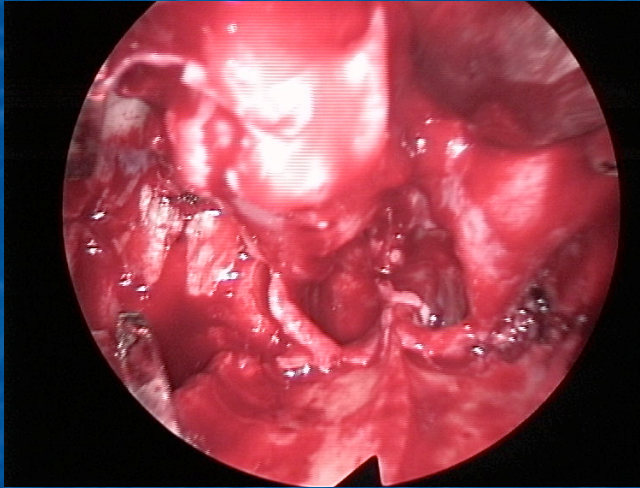


# Surgical Approach



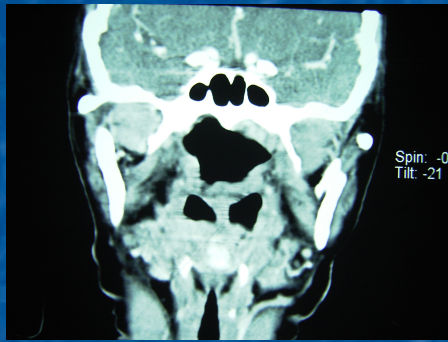
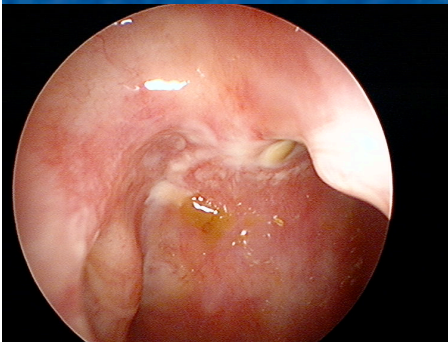
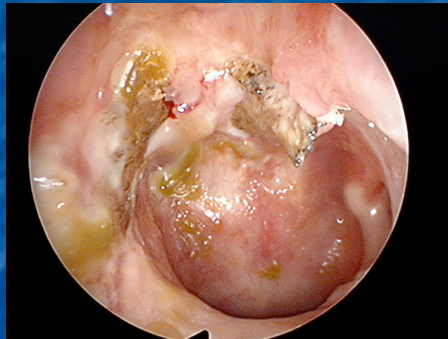


## Surgical Approach (cont.)

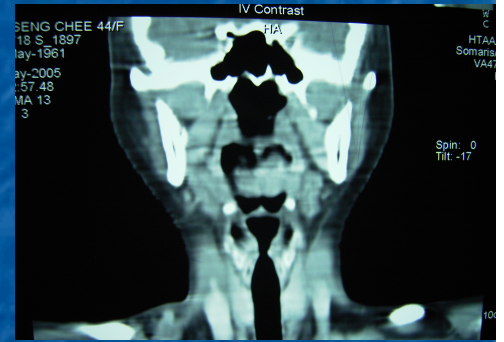
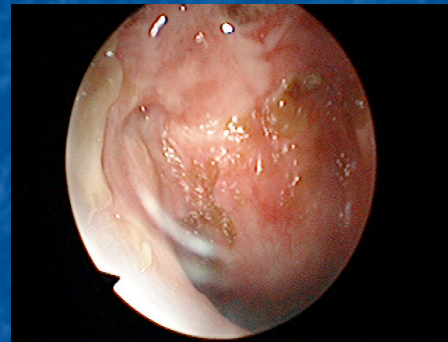
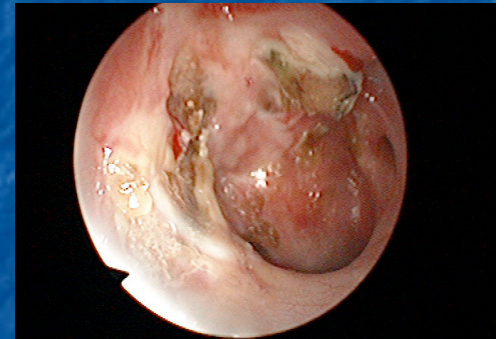




## Result Case 1



## Result Case 2







## Discussion

- Salvage surgery is complicated & restricted by surrounding vital structures.
- With endoscopic assisted make the surgical field wider.
- T<sub>1</sub> NPC can be resected totally by endoscopic assisted Lefort I osteotomy approach.
- This approach also can offer better chance to completely resect selected T<sub>2</sub> NPC.
- Facial scarring & risk of ectropion can be avoided.
- Can avoid re-irradiation complications.



# Conclusion

- Endoscopic assisted Lefort I osteotomy approach is a viable alternative for early stage in recurrence of nasopharyngeal cancer where the morbidity is minimal with excellent recovery.

## Acknowledgements

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*First author (Dr. Raja Ahmad) contact e-mail : [rahmad@iiumedic.edu.my](mailto:rahmad@iiumedic.edu.my)*

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الجامعة الإسلامية العالمية ماليزيا

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