

Introduction

Epistaxis is a common otolaryngologic problem. Anterior bleed from Kiesselbach's plexus is the most common, and in most cases its self-limited or can be managed by primary care. Posterior bleed arises from branches of ethmoidal arteries or branches of sphenopalatine arteries, these cases can result in significant hemorrhage and may require nasal packing or even hospital 25 admission. Epistaxis appears to have a bimodal age distribution, with most cases occurring before age 10 or between 45 and 65 years of age.

Objectives

The aim of our study was to determine the most prevalent risk factor associated with nosebleeds either the use of anticoagulants or acute hypertension. Additionally, we aimed to identify the most effective management method.

Methodology

A total of 85 patient being treated with epistaxis within 3 months period in Based on our study, we observed that the use of anticoagulants was more 2023. We evaluated patient's gender, treatment method, anticoagulant prevalent in association with epistaxis. The most common treatment method medication and whether they suffered from acute hypertension. The treatment for all patients was electrocoagulation, with no recurrent incidents methods included conservative measures (observe the patient for 30mins for afterward. Additionally, medical staff reported extra advantage of recurrent bleed), chemical cautery (silver nitrate apply to area surrounding electrocoagulation: it can be performed in office hour with local analgesic. the bleeding site), electrocoagulation, nose packing, and hospitalization.

Results

17 patients suffered from epistaxis while taking anticoagulants. 14 patients who suffered from epistaxis also presented with acute hypertension. The majority of patients, specifically 54 out of total, presented with no known risk factors. The distribution of management methods for all patients is as follows: 11.8% were treated conservatively, 14.1% treated by sliver nitrate, 40.0% underwent electrocoagulation, 33% underwent nose packing, and 1.1% required hospitalization. Among the treatment methods, patients who underwent conservative and nose pack experienced more likely recurrence than after other treatment options.

RISK FACTOR OF RECURRENT NOSEBLEED

Author: Joan Tan Jo An Supervisor: doc. MUDr. Richard Salzman, Ph.D. **Department of Otolaryngology and Head and Neck Surgery, University Hospital Olomouc (FNOL)** Table. Distribution of management methods <u>Table2.Recurrency after treatment</u>



Conclusions

Aknowledgements

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References

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