CORRECTION OF THE DEVIATED SEPTUM: FROM THE ENDOSCOPIC ERA

Nurmatova Aziza Kozimovna

Makhmudova Maftuna Shokirovna

Nurov Firdavs Kodirkulovich

Abstract: Obstructed nasal breathing can occur due to deviation of the nasal septum. When the external nose appears grossly normal and cosmesis is not the focus, septoplasty has been the procedure used to straighten the septum with the goal of improving nasal airflow. Septoplasty has evolved over time.

Keywords: history; maxilla; nasal cartilages; nasal septum; natural orifice endoscopic surgery; nose deformities; vomer.

Methods: A historical literature review was conducted to look for primary source journal articles and medical conferences proccedings addressing the evolution of the septoplasty procedure.

Results: Early techniques involved forcible fractures and splinting. Submucous resection was the first major advancement in surgical technique. Once the complications resulting from this technique were observed, it was subsequently revised with attempts to better address the caudal septal deviation. Attention was then turned to better incorporating the role surrounding support structures, such as the upper lateral cartilages. The premaxilla-maxilla approach attempted to address the overall nasal structure to best improve nasal breathing. The advent of endoscopic technique has been the most recent shift in surgical technique with improved visualization allowing for targeted septoplasty and reoperation on complicated cases including pituitary and skull base surgery.

Conclusion: This paper discusses the evolution of septoplasty techniques over time from the initial undertakings of the ancient Egyptians to the modern-day septoplasty. While the principles behind septoplasty have remained much the same, experience has allowed for refinement of surgical technique. No doubt new instrumentations and innovations will

further help to tailor the practice of septoplasty to the anatomy and functional needs of each individual patient.

References:

1. Усовершенствование лечения больных с юношеской ангиофибромой носоглотки Г Лутфуллаев, Ш Кобилова, Ф Хамраев, Ф Асророва - Стоматология, 2015
2. Clinical and Morphological Characteristics of Benefits of the Nose and Paranasal Sinuses G Lutfullaev, N Safarova, U Nematov, S Kobilova… - Annals of the Romanian Society for Cell Biology, 2021
3. Exudative Otitis Media-Early Symptom of Junior Nasopharyngeal Angiofibroma G Lutfullaev, U Lutfullaev, S Kobilova, N Safarova… - Annals of the Romanian Society for Cell Biology, 2021
4. Lutfullaev, G. U., & Safarova, N. I. (2023). Plant Immunomodulators in the Treatment of Diseases of the Upper Respiratory Tract. INTERNATIONAL JOURNAL OF HEALTH SYSTEMS AND MEDICAL SCIENCES, 2(1), 128-132.
5. Lutfullaev, G. U., Fayzullaev, A. I., & Sh, K. S. (2023). Clinic and Diagnosis of Benign Tumors of the Laryngopharynx. INTERNATIONAL JOURNAL OF HEALTH SYSTEMS AND MEDICAL SCIENCES, 2(1), 115-118.
6. Лутфуллаев Г. У. Клиника, диагностика и современные методы лечения доброкачественных опухолей полости носа и придаточных пазух. Дис. к-та мед.наук. Ташкент, 2004 С. 65-85.
7. 5. Лутфуллаев У.Л., Сафарова Н.И., Ким Н.А., Мухтарова Д.А. // Микрофлора гайморитов у больных с доброкачественными новообразованиями полости носа и гайморовой пазухи Stomatologia. Ташкент, 2015. № 3-4. С. 128-130.
8. 6. Сафарова Н.И. Диагностика и лечение синуситов при доброкачественных новообразованиях носа и околоносовых пазух. Дис. к-та мед.наук. Ташкент, 2011 С. 3-7.

9. Lutfullaev, G. U. (2023). Characteristics of Auditory Disfunction in Patients with Benign Neoplasms in Ent Practice. INTERNATIONAL JOURNAL OF HEALTH SYSTEMS AND MEDICAL SCIENCES, 2(6), 132-135.