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Outcome of Endoscopic Sinus Surgery of Adult Chronic Rhinosinusitis in First Central Hospital of Mongolia

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Background. Chronic rhinosinusitis (CRS) can be classified as CRSwNP, CRSsNP and allergic fungal rhinosinusitis. CRS may also be divided into eosinophilic CRS (ECRS) and non-ECRS subtypes based on the endotype inflammatory pattern. **Methods.** 17-73 ages of 200 CRS patients who were operated endoscopic sinus surgery at department of Otorhinolaryngology of First Central Hospital between November 2019 and November 2020, involved in this study. CT changes were evaluated according to the Lund-Mackay's score before and after surgery. Additionally, we used "VAS" questionnaire SNOT-22 questionnaire. We performed 132 biopsies on patients who underwent the endoscopic sinus surgery and evaluated them according to the histological test instruction. **Result.** After the surgery and LM score was 9.42(Std.- 5.03) in CRSsNP group and 11.66 (Std.- 5.12) in CRSwNP group. SNOT-22 score was 46.6±20.1 in CRSsNP group and 14.3±13.0 1 month after surgery (p<0.0001). Otherwise, SNOT-22 score was 48.4±19.7 before surgery and 15.2±16.3 1 month after surgery in in group of CRSwNP (p<0.0001). **Conclusion.** Endoscopic sinus surgery for CRS is effective according to the evaluation of Lund-Mackay, VAS and SNOT-22, and it was statistically significant (p<0.05).

Histological test showed us the surgery is effective for certain sign including inflammatory process, number eosinophils and submucosal edema (p<0.05).

Recent Publications

Altandush Enkhtaivan et al, Anatomic variations of the nose and paranasal sinuses in Mongolian population: computed tomography

scan analysis. The Mongolian Journal of Otolaryngology. 2019;10:49-57

Altandush Enkhtaivan et al, Paranasal sinus anatomic variants and its association with chronic rhinosinusitis. The Mongolian Journal of Phatology 2020;1(06):36-40

Altandush Enkhtaivan et al, Quality of Life Outcomes after Functional Endoscopic Sinus Surgery. Mongolian Journal of Medical Science. 2021;1(57):94-100

Altandush Enkhtaivan et al, Computed tomography findings outcome Endoscopic Sinus Surgery. Mongolian Journal of Integrated Medicine. 2021;8(02):81-86

Altandush Enkhtaivan et al, Endoscopic Sinus Surgery in the management of chronic rhinosinusitis. An objective assessment. Mongolian Journal of Medical Science. 2021;1(57):25-29

Biography:

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