

7. Murodov Sh. D., Makhmudnazarov M. I., Shoiev M. D., Nazarov Z. Kh., Tuidiyev Sh. Sh. The current state of the diagnosis and complex treatment of nasal septum deformation associated with allergic rhinitis. *Zdravookhranenie Tadzhikistana*. 2019;1:74-83. (In Russ.) [https://elibrary.ru/download/elibrary\\_41261225\\_74632241.pdf](https://elibrary.ru/download/elibrary_41261225_74632241.pdf)
8. Pevernagiea D. A., Meyer M. M. De, Claeyes S. Sleep, breathing and the nose. *Sleep Medicine Reviews*. 2005;9:437-451. doi: 10.1016/J.SMRV.2005.02.002
9. Kryukov A. I., Tsarapkin G. Yu., Romanenko S. G., Tovmasyan A. S., Panasov S. A. The prevalence and pattern of diseases of the nose and paranasal sinuses among the adult population of a megalopolis. *Rossiiskaya rinologiya*. 2017;1:3-6. (In Russ.). doi: 10.17116/rosrino20172513-6
10. Piskunov G. Z., Angotoeva I. B., Isabajeva N. V. Functional state of the larynx in patients with the deviated nasal septum. *Kremlevskaya meditsina: klinicheskii vestnik*. 2013;1:58-62. (In Russ.). [https://elibrary.ru/download/elibrary\\_19863118\\_21572396.pdf](https://elibrary.ru/download/elibrary_19863118_21572396.pdf)
11. Rasulev S. D., Kozlov V. S., Shilenkova V. V. Analysis of functional changes nasal cavity mucous membrane in septum deformities. *Rossiiskaya otorinolaringologiya*. 2010;4(47):86-91 (in Russ.) [https://www.elibrary.ru/download/elibrary\\_16359285\\_17076241.pdf](https://www.elibrary.ru/download/elibrary_16359285_17076241.pdf)
12. Gyusan A. O. The potential of simultaneous surgery in rhinology. *Vestnik otorinolaringologii*. 2014;3:48-50. (In Russ.). <https://www.mediasphera.ru/issues/vestnik-otorinolaringologii/2014/3/downloads/ru/030042-46682014313>
13. Korkmazov A. M. The topical issues of the treatment of the patients presenting with rhinosurgical problems during the early postoperative period. *Rossiiskaya rinologiya*. 2018;26(1):38-42. (In Russ.). <https://www.mediasphera.ru/issues/rossijskaya-rinologiya/2018/1/downloads/ru/1086954742018011038>
14. Tseluiko S. S., Krasavina N. P., Semenov D. A. *Regeneratsiya tkanei. Uchebnoe posobie*. Blagoveshchensk: AGMA. 2016. 135 p. (In Russ.). [https://www.elibrary.ru/download/elibrary\\_25888412\\_23662545.pdf](https://www.elibrary.ru/download/elibrary_25888412_23662545.pdf)
15. Kryukov A. I., Kunelskaya N. L., Tsarapkin G. Yu., Tovmasyan A. S., Panasov S. A. Nasal septal perforation: State-of-the-art. *Rossiiskaya rinologiya*. 2016;1:4-9. (In Russ.). <https://www.mediasphera.ru/issues/rossijskaya-rinologiya/2016/1/downloads/ru/160869-54742015011>
16. Oberg D., Akerlund A., Johansson L., Bende M. Prevalence of nasal septal perforation: the Scovde population based study. *Rhinology*. 2003;41(2):72-75. [https://www.researchgate.net/publication/10656445-Prevalence\\_of\\_nasal\\_septal\\_perforation\\_The\\_Skovde\\_population-based\\_study](https://www.researchgate.net/publication/10656445-Prevalence_of_nasal_septal_perforation_The_Skovde_population-based_study)
17. Ovchinnikova E. V., Lopatin A. S. Surgical closure of nasal septal perforation: details and results. *Rossiiskaya rinologiya*. 2013;1:4-7. (in Russ.). <https://www.mediasphera.ru/issues/rossijskaya-rinologiya/2013/1/downloads/ru/030869-5474201312>
18. Dvoryanchikov V. V., Tipikin V. P., Shelikhovskaya M. A., Isachenko F. A. The use in plastic of chronic and acute perforations of the nasal septum of transplant materials processed by the "Alloplant" technology. *Rossiiskaya otorinolaringologiya*. 2020;19(2):21-27. (in Russ.). doi: 10.18692/1810-4800-2020-2-21-27
19. Karpishchenko S. A., Aleksandrov A. N., Shakhnazarov A. Eh., Fatalieva A. F., Kucherenko M. Eh. Functional state of the nasal cavity after endoscopic septoplasty. *Rossiiskaya otorinolaringologiya*. 2020;19(3):16-21. (In Russ.) <https://doi.org/10.18692/1810-4800-2020-3-16-21>
20. Piskunov G. Z. Normal and pathological physiology of the nose and paranasal sinuses. *Rossiiskaya rinologiya*. 2017;3:51-57. (In Russ.). <https://www.mediasphera.ru/issues/rossijskaya-rinologiya/2017/3/downloads/ru/108695474201703105>
21. Kobylanskiy V. I. Mukotsiliarnaya sistema. *Fundamental'nye i prikladnye aspekty*. M.: BINOM, 2008. 416 p. (In Russ.). <https://www.elibrary.ru/item.asp?id=19544210>
22. Zavaliy M. A. Comparative histology and physiology of the respiratory epithelial ciliated apparatus. *Tavrisheskii mediko-biologicheskii vestnik*. 2014; tom 17, 2(66):46-53. (In Russ.). [https://www.elibrary.ru/download/elibrary\\_22833550\\_21722085.pdf](https://www.elibrary.ru/download/elibrary_22833550_21722085.pdf)
23. Van Cauwenberge P., Sys L., Belder T. D., Watelet J. B. Immunology and Allergy Clinics of North America. 2004; 24:1-17. doi: 10.1016/S0889-8561(03)00107-3
24. Watelet J. B., Van Cauwenberg P. Applied anatomy and physiology of the nose and paranasal sinuses. *Allergy*. 1999;54,(57):14-25. doi: 10.1111/j.1398-9995.1999.tb04402.x
25. Lisbeth Illum. Nasal Clearance in Health and Disease. *Journal of aerosol medicine*. 2006;19(1):92-99. doi: 10.1089/jam.2006.19.92
26. Achim G. Beule. Physiology and pathophysiology of respiratory mucosa of the nose and the paranasal sinuses. *GMS Current Topics in Otorhinologyngology – Head and Neck Surgery*. 2010;9:1-24. doi: 10.3205/cto000071
27. Kozlov V. S., Kramnoi A. I., Derzhavina L. L., Averin A. A., Lukashovich Yu. A., Alekseev D. S. Study of motor activity of the ciliary apparatus of the human nasal cavity in various anatomical zones. *Rossiiskaya rinologiya*. 2005;2:27. (In Russ.). <https://www.elibrary.ru/item.asp?id=9141322>
28. Zakharova G. P., Yanov Yu. K., Shabalin V. V. The mucociliary system of the upper respiratory tract. SPb.: Dialog. 2010. 360 p. (In Russ.). <https://www.elibrary.ru/item.asp?id=25848762>
29. Isachenko V. S., Mel'nik A. M., Il'jasov D. M., Ovchinnikov V. Yu., Kokorina O. V. Mucociliary clearance of the nasal cavity. some aspects of physiology and pathophysiology. *Tavrisheskii mediko-biologicheskii vestnik*. 2017;20(3):219-226. (In Russ.). [https://www.elibrary.ru/download/elibrary\\_30014997\\_34390694.pdf](https://www.elibrary.ru/download/elibrary_30014997_34390694.pdf)
30. Zavaliy M. A. Morphogenesis of ciliated epithelium. *Rinologiya*. 2014;1:38-49. (In Russ.). [http://www.lorlife.kiev.ua/rhinology/2014/2014\\_1\\_38.pdf](http://www.lorlife.kiev.ua/rhinology/2014/2014_1_38.pdf)
31. Isachenko V. S., Ovchinnikov V. Yu., Mel'nik A. M., Dvoryanchikov V. V. The state of motor activity of ciliated epithelium of the nasal cavity in patients with acute sinusitis. *Izvestiya rossiiskoi voenno-meditsinskoi akademii*. 2016;1:42-45. (In Russ.). [https://www.elibrary.ru/download/elibrary\\_36817667\\_99286935.pdf](https://www.elibrary.ru/download/elibrary_36817667_99286935.pdf)
32. Blenkinsopp W. K. Proliferation of respiratory tract epithelium in the rat. *Exp Cell Res*. 1967;46:144-154. doi: 10.1016/0014-4827(67)90416-8
33. Donnelly G. M., Haack D. G., Heird C. S. Tracheal epithelium: cell kinetics and differentiation in normal rat tissue. *Cell Tissue Kinet*. 1982;15(2):119-130. doi: 10.1111/j.1365-2184.1982.tb01030.x
34. Bezshapochnyi S. B., Gasyuk Yu. A., Loburets V. V., Vakhnina A. B. The mechanisms of local protection of the mucous membrane of the nasal cavity and paranasal sinuses. *Vestnik otorinolaringologii*. 2013;4:44-47. (In Russ.). [https://elibrary.ru/download/elibrary\\_21028060\\_33386819.pdf](https://elibrary.ru/download/elibrary_21028060_33386819.pdf)
35. Kobylanskiy V. I., Artiushkin A. V., Svetavskaia M. A. Effect of bemithyl (bemactor) on the bronchial epithelium regeneration and the main protector mechanisms of the respiratory system in chronic inflammation. *Tsitologiya*. 1999;41(3/4):250-253. (In Russ.). <https://pubmed.ncbi.nlm.nih.gov/10420471/>
36. Rawlins E. L., Hogan B. L. M. Ciliated epithelial cell lifespan in the mouse trachea and lung. *Am J Physiol Lung Cell Mol Physiol*. 2008;295:231-234. doi: 10.1152/ajplung.90209.2008
37. Bowden D. H. Cell turnover in the lung. *Am Rev Respir Dis*. 1983;128:46-48. doi: 10.1164/ARRD.1983.128.2P2.S46