

Chapter (6)

References

- **Andersen.I (1982).** The mucociliary system, in: D.F. Proctor, The Nose: Upper Airway Physiology and the Atmospheric Environment, Elsevier Biomedical Press, Amsterdam, pp. 245–78.
- **Arikan OK, Koc C, Kendi T, Muluk NB and Ekici A (2006).** CT assessment of the effect of fluticasone propionate aqueous nasal spray treatment on lower turbinate hypertrophy due to vasomotor rhinitis. *Acta Otolaryngol*; 126:37-42.
- **Baraniuk J, Ali M, Yuta A, Fang S-Y and Naranch K (1999).** Hypertonic saline nasal provocation stimulates nociceptive nerves, substance P release, and glandular mucous exocytosis in normal humans. *Am J Respir Crit Care Med*; 160:655- 62.
- **Baraniuk J, Castellino S, Lundgren J, Goff J, Mullol J, Merida M, et al (1990).** Neuropeptide Y (NPY) in human nasal mucosa. *Am J Respir Cell Mol Biol*; 3:165-73.
- **Baraniuk J, Lundgren J, Goff J, Peden D, Merida M, Shelhamer J, et al (1990).** Gastrin-releasing peptide in human nasal mucosa. *J Clin Invest*; 85:998-1005.
- **Baraniuk JN (1992).** Sensory, parasympathetic, and sympathetic neural influences in the nasal mucosa. *J Allergy Clin Immunol*; 90:1045-50.
- **Baroody F and Canning B (2003).** Comparative anatomy of the nasal and tracheal/ bronchial airways. In: Lenfant C, Corren J, Togias A, Bousquet J, editors. Upper and lower respiratory disease. New York: Marcel Dekker; p.1-51.

- **Baroody F, Wagenmann M and Naclerio R (1993).** Comparison of the secretory response of the nasal mucosa to methacholine and histamine. *J Appl Physiol*; 74:2661-71.
- **Baroody FM (1997).** Anatomy and physiology, in: R.M. Naclerio, S.R. Durham, N. Mygind, (Eds.), *Allergic and Non-allergic Rhinitis*, Munksgaard, Copenhagen.
- **Bateman JRM, Pavia D and Clarke S.W (1978).** The retention of lung secretions during the night in normal subjects. *Clin. Sci.* 55, p. 523.
- **Beckman JS and Koppenol WH (1996).** Nitric oxide, superoxide, and peroxynitrite* the good, the bad, and the ugly. *Am J Physiol*; 271:C1424- 37.
- **Bernstein JA (2007).** Azelastine hydrochloride: a review of pharmacology, pharmacokinetics, clinical efficacy and tolerability. *Curr Med Res Opin*, 23:2441–52.
- **Bhattacharyya N (2003).** The economic burden and symptom manifestations of chronic rhinosinusitis. *Am J Rhinol*; 17: 27-32.
- **Bickmore JT (1981).** Vasomotor rhinitis: an update. *Laryngoscope*; 91: 1600-5.
- **Blom H, Severijnen A, Van Rijswijk J, Mulder P, Van Rijk R and Fokkens W (1998).** The long-term effects of capsaicin aqueous spray on the nasal mucosa. *Clin Exp Allergy*; 28:1351-8.
- **Blom H, Van Rijswijk J, Garrelds I, Mulder P, Timmermans T and Van Wijk R (1997).** Intranasal capsaicin is efficacious in non-allergic, noninfectious perennial rhinitis. A placebo-controlled study. *Clin Exp Allergy*; 27:796-801.

- **Bousquet J, Khaltaev N, Cruz AA, Denburg J, Fokkens WJ, Togias A, et al (2008).** Allergic Rhinitis and Its Impact on Asthma (ARIA) 2008 update (in collaboration with the World Health Organization, GA (2) LEN and AllerGen). *Allergy*; 63(suppl 86):8-160.
- **Braat J, Mulder P, Fokkens W, van Wijk R and Rijntjes E (1998).** Intranasal cold dry air is superior to histamine challenge in determining the presence and degree of nasal hyperreactivity in nonallergic noninfectious perennial rhinitis. *Am J Respir Crit Care Med*; 157:1748-55.
- **Brofeldt S and Mygind N (1987).** Viscosity and spinability of nasal secretions induced by different provocation tests. *Am. Rev. Respir. Dis.* 36, pp. 353–356.
- **Brofeldt S, Ingstrup MH, Niebur-Jørgensen M, Katholm M, Mygind N, Widdicombe J and Marriott C (1979).** Biochemical and biophysical properties of nasal secretions sampled separately from the anterior and the posterior parts of the human nose.
- **Bronsky EA, Druce H, Findlay SR, Hampel FC, Kaiser H, Ratner P, et al (1995).** A clinical trial of ipratropium bromide nasal spray in patients with perennial nonallergic rhinitis. *J Allergy Clin Immunol*; 95: 1117-22.
- **Carson JL, Collier AM and Boucher RC (1987).** Ultrastructure of the epithelium in the human nose, in: N. Mygind, U. Pipkorn (Eds.), *Allergic and Vasomotor Rhinitis. Pathophysiological Aspects.* Munksgaard, Copenhagen, pp. 11–27.

- **Cauna N (1970).** Electron microscopy of the nasal vascular bed and its nerve supply. *Ann. Otol. (St. Louis)* 79, pp. 43–50.
- **Cauna N (1970).** The fine structure of the arteriovenous anastomosis and its nerve supply in the human nasal respiratory tract. *Anat. Rec.* 168, pp. 9–21.
- **Cauna N (1982).** Blood and nerve supply of the nasal lining. In: Proctor DF, Andersen IB, editors. *The nose*. Oxford: Elsevier Biomedical Press; p. 44-69.
- **Cauna N and Hinderer KH (1969).** Fine structure of blood vessels of the human nasal respiratory mucosa. *Ann. Otol. (St. Louis)* 78, pp. 865–871.
- **Clement PA (1984).** Committee report on standardization of rhinomanometry. *Rhinology*; 22: 151- 5.
- **Coghlan HC (1988).** Autonomic dysfunction in the mitral valve prolapse syndrome: the brain-heart connection and interaction. In: Boudoulas H, Wooley CF, editors. *Mitral valve prolapse and the mitral valve prolapse syndrome*. Mount Kisco, NY: Futura Publishing; p. 389-426.
- **Cole P (1982).** Upper respiratory airflow, in: D.F. Proctor, I. Andersen (Eds.), *The nose. Upper Airway Physiology and the Atmospheric Environment*, Elsevier Biomedical Press, Amsterdam, pp. 99–139.
- **Consensus Committee of the American Autonomic Society and the American Academy of Neurology (1996).** Consensus statement on the definition of orthostatic hypotension, pure autonomic failure and multiple system atrophy. *Neurology*; 46:1470.

- **Curatolo M, Arendt-Nielsen L and Petersen-Felix S (2004).** Evidence, mechanisms, and clinical implications of central hypersensitivity in chronic pain after whiplash injury. *Clin J Pain*; 20:469-76.
- **Daniels DL, Mark LP, Ulmer JL, et al (1998).** Osseous anatomy of the pterygopalatine fossa. *Am J Neuroradiol* 19:1423-1432.
- **de Vries A, van Rijnsoever C, Engels F, Henricks PA and Nijkamp FP (2001).** The role of sensory nerve endings in nerve growth factor-induced airway hyperresponsiveness to histamine in guinea-pigs. *Br J Pharmacol*; 134:771-6.
- **Devyani L and Corey JP (2004).** Vasomotor rhinitis update. *Current Opinion Otolaryngology Head Neck Surgery*, 12:243–247.
- **Dogu O, Apaydin D, Sevim S, et al (2004).** Ultrasound guided versus blind intraparotid injections of botulinum toxin-A for the treatment of sialorrhoea in patients with Parkinson's disease. *Clin Neurol Neurosurg*; 106:93 - 6.
- **Donofrio PD and Caress JB (2001).**Autonomic disorders. *Neurologist*;7: 220-33.
- **Douglas R and Wormald PJ (2006).** Endoscopic vidian neurectomy.
- **Dray A, Urban L and Dickenson A (1994).** Pharmacology of chronic pain. *Trends Pharmacol Sci*; 15:190-7.
- **Drettner B and Aust R (1974).** Plethysmographic studies of the blood flow in the mucosa of the human maxillary sinus. *Acta Otolaryngol. (Stockholm)* 78, pp. 259–263.

- **Dykewicz MS, Fineman S, Skoner DP, et al (1998).** Diagnosis and management of rhinitis: complete guidelines of the Joint Task Force on Practice Parameters in Allergy, Asthma and Immunology. *Ann Allergy Asthma Immunol*, 81:478–518.
- **Dykewicz, MS, Daniel L and Hamilos (2010).** Rhinitis and sinusitis.
- **Eccles R (1978).** The central rhythm of the nasal cycle. *Acta Otolaryngol*; 86:464-8.
- **Eccles R (1982).** Neurological and pharmacological considerations. In: Proctor DF, Andersen I, editors. *The nose: upper airway physiology and the atmospheric environment*. Amsterdam: Elsevier Biomedical Press; p. 191-214.
- **Ellis A and Keith P (2006).** Nonallergic rhinitis with eosinophilia syndrome. *Curr Allergy Asthma Rep*; 6:215-20.
- **El-Shazly MA (1991).** Endoscopic surgery of the vidian nerve: preliminary report. *AmJ Otol Rhinol Laryngol*; 100:536-539.
- **Elsheikh MN and Badran HM (2006).** Dysautonomia rhinitis; associated otolaryngologic manifestations and characterization based on autonomic function tests. *Acta Oto-Laryngologica*;126: 1206-1212.
- **Evans MJ and Plopper GG (1988).** The role of basal cells in adhesion of columnar epithelium to airway basement membrane. *Am. Rev. Respir. Dis.* 138, p. 481.
- **Everett H (1964).** Sneezing in response to light. *Neurology*; 13:483-90.
- **Fajac I, Braunstein G, Ickovic MR, Lacronique J and Frossard N (1995).** Selective recruitment of eosinophils by substance P after repeated allergen exposure in allergic rhinitis. *Allergy*; 50:970-5.

- **Fang S-Y and Shen C-L (1998).** Neuropeptide innervation and neuroendocrine cells in allergic rhinitis and chronic hypertrophic rhinitis. *Clin Exp Allergy*; 28:228-32.
- **Fischer L, Auberson S, Bretton C and Lacroix J (1993).** Adrenergic and non-adrenergic vasoconstrictor mechanisms in the human nasal mucosa. *Rhinology*; 31:11-5.
- **Flak TA and Goldman WE (1996).** Autotoxicity of nitric oxide in airway disease. *Am J Respir Crit Care Med*; 154: 202- 6.
- **Flisberg K and Ingelstedt S (1962).** Vascular responses to feet cooling in normal and allergic nose. *Acta Otolaryngol*; 55:457-66.
- **Fokkens WJ, Vroom TM, Rijntjes E and Mulder PGH (1989).** CD1a(T6), HLA-DR-expressing cells, presumably langerhans cells, in nasal mucosa. *Allergy* 44, pp. 167–172.
- **forstermann U, Gath I, Schwarz P, Closs EI and Kleinert H (1995).** Isoforms of nitric oxide synthase_ properties, cellular distribution and expressional control. *Biochem Pharmacol*; 50: 1321-32.
- **Friedrich H (2008).** Effectiveness of twice daily azelastine nasal spray in patients with seasonal allergic rhinitis. *Therapeutics and Clinical Risk Management*:4(5) 1009–1022.
- **Fryer A, Costello R and Jacoby D (2000).** Muscarinic receptor dysfunction in asthma. *Allergy Clin Immunol Int*; 12:63-7.
- **Garay R (2004).** Mechanisms of vasomotor rhinitis. *Allergy*; 59: 4-10.

- **Giannessi F, Fattori B, Ursino F, Giambelluca MA, Soldani P, Scavuzzo MC, et al (2005).** Immunohistochemical localization of 3-nitrotyrosine in the nasal respiratory mucosa of patients with vasomotor rhinitis. *Acta Oto-Laryngologica*; 125: 65-71.
- **Giannessi F, Fattori B, Ursino F, Giambelluca MA, Soldani P, Scavuzzo MC, et al (2003).** Ultrastructural and ultracytochemical study of the human nasal respiratory epithelium in vasomotor rhinitis. *Acta Otolaryngol*; 123:943-9.
- **Golding-Wood PH (1973).** Vidian neurectomy: Its results and complications. *Laryngoscope*; 83:1673-1683.
- **Golding-Wood PH (1986).** Vidian neurectomy. In: English GM, editor. *Otolaryngology*. Philadelphia. PA: Harper and Row; p. 1- 27.
- **Greiner AN and Meltzer EO (2006).** Pharmacologic rationale for treating allergic and nonallergic rhinitis. *J Allergy Clin Immunol*; 118:985-96.
- **Gronberg H, Borum P and Mygind N (1983).** Nasal methacholine and histamine reactivity during a common cold. *Eur J Respir Dis*; 64(suppl 138):406-8.
- **Gross SS and Wolin MS (1995).** Nitric oxide: pathophysiological mechanisms. *Annu Rev Physiol*; 57: 737- 69.
- **Grossman J, Banov C, Boggs P, Bronsky EA, Dockhorn RJ, Druce H, et al (1995).** Use of ipratropium bromide nasal spray in chronic treatment of nonallergic perennial rhinitis, alone and in combination with other perennial rhinitis medications. *J Allergy Clin Immunol*; 95: 1123-7.

- **Guo FH, De Raeve HR, Rice TW, Stuehr DJ, Thunnissen FBJM and Erzurum SC (1995).** Continuous nitric oxide synthesis by inducible nitric oxide synthase in normal human airway epithelium in vivo. *Proc Natl Acad Sci U.S.A*; 92:7809-13.
- **Hadley JA (2003).** Vasomotor rhinitis remains a true clinical problem. *Arch Otolaryngol Head Neck Surg*; 129:587-8.
- **Halama AR, Decreton S, Bijloos JM and Clement PAR (1990).** Density of epithelial cells in the normal human nose and the paranasal sinus mucosa. A scanning electron microscopic study. *Rhinology* 28, pp. 25–32.
- **Hamasaki Y, Shafigh M, Yamamoto S, Sato R, Zaitu M, Muro E, et al (1996).** Inhibition of leukotriene synthesis by azelastine. *Ann Allergy Asthma Immunol*; 76:469-75.
- **Hicks W, Hall L, Sigurdson L, et al (1997).** Isolation and characterization of basal cells from human upper respiratory epithelium. *Exp Cell Res*; 237: 357-63.
- **Holzer P (1991).** Capsaicin: cellular targets, mechanisms of action, and selectivity for thin sensory neurons. *Pharmacol Rev*; 43:143-201.
- **Ichinose M, Nakajima N, Takahashi T, Yamauchi H, Inoue H and Takishima T (1992).** Protection against bradykinin-induced bronchoconstriction in asthmatic patients by neurokinin receptor antagonist. *Lancet*; 340:1248-51.
- **Ishii T (1970).** The cholinergic innervation of the human nasal mucosa. *Pract Otorhinolaryngol*; 32:153-8.
J Allergy Clin Immunol; 125:S103-15.

- **Jackson R and Rooker D (1971).** Stimulation and section of the vidian nerve in relation to autonomic control of the nasal vasculature. *Laryngoscope*; 81:565-9.
- **Jahnke V (1978).** Electron microscopic study of the normal and allergic nasal mucosa. *Acta Otorhinolaryngol Belg*; 32:48-55.
- **Jaradeh S, Smith T, Torrico L, Prieto T, Loehrl T, Darling R, et al (2000).** Autonomic nervous system evaluation of patients with vasomotor rhinitis. *Laryngoscope*; 110:1828-31.
- **Kaiser HB, Findlay SR, Georgitis JW, Grossman J, Ratner PH, Tinkelman DG, et al (1995).** Long-term treatment of perennial allergic rhinitis with ipratropium bromide nasal spray 0.06%. *J Allergy Clin Immunol*; 95:1128-32.
- **Kaliner M (1992).** The physiology and pathophysiology of the parasympathetic nervous system in nasal disease: an overview. *J Allergy Clin Immunol*; 90:1044-5.
- **Kaliner M, Marom Z, Patow C and Shelhamer J(1984).** Human respiratory mucus. *J. Allergy. Clin. Immunol.* 73, pp. 318–323.
- **Kaminsky DA, Mitchell J, Carroll N, James A, Soultanakis R and Janssen Y (1999).** Nitrotyrosine formation in the airways and lung parenchyma of patients with asthma. *J Allergy Clin Immunol*; 104:747- 54.
- **Kang BH, Chen SS, Jou LS, Weng PK and Wang HW (2000).** Immunolocalization of inducible nitric oxide synthase and 3-nitrotyrosine in the nasal mucosa of patients with rhinitis. *Eur Arch Otorhinolaryngol*; 257: 242-6.

- **Kawamoto H, Takumida M, Takeno S, Watanabe H, Fukushima N and Yajin K (1998).** Localization of nitric oxide synthase in human nasal mucosa with nasal allergy. *Acta Otolaryngol Suppl (Stockh)*; 539: 65-70.
- **Kawarai M and Koss M (2001).** Sympathetic control of nasal blood flow in the rat mediated by alpha(1)-adrenoceptors. *Eur J Pharmacol*; 413:255-62.
- **Keuning J (1968).** On the nasal cycle. *Int Rhinol*; 6:98-136.
- **Kikawada T (2007).** Endoscopic posterior nasal neurectomy. *Operative Techniques in Otolaryngology*; 18: 297-301.
- **Kim KS, Kim SS, Yoon JH, et al (1998).** The effect of botulinum toxin type A injection for intrinsic rhinitis. *J Laryngol Otol*; 112:248 - 51.
- **Kim KT, Kerwin E, Landwehr L, Bernstein JA, Bruner D, Harris D, et al (2005).** Use of 0.06% ipratropium bromide nasal spray in children aged 2 to 5 years with rhinorrhea due to a common cold or allergies. *Ann Allergy Asthma Immunol*; 94:73-9.
- **Kirkegaard J, Mygind N, Molgaard F, Grahne B, Holopainen E, Malmberg H, et al (1987).** Ordinary and high-dose ipratropium in perennial nonallergic rhinitis. *J Allergy Clin Immunol*;79:585-90
- **Konno A and Togawa K (1979).** Role of the vidian nerve in nasal allergy. *Ann Otol*; 88:258-66.
- **Korsgren M, Erjefalt J, Hinterholz J, Fischer-Colbrie R, Emanuelsson C, Andersson M, et al (2003).** Neural expression and increased lavage fluid levels of secretoneurin in seasonal allergic rhinitis. *Am J Respir Crit Care Med*;167:1504-8.

- **Korsgren M, Fischer-Colbrie R, Andersson M, Coman WB, Mackay-Sim A, Persson CG, et al (2005).** Secretoneurin is released into human airways by topical histamine but not capsaicin. *Allergy*; 60:459-63.
- **Lau J and Long A (2003).** Chronic rhinitis: allergic or nonallergic. *American Family Physician*, 67:705–706
- **Laursen JB, Somers M, Kurz S, McCann L, Warnholtz A, Freeman BA, et al (2001).** Endothelial regulation of vasomotion in apoE-deficient mice: implications for interactions between peroxynitrite and tetrahydrobiopterin. *Circulation*; 103:1282-8.
- **Lee SH, Iwanaga T, Hoshi O, Adachi I and Fujita T (1995).** Nitric oxide synthase in rat nasal mucosa, immune-histochemical and histochemical localization. *Acta Otolaryngol*; 115: 823- 9.
- **Lewin G and Barde Y (1996).** Physiology of the neurotrophins. *Annu Rev Neurosci*; 19:289-317.
- **Liberman P, Kaliner MA and Wheeler WJ (2005).** Open-label evaluation of azelastine nasal spray in patients with seasonal allergic rhinitis and non allergic vasomotor rhinitis. *Curr Med Res Opin*, 21:611–8.
- **Lieberman PL and Settipane RA (2003).** Azelastine nasal spray: a review of pharmacology and clinical efficacy in allergic and nonallergic rhinitis. *Allergy Asthma Proc*, 24:95–105.
- **Lisney S and Bharali L (1989).** The axon reflex: an outdated idea or a valid hypothesis? *NIPS Proc*; 4:45-8.

- **Long A, McFadden C, DeVine D, et al (2002).** Management of Allergic and Nonallergic Rhinitis. Evidence report/technology assessment no. 54. Agency for Healthcare Research and Quality publication no. 02-E024. Rockville, MD: Agency for Healthcare Research and Quality. Also available at www.ahrq.gov/clinic/rhiniv.htm.
- **Low PA (1993).** Laboratory evaluation of autonomic failure. In: Low PA, editor. Clinical autonomic disorders: evaluation and management. Boston: Little Brown; p. 169-95.
- **Lumry W, Prenner B, Corren J, et al (2007).** Efficacy and safety of azelastine nasal spray at a dose of 1 spray per nostril twice daily. *Ann Allergy Asthma Immunol*, 99:267–72.
- **Lundblad L (1990).** Neuropeptides and autonomic nervous control of the respiratory mucosa, in: N. Mygind, U. Pipkorn, R. Dahl (Eds.), *Rhinitis and Asthma. Similarities and Differences*, Munksgaard, Copenhagen, pp. 65–75.
- **Lundblad L, Anggard A and Lundberg JM (1983).** Effects of antidromic trigeminal nerve stimulation in relation to parasympathetic vasodilation in cat nasal mucosa. *Acta Physiol Scand*; 119:7-13.
- **Lundblad L, Sipila P, Farstad T and Drozdiewicz D (2001).** Mometasone furoate nasal spray in the treatment of perennial non-allergic rhinitis: a nordic, multicenter, randomized, double-blind, placebo-controlled study. *Acta Otolaryngol*; 121:505-9.
- **Lung MA (1995).** The role of the autonomic nerves in the control of nasal circulation. *Biol Signals*; 4: 179- 85.

- **Malm L and Anggard A (1993).** Vasoconstrictors. In: Mygind N, Naclerio RM, editors. Allergic and non-allergic rhinitis: clinical aspects. Copenhagen: Munsgaard; p. 95-100.
- **Matsumoto T, Nakane M, Pollock JS, Kuk JE and Forstermann U (1993).** A correlation between soluble brain nitric oxide synthase and NADPH-diaphorase activity is only seen after exposure of the tissue to fixative. *Neurosci Lett*; 155: 61-4.
- **McDonald D, Mitchell R, Gabella G and Haskell A (1988).** Neurogenic inflammation in the rat trachea. II. Identity and distribution of nerves mediating the increase in vascular permeability. *J Neurocytol*; 17:605-28.
- **Meltzer EO (2002).** Nasal Crom Study Group. Efficacy and patient satisfaction with cromolyn sodium nasal solution in the treatment of seasonal allergic rhinitis: a placebo-controlled study. *Clinical Therapeutics*; 24:942-52.
- **Mikaelian AJ (1989).** Vasomotor rhinitis. *Ear Nose Throat J*; 68: 207- 18.
- **Moneret-Vautrin DA, Hsieh V, Wayoff M, Guyot JL, Mouton C and Maria Y (1990).** Nonallergic rhinitis with eosinophilia syndrome a precursor of the triad: nasal polyposis, intrinsic asthma, and intolerance to aspirin. *Ann Allergy*; 64:513-8.
- **Moore KA, Undem BJ and Weinreich D (2000).** Antigen inhalation unmasks NK-2 tachykinin receptor-mediated responses in vagal afferents. *Am J Respir Crit Care Med*; 161:232-6.

- **Mucha SM, deTineo M, Naclerio RM and Baroody FM (2006).** Comparison of montelukast and pseudoephedrine in the treatment of allergic rhinitis. *Arch Otolaryngol Head Neck Surg*; 132:164-72.
- **Myers AC, Undem BJ and Weinreich D (1991).** Influence of antigen on membrane properties of guinea pig bronchial ganglion neurons. *J Appl Physiol*; 71:970-6.
- **Mygind N and Dahl R (1998).** Anatomy, physiology and function of the nasal cavities in health and disease. *Advanced Drug Delivery Reviews*.29: 3–12.
- **Mygind N and Thomsen J (1976).** Diurnal variation of nasal protein concentration. *Acta Otolaryngol. (Stockholm)* 82, pp. 219–222.
- **Mygind N and Winther B (1979).** Light and scanning electron microscopy of the nasal mucosa. *Acta Otorhinolaryngol Belg*; 33:591-602.
- **Mygind N, Viner AS and Jackman N (1974).** Histology of nasal mucosa in normals and in patients with perennial rhinitis. A blind study of plastic embedded specimens. *Rhinology* 12, pp. 131–136.
- **Nakaya M, Yuasa T and Usui N (2002).** Immunohistochemical localization of subtypes of muscarinic receptors in human inferior turbinate mucosa. *Ann Otol Rhinol Laryngol*; 111:593-7.
- **Nathan CQ and Xie W (1994).** Nitric oxide synthases: roles, tolls and controls. *Cell*; 78:915- 8.
- **Nggard (1974).** Capillary and shunt blood flow in the nasal mucosa of the cat. *Acta Otolaryngol. (Stockh.)* 78, pp. 418–422.

- **Nockher W and Renz H (2006).** Neurotrophins and asthma: novel insight into neuroimmune interaction. *J Allergy Clin Immunol*; 117:67-71.
- **Nozawa I, Imamura S and Hisamatsu K (1996).** The relationship between orthostatic dysregulation and the orthostatic test in dizzy patients. *Eur Arch Otorhinolaryngol*; 253: 268-72.
- **Numata T, Konno A, Terada N, Hanazawa T, Nagata H and Tanikawa H (2000).** Role of vascular reflex in nasal mucosal swelling in nasal allergy. *Laryngoscope*; 110:297-302.
- **Okita W and Ichimura K (1998).** Contribution of nitric oxide and sensory transmitters to non-adrenergic, non-cholinergic innervation of nasal blood vessels. *Acta Otolaryngol Suppl*; 539:76-8.
Operative Techniques in Otolaryngology; 17: 174-177
- **Ozcan C, Vayisoglu Y and Dogu O (2006).** The effect of intranasal injection of botulinum toxin A on the symptoms of vasomotor rhinitis.
- **Pappas DG Jr (2003).** Autonomic related vertigo. *Laryngoscope*; 113: 1658-71.
- **Pappas DG Jr, Jacob G and Biaggioni I (1999).** Idiopathic orthostatic intolerance and postural tachycardia syndromes. *Am J Med Sci*; 317: 88-101.
- **Philip G, Jankowski R, Baroody F, Naclerio R and Togias A (1993).** Reflex activation of nasal secretion by unilateral inhalation of cold dry air. *Am Rev Respir Dis*; 148:1616-22.
- **Prasanna A and Murthy PSN (1997).** Vasomotor rhinitis and sphenopalatine ganglion block. *J Pain Symptom Manage*, 13:332–338.

- **Purello-D'Ambrosio F, Isola S, Ricciardi L, Gangemi S, Barresi L and Bagnato GF (1999).** A controlled study on the effectiveness of loratadine in combination with flunisolide in the treatment of nonallergic rhinitis with eosinophilia (NARES). Clin Exp Allergy; 29:1143-7.
- **Riccio M and Proud D (1996).** Evidence that enhanced nasal reactivity to bradykinin in patients with symptomatic allergy is mediated by neural reflexes. J Allergy Clin Immunol ; 97:1252-63.
- **Robinson SR and Wormald PJ (2006):** Endoscopic vidian neurectomy. Laryngoscope; 25:160-167.
- **Rucci R, Bocciolini C and Casucci A (2003).** Nasal polyposis: Microsurgical ethmoidectomy and interruption of autonomic innervation vs conventional surgery. Acta Otorhinolaryngol Ital; 23:26-32.
- **Ruffoli R, Fattori B, Giambelluca MA, Soldani P and Giannessi F (2000).** Ultracytochemical localization of the NADPH-d activity in the human nasal respiratory mucosa in vasomotor rhinitis. Laryngoscope; 110: 1361- 5.
- **Ruffoli R, Ursino F, Fattori B, Scavuzzo MC, Paparelli A, Gesi M, et al (2003).** Distribution of 3-nitrotyrosine in the nasal polyps of atopic patients. Laryngoscope; 123.
- **Sadeghi-Hashjin G, Folkerts G, Henricks PA, et al (1996).** Peroxynitrite induces airway hyperresponsiveness in guinea pigs in vitro and in vivo. Am J Crit Care Med; 153: 1697-701.

- **Saleh D, Ernst P, Lim S, Barnes PJ and Giaid A (1998).** Increased formation of the potent oxidant peroxynitrite in the airways of asthmatic patients is associated with induction of nitric oxide synthase: effect of inhaled glucocorticoid. *FASEB J*; 12:929- 37.
- **Sanico AM, Philip G, Lai G and Togias A (1999).** Hyperosmolar saline induces reflex nasal secretions, evincing neural hyperresponsiveness in allergic rhinitis. *J Appl Physiol*; 86:1202-10.
- **Sanico AM, Stanis A, Gleeson TD, Bora S, Proud D, Bienenstock J, et al (2000).** Nerve growth factor expression and release in allergic inflammatory disease of the upper airways. *Am J Respir Crit Care Med*; 161:1631-5.
- **Sanya EO, Brown CM, Wilmowsky C, Neundorfer B and Hilz MJ (2005).** Impairment of parasympathetic baroreflex responses in migraine patients. *Acta Neurol Scand*; 111: 102-7.
- **Sarin S, Udem B, Sanico A and Togias A (2006).** The role of the nervous system in rhinitis. *J Allergy Clin Immunol*; 118:999-1014.
- **Sawada T, Nishimura T, Saki M and Nagatsu I (1998).** Immunohistochemical examination of NOS and SOD in nasal mucosa. *Acta Otolaryngol Suppl (Stockh)*; 539: 83- 6.
- **Schantz EJ and Johnson EA (1992).** Properties and uses of botulinum toxin and other microbial neurotoxins in medicine. *Microbiol Rev*; 56:80 - 99.
- **Schatz M and Zeiger RS (1980).** Chronic rhinitis: a therapeutic challenge. *Consultant*; 22:61.
- **Settipane RA and Lieberman P (2001):** Update on non-allergic rhinitis. *Ann Allergy Asthma Immunol*, 86:494–507.

- **Shirasaki H, Kanaizumi E, Watanabe K, Konno N, Sato J, Asakura K, et al (2004).** Expression of neurokinin A receptor mRNA in human nasal mucosa. *Acta Otolaryngol; (suppl) :85-9.*
- **Smith TL (2003).** Vasomotor rhinitis is not a wastebasket diagnosis. *Arch Otolaryngol Head Neck Surg; 129: 584-7.*
- **Sood GC, Krishnamurthy G and Majumdar NK (1976).** Unilateral blindness following vidian neurectomy. *J Laryngol Otol; 90:311-312.*
- **Szabo C (2003).** Multiple pathways of peroxynitrite cytotoxicity. *Toxicol Lett; 140:105- 12.*
- **Tai C and Baraniuk J (2002).** Upper airway neurogenic mechanisms. *Curr Opin Allergy Clin Immunol; 2:11-9.*
- **Talbot AR, Herr TM and Parsons DS (1997).** Mucociliary clearance and buffered hypertonic saline solution. *Laryngoscope; 107:500-3.*
- **Taylor-Clark T, Kollarik M, Mac-Glashan D and Undem B (2005).** Nasal sensory nerve populations responding to histamine and capsaicin. *J Allergy Clin Immunol; 116:1282-8.*
- **Togias A (1990).** Age relationships and clinical features of nonallergic rhinitis. *J Allergy Clin Immunol; 85:182.*
- **Togias A (1993).** Non-allergic rhinitis. In: Mygind N, Naclerio RM, editors. *Allergic and nonallergic rhinitis: clinical aspects.* Copenhagen: Munksgaard;. p. 159-66.
- **Togias A, Lichtenstein L, Norman P, Bascom R, Proud D, Kagey-Sobotka A, et al (1988).** The relationship between atopy and the response to cold dry air (CDA) and histamine (H) challenge in perennial rhinitis (PR) [abstract]. *J Allergy Clin Immunol; 81: 283.*

- **Togias A, Proud D, Kagey-Sobotka A, Norman P, Lichtenstein L and Naclerio R (1987).** The effect of a topical tricyclic antihistamine on the response of the nasal mucosa to challenge with cold, dry air and histamine. *J Allergy Clin Immunol*; 79:599-604.
- **Tomooka LT, Murphy C and Davidson TM (2000).** Clinical study and literature review of nasal irrigation. *Laryngoscope*; 110:1189-93.
- **Tos M (1983).** Distribution of mucus producing elements in the respiratory tract. Differences between upper and lower airways. *Eur. J. Respir. Dis.* 64 Suppl. 128, pp. 269–279.
- **Tsan MF (1997).** Superoxide dismutase and pulmonary oxygen toxicity. *Proc Soc Exp Biol Med*; 214:107-13.
- **Uddman R, Änggård A and Widdicombe JG (1987).** Nerves and neurotransmitters in the nose, in: N. Mygind, U. Pipkorn (Eds.), *Allergic and Vasomotor Rhinitis. Pathophysiological aspects*, Munksgaard, Copenhagen, pp. 50–62.
- **Uddman R, Malm L, Fahrenkrug J and Sundler F (1981).** VIP increases in nasal blood during stimulation of the vidian nerve. *Acta Otolaryngol*; 91:135-8.
- **Undem B, Kajekar R, Hunter D and Myers A (2000).** Neural integration and allergic disease. *J Allergy Clin Immunol*; 106(suppl):S213-20.
- **Undem BJ, Hubbard W and Weinreich D (1993).** Immunologically induced neuromodulation of guinea pig nodose ganglion neurons. *J Auton Nerv Syst*; 44:35-44.
- **van Rijswijk JB, Blom HM and Fokkens WJ (2005).** Idiopathic rhinitis, the ongoing quest. *Allergy*; 60:1471-81.

- **Van Rijswijk JB, Boeke EL, Keizer JM, Mulder PG, Blom HM and Fokkens WJ (2003).** Intranasal capsaicin reduces nasal hyperreactivity in idiopathic rhinitis: a double-blind randomized application regimen study. *Allergy*; 58:754-61.
- **Wallois F, Gros F, Masmoudi K and Larnicol N (1995).** C-Fos-like immunoreactivity in the cat brainstem evoked by sneeze-inducing air puff stimulation of the nasal mucosa. *Brain Res*; 687:143-54.
- **Wallois F, Macron J, Jounieaux V and Duron B (1991).** Trigeminal afferences implied in the triggering or inhibition of sneezing in cats. *Neurosci Lett*; 122:145-7.
- **Wang M and Lung M (2003).** Adrenergic mechanisms in canine nasal venous systems. *Br J Pharmacol*; 138:145-55.
- **Watkins DN, Lewis RH, Basclain KA, Garlepp MJ and Thompson PJ (1998).** Expression and localization of the inducible isoform of nitric oxide synthase in nasal polyp epithelium. *Clin Exp Allergy*; 28: 211-9.
- **Watkins DN, Peroni DJ, Basclain KA, Garlepp MJ and Thompson PJ (1997).** Expression and activity of nitric oxide synthases in human airway epithelium. *Am J Respir Cell Mol Biol*; 16: 629- 39.
- **Wess J (1993).** Molecular basis of muscarinic acetylcholine receptor function. *Trends Pharmacol Sci*; 14:308-13.
- **Widdicombe J (1997).** Microvascular anatomy of the nose, *Allergy*.
- **Wieling W (1988).** Standing, orthostatic stress and autonomic function. In: Bannister R, editor. *Autonomic failure*, 2nd edn. Oxford: Oxford University Press; p. 308-20.

- **Winther B , Innes DJ , Mills SE , Mygind N, Zito D and Hayden FG (1987).** Lymphocyte subsets in normal airway mucosa of the human nose. Arch. Otolaryngol. 113 ,pp. 59–62.
- **Wolf G, Wurdig S and Schunzel G (1992).** Nitric oxide synthase in rat brain is predominantly located at neuronal endoplasmic reticulum: an electron microscopic demonstration of NADPH-diaphorase activity. Neurosci Lett; 147: 63- 6.
- **Wood CC, Fireman P, Grossman J, Wecker M and MacGregor T (1995).** Product characteristics and pharmacokinetics of intranasal ipratropium bromide. J Allergy Clin Immunol; 95:1111-6.
- **Wormald PJ and McDonough M (2003).** The bath-plug closure of anterior skull base cerebrospinal fluid leaks. Am J Rhinol; 17: 299-305.
- **Wormald PJ, Wee DT and van Hasselt CA (2000).** Endoscopic ligation of the sphenopalatine artery for refractory posterior epistaxis. Am J Rhinol; 14:261-264.
- **Yamagiwa M, Hilberg O, Pedersen O and Lundqvist G (1990).** Evaluation of the effect of localized skin cooling on nasal airway volume by acoustic rhinometry. Am Rev Respir Dis; 141:1050-4.