

References

- Amonoo-Kuofi K, Lund VJ, Andrews P, Howard DJ (2006).** The role of mitomycin C in surgery of the frontonasal recess: a prospective open pilot study. *Am J Rhinol.* Nov-Dec;20(6):591-4.
- Anand VK, Tabaee A, Kacker A, Newman JG, Huang C (2004).** The role of mitomycin C in preventing synechia and stenosis after endoscopic sinus surgery. *Am J Rhinol.* Sep-Oct;18(5):311-4.
- Antisdel JL, West-Denning JL, Sindwani R (2009).** Effect of microporous polysaccharide hemispheres (MPH) on bleeding after endoscopic sinus surgery: randomized controlled study. *Otolaryngol Head Neck Surg*141:353–7.
- Archer S (2003).** Functional endoscopic sinus surgery :Atlas Oral Maxillofacial SurgClin N Am 11 157–167.
- Banthia V, and Selesnick SH (2003).** Mitomycin-C in the postsurgical ear canal. *Otolaryngol Head Neck Surg.* Jun; 128(6):882-6.
- Baumann and Caversaccio M (2003).** Hemostasis in endoscopic sinus surgery using a specific gelatin–thrombin-based agent (FloSeal). *Rhinology* 41:244–9.
- Bayram M, Sirikci A, Bayazit YA(2001).**Important anatomic variations of thesinonasal anatomy in light of endoscopic surgery: a pictorial review: *EurRadiol* 11:1991-97.

- Bednarski KA and Kuhn FA (2009)** .Stents and drug-eluting stents. OtolaryngolClin NorthAm42:857–66.
- Berlucchi M, Castelnovo P, Vincenzi A, Morra B, Pasquini E (2009)**.Endoscopic outcomes of resorbable nasal packing after functional endoscopic sinus surgery: a multicenter prospective randomized controlled study.Eur Arch OtorhinolaryngolJun; 266(6):839-45.
- Bharangar S and Sharma SC (2001)**.Surgical treatment for chronic sinusitis whether functional endoscopic sinus surgery has established itself ?. Ind JOtorhinolaryngol Head Neck Surg Apr-Jun; 53(2):160-4.
- Bolger WE, Kuhn FA, Kennedy DW (1999)**. Middle turbinate stabilization after functionalendoscopic sinus surgery: the controlled synechia technique. Laryngoscope109:1852–3.
- Braun H and Stammberger H(2003)**.Pneumatization of turbinates. Laryngoscope ;113:668-72.
- Bublik M, Herman B,Younis R (2009)**.Functional endoscopic sinus surgery .Operative Techniques in Otolaryngology-Head and Neck Surgery20; 3: 167-71.
- Bugten V, Nordgard S, Skogvoll E (2006)**. Effects of nonabsorbable packing in middle meatus after sinus surgery. Laryngoscope116:83–8.
- Bugten V, Nordgard S, Steinsvag S (2006)**. The effects of debridement after endoscopicsinus surgery. Laryngoscope116:2037–43.
- Bunzen DL, Campos A, Leao FS, Morais A, Sperandio F, Caldas Neto S (2006)**. Efficacy of functional endoscopic sinus surgery for symptoms in

chronic rhinosinusitis with or without polyposis. *Braz J Otorhinolaryngol* Mar-Apr; 72(2):242-6.

Casiano RR (2001) .A stepwise surgical technique using the medial orbital floor as the key landmark in performing endoscopic sinus surgery. *Laryngoscope* 111:964-974.

Casiano RR (2002). Surgical instrumentation, setup, and patient positioning. In: *Endoscopic sinus surgery dissection manual; A stepwise, anatomically based approach to endoscopic sinus surgery*. Chapter 2, New York: Marcel Dekker, Inc., 9-17.

Catalano PJ and Roffman EJ (2003). Evaluation of middle meatal stenting after minimally invasive sinus techniques (MIST). *Otolaryngol Head Neck Surg*;128:875-81.

Chan KO, Gervais M, Tsaparas Y (2006). Effectiveness of intraoperative mitomycin C in maintaining the patency of a frontal sinusotomy: a preliminary report of a double-blind randomized placebo-controlled trial. *Am J Rhinol*;20:295-9.

Chandra RK, Conley DB, Haines GK 3rd (2005). Long-term effects of FloSeal packing after endoscopic sinus surgery. *Am J Rhinol*19:240–3.

Chiu AG and Vaughan WC (2004). Management of the lateral frontal sinus lesion and the supraorbital cell mucocele. *Am J Rhinol*18(2):83–6.

Chu E, Harold LJ, Tiedemann D, Coupar MS (2010). Chemotherapeutic and biological drugs. In: *Physician's cancer chemotherapy drug manual*.

Chapter 2, Editors: Chu E, and DeVita VT, USA: Jones and Bartlett Publishers, LLC, 7-387.

Chung JH, Cosenza MJ, Rahbar R, Metson RB (2002). Mitomycin C for the prevention of adhesion formation after endoscopic sinus surgery: A randomized, controlled study. *Otolaryngol Head Neck Surg*;126:468-74.

Clemente MP (2005). Surgical anatomy of the paranasal sinuses. In: *Sinus Surgery Endoscopic and Microscopic approaches*. Chapter 1, Editors: Levine HL, and Clemente MP, New York and Stuttgart: Thieme, 51-5.

Cooper MR (2001). Basis for current major therapies for cancer. In: *Clinical oncology*. Volume 1, Chapter 8, Editors: Lenhard RE, Osteen RT, Gansler TS, USA: Wiley-Blackwell, 175-215.

Darzi MA and Chowdri NA (1992). Evaluation of various methods of treating keloids and hypertrophic scars: a 10-year follow up study. *Br J Plast Surg* 45:374–379

De Groot AC, Adrian PM, Meijden VD, Conemans JM, Miabach HI (1992). Frequency and nature of cutaneous reactions to intravesical instillation of mitomycin for superficial bladder cancer. *Suppl urol* Jul 40(1): 16-20.

Eliashar R, Eliachar I, Esclamado R, Gramlich T, Srome M (1999). Can topical MMC prevent laryngotracheal stenosis. *Laryngoscope* 109:1594-600.

Freeman SR, Sivayoham ES, Jepson K (2008). A preliminary randomised controlled trial evaluating the efficacy of saline douching following endoscopic sinus surgery. *ClinOtolaryngol*33:462–5.

Friedman M, Bliznikas D, Vidyasagar R, Landsperg R (2004). Operative techniques in otolaryngology-Head and neck surgery, 15,1 (MAR): 23-31

Friedman M and Landsberg R (2001). Frontal sinus surgery: Endoscopic technique. *Op Tech Otolaryngol Head Neck Surg* 12:60-65.

Friedman M, Landsberg R, Tanyeri H (2000). Middle turbinate medialization and preservation in endoscopic sinus surgery. *Otolaryngol Head Neck Surg* 123:76–80

Gall RM, Witterick IJ, Shargill NS (2002). Control of bleeding in endoscopic sinus surgery: use of a novel gelatin-based hemostatic agent. *J Otolaryngol*31: 271–4.

García J and Massegur H (2010). Principles of functional endoscopic sinus surgery. In: *European Manual of Medicine: Otorhinolaryngology, Head and Neck Surgery. Part 2, Chapter 17*, Editors: Anniko M, Bernal-Sprekelsen M, Bonkowsky V, Bradley P, Lurato S, Berlin Heidelberg: Springer, 260 -3.

Gray S, Tritle N, Li W (2003). The effect of mitomycin on extracellular matrix proteins in a rat wound model. *Laryngoscope* 113(2):237-42. (Grade A).

- Gupta M, and Motwani G (2006).** Role of mitomycin C in reducing adhesion formation following endoscopic sinus surgery. *JLO*; 120:921-3.
- Herndon M, McMains K, Kountakis S (2007).** Presentation and management of extensive fronto-orbital-ethmoid mucoceles. *Am J Otol* 28(3):145–7.
- Hessler JL, Piccirillo JF, Fang D (2007).** Clinical outcomes of chronic rhinosinusitis in response to medical therapy: results of a prospective study. *Am J Rhinol*; 21:10–18.
- Hu D, Sires BS, Tong DC (2000).** Effect of brief exposure to mitomycin C on cultured human nasal mucosa fibroblasts. *Ophthalmol Plast Reconstr Surg*; 16:119-25.
- Huang CM, Meyer DR, Patrinely JR (2003).** Medial rectus muscle injuries associated with functional endoscopic sinus surgery: characterization and management. *Ophthalmol Plast Reconstr Surg* 19(1):25–37.
- Hueman EM and Simpson CB (2005).** Airway complications from topical mitomycin C. *Otolaryngol Head Neck Surg*. Dec 133(6):831-5.
- Ingrams DR, Volk MS, Biesman BS, Pankratov MM, Shapshay SM (1998).** Sinus surgery: does mitomycin C reduce stenosis? *Laryngoscope*. Jun; 108(6):883-6.
- Kanowitz SJ, Jacobs JB, Lebowitz RA (2007).** Endoscopic middle meatal antrostomy and ethmoidectomy. In: *Rhinologic and Sleep Apnea Surgical Techniques*. Chapter 6, Editors: Kountakis SE, and Önerci M, Berlin Heidelberg and New York: Springer, 63-9.

- Kao SCS, Liao CL, Tseng JHS (1996).** Dacryocystorhinostomy with intraoperative mitomycin C. *Ophthalmology* 104:86-91.
- Kennedy DW, Bolger WE, Zinreich SJ (2001).** Functional endoscopic sinus surgery: concepts, surgical indications and instrumentation. In: *Diseases of the sinuses: diagnosis and management* London: BC Decker Inc. 16, 179-210.
- Kennedy DW and Thaler ER (2008).** Endoscopic sinus surgery. In: *Rhinosinusitis: A guide for diagnosis and management*. New York: Springer, 96-99.
- Keros P (1980).** Über die praktische Bedeutung der Niveau-Unterschiede der lamina cribrosa des Ethmoides. In: Naumann HH, editor. *Head and neck surgery*, vol. 1. Face and facial skull. Philadelphia: WB Saunders: 392.
- Kevin C. Welch and James A. Stankiewicz (2009).** A Contemporary Review of Endoscopic Sinus Surgery: Techniques, Tools, and Outcomes. *Laryngoscope* 119:2258–68.
- Khaw PT, Doyle JW, Sherwood MB (1993).** Prolonged localized tissue effects from 5-minute exposures to fluorouracil and mitomycin C. *Arch Ophthalmol*; 111:263-7.
- Kim HU, Kim SS, Kang SS, Chung IH, Lee JG, Yoon JH (2001).** Surgical anatomy of the natural ostium of the sphenoid sinus. *Laryngoscope*; 111:1599–1602.

Kim HY, Dhong H-J, Min J-Y, Jung YG, Park SH, Chung S-K (2009). Postoperative maxillary sinus mucocele: risk factors for restenosis after surgery and preventive effects of mitomycin-C. *Rhinol* 47:79-84.

Kim ST, Gang IG, Cha HE, Ha JS, Chung YS (2006). Effect of mitomycin C on the size of antrostomy after endoscopic sinus surgery. *Ann Otol Rhinol Laryngol* Sep; 115(9):673-8.

Konstantinidis I, Tsakiropoulou E, Vital I, Triaridis S, Constantinidis J (2008). Intra- and postoperative application of Mitomycin C in the middle meatus reduces adhesions and antrostomy stenosis after FESS. *Rhinology*. Jun;46(2):107-11.

Lee HY, Kim CH, Kim JY (2006) . Surgical anatomy of the middle turbinate. *Clin Anat*;19:493-6.

Lee JY and Byun JY (2008). Relationship between the frequency of postoperative debridement and patient discomfort, healing period, surgical outcomes, and compliance after endoscopic sinus surgery. *Laryngoscope* 118:1868–72.

Lee JY and Lee SW (2007). Preventing lateral synechia formation after endoscopic sinus surgery with a silastic sheet. *Arch Otolaryngol Head Neck Surg*;133:776–9.

Lee WC, Ming Ku PK, van Hasselt CA (2000). New guidelines for endoscopic localization of the anterior ethmoidal artery: A cadaveric study. *Laryngoscope* 110:1173-1178.

- Levine HL and Clemente MP (2005).** Surgical approaches: Endonasal endoscopic. In: Sinus Surgery Endoscopic and Microscopic approaches. Chapter 10 New York and Stuttgart: Thieme, 150.
- Lin YL, Lin YS, Su WF (2006).** A secondary middle turbinate co-existing with an accessory middle turbinate: an unusual combination of two anatomic variations. *Acta Otolaryngol* ;126:429-31.
- Malki D and Quine SM (1999).** Nasal splints, revisited. *J Laryngol*
- Marco C, Urs B, Mudryc A (2011).** Historical review of Haller's cells *Annals of Anatomy*; 193:185–190.
- Meetze K, Palmer JN, Schlosser RJ (2004).** Frontal sinus complications after frontal craniotomy. *Laryngoscope* 114(5):945–8.
- Meyer TK, Kocak M, Smith MM, Smith TL (2003).** Coronal computed tomography analysis of frontal cells. *Am J Rhinol*;17:163–168.
- Moukarzel N, Nehme A, Mansour S (2000).** Middle turbinate medialization technique in functional endoscopic sinus surgery. *J Otolaryngol* 29:144–147
- Musy PY and Kountakis SE (2004).** Anatomic Findings in Patients Undergoing Revision Endoscopic Sinus Surgery *Am J Otolaryngol* 25:418-422 .
- Mynatt RG and Sindwani R (2009).** Surgical anatomy of the paranasal sinuses. In: *Rhinology and Facial Plastic Surgery*. Chapter 2, Editors: Stucker FJ, Souza CD, Kenyon GS, Lian TS, Draf W, Schick B, Dordrecht Heidelberg, London and New York: Springer, 16-31.

Orlandi RR and Knight J (2009). Prolonged stenting of the frontal sinus. Laryngoscope 119:190–2.

Orlandi RR and Lanza DC (2004). Is nasal packing necessary following endoscopic sinus surgery? Laryngoscope 114:1541–4.

Otol 113(8):725–727.

Park SW, Koo BS, Park YH, Jin YD, Rha KS (2006). Effect of topical mitomycin C for antrostomy in rabbit with sinusitis. Eur Arch Otorhinolaryngol. Oct;263(10):917-23.

Patel ZM and Govindaraj S (2010). The Prevention and Management of Complications in Ethmoid Sinus Surgery. Otolaryngol Clin N Am 43 855–864.

Paz MM, Das TA, Tomasz M (1999). Mitomycin C linked to DNA minor groove binding agents: synthesis, reductive activation, DNA binding and cross-linking properties and in vitro antitumor activity. Bio org Med Chem. Dec;7(12):2713-26.

Pinto JM, Elwany S, Baroody FM (2006). Effects of saline sprays on symptoms after endoscopic sinus surgery. Am J Rhinol 20:191–6.

Pletcher SD and Metson R (2007). Endoscopic ligation of the anterior ethmoid artery. Laryngoscope 117:378–81.

Polavarm R, Devaiah AK, Sakai O (2004). Anatomic variants and pearls functional endoscopic sinus surgery; Otolaryngol Clin N Am: 37: 221–242.

Rahal A, Péloquin L, Ahmarani C (2001). Mitomycin C in sinus surgery: preliminary results in a rabbit model. *J Otolaryngol.* Feb;30(1):1-5.

Ramadan HH (1999). Surgical causes of failure in endoscopic sinus surgery. *Laryngoscope*;109:27–9.

Rice DH and Schaefer SD (2004). Anatomy of the paranasal sinuses. In: *Endoscopic paranasal sinus surgery.* 3rd edition, Chapter 1, Philadelphia: Lippincott Williams & Wilkins, 26-33.

Rider JR (2008). Mitomycine. In: *Xpharm The comprehensive pharmacology reference.* Editors: Enna SJ, and Bylund DB, Oct (Epub).

Sargi ZB and Casiano RR (2007). Surgical anatomy of the paranasal sinuses. In: *Rhinologic and Sleep Apnea Surgical Techniques.* Chapter 2, Editors: Kountakis SE, and Önerci M, Berlin Heidelberg and New York: Springer, 19-20.

Sarna A, Hayman A, Laine F (2002). Coronal imaging of the ostiomeatal unit: anatomy of 24 variants. *J Computer Assisted Tomogr* 26(1):153-157.

Scadding GK and Lund VJ (2004). Examination. In: *Investigative rhinology.* Chapter 4, London and New York: Taylor and Francis, 34.

Schlosser RJ, Zachmann G, Harrison S, Gross CW (2002). The endoscopic modified Lothrop: long-term follow-up on 44 patients. *Am J Rhinol* 16:103–108.

- Shrime MG, Tabaee A, Hsu AK (2007).** Synechia formation after endoscopic sinus surgery and middle turbinate medialization with and without FloSeal. *Am J Rhinol* 21:174–9.
- Simmen DB, Raghavan U, Briner HR (2006).** The anatomy of the sphenopalatine artery for the endoscopic sinus surgeon. *Am J Rhinol* ;20:502–505.
- Singh G, Wilson MR, Foster CS (1988).** Mitomycin eye drops as treatment for pterygium. *Ophthalmology* ;95:813-21.
- Singh T, Lade H, Natesh V (2011).** Role of Mitomycin-C in Prevention of Post Operative Adhesions After Endoscopic Sinus Surgery-A Prospective Study. *Indian J Otolaryngol Head Neck Surg* 63(3):249–254.
- Stammler H (1991) .** Functional endoscopic sinus surgery: the Messerklinger technique. Philadelphia: BC Decker.
- Stammler H and Hawke M (1993).** Essentials of functional endoscopic sinus surgery. Philadelphia: Mosby: 17.
- Stammler HR, Bolger WE, Clement PAR (1995).** Anatomic terminology and nomenclature in sinusitis. *Ann Otol Rhinol Laryngol*;104(Suppl 167):7–19.
- Stankiewicz JA and Chow JM (1999).** Two faces of orbital hematoma in intranasal (endoscopic) sinus surgery. *Otolaryngol Head Neck Surg* 120:841–7.
- Swanson P, Lanza D, Vining E (1995).** The effect of the middle turbinate resection upon the frontal sinus. *Am J Rhinol* 9:191–195.

Szczygielski K, Rapiejko P, Wojdas A (2010). Use of CMC foam sinus dressing in FESS. *Eur Arch Otorhinolaryngol* 267:537–40.

Tabaee A, Brown SM, Anand VK (2007). Mitomycin C and endoscopic sinus surgery: where are we?. *Curr Opin Otolaryngol Head Neck Surg* 15:40–43.

Tan BK and Chandra RK, (2010) . Postoperative Prevention and Treatment of Complications After Sinus Surgery .*Otolaryngol Clin N Am* 43:769–779.

Tichenor WS, Adinoff A, Smart B, Hamilos DL (2008). Nasal and sinus endoscopy for medical management of resistant rhinosinusitis, including postsurgical patients *J Allergy Clin Immunol* 121:917-27.

Timothy J, Gitta M, Simon J (2009). Imaging of the Paranasal Sinuses and Nasal Cavity: Normal Anatomy and Clinically Relevant Anatomical Variants. *Semin Ultrasound CT MRI* 30:2-16.

Unal M (2004). The successful management of congenital laryngeal web with endoscopic lysis and topical mitomycin-C. *Int JPediatr Otorhinolaryngol*. Feb 68(2):231-5.

Unal M, Gorur K, Ozcan C (2001). Ringer-lactate solution versus isotonic saline solution on mucociliary function after nasal septal surgery. *J Laryngol Otol* 115:796–7.

Valentine R, Wormald PJ, Sindwani R (2009). Advances in absorbable biomaterials and nasal packing. *Otolaryngol Clin North Am* 42:813–28.

Van Zele T, Claeys S, Gevaert P (2006). Differentiation of chronic sinus diseases by measurement of inflammatory mediators. *Allergy* 61:1280-9.

Venkatraman V, Balasubramanian D, Gopalakrishnan S (2011). Topical Mitomycin C in functional endoscopic sinus surgery. *Eur Arch Otorhinolaryngol* DOI 10.1007/s00405-011-1870-x.

Volpato M, Seargent J, Loadman PM, Phillips RM (2005). Formation of DNA interstrand cross-links as a marker of Mitomycin C bio-reductive activation and chemosensitivity. *Eur J Cancer*. Jun; 41(9):1331-8.

Weber R, Draf W, Kratzsch B, Hosemann W, Schaefer SD (2001). Modern concepts of frontal sinus surgery. *Laryngoscope*; 111:137–146.

Weber R, Mai R, Hosemann W (2000). The success of 6-month stenting in endonasal frontal sinus surgery. *Ear Nose Throat J* 79:930–2, 934, 937–8 passim.

Welch KC, Cohen MB, Doghramji LL (2009). Clinical correlation between irrigation bottle contamination and clinical outcomes in postfunctional endoscopic sinus surgery patients. *Am J Rhinol Allergy* 23:401–4.

Welch KC and Palmer JN (2008). Intraoperative emergencies during endoscopic sinus surgery: CSF leak and orbital hematoma. *Otolaryngol Clin North Am*; 41:581–596, ix–x.

Welch KC and Stankiewicz JA(2009). A contemporary review of endoscopic sinus surgery: Techniques, tools, and outcomes. *Laryngoscope*. 119:2258-2268.

Wormald PJ(2003). The agger nasi cell: the key to understanding the anatomy of the frontal recess. *Otolaryngol Head Neck Surg* 497-507.

Wormald PJ, Boustred RN, Le T (2006). A prospective single-blind randomized controlled study of use of hyaluronic acid nasal packs in patients after endoscopic sinus surgery. *Am J Rhinol* 20:7–10.

Wormald PJ, Cain T, Oates L (2004) . A comparative study of three methods of nasal irrigation. *Laryngoscope* 114:2224–7.

You YA and Fang CT (2001). Intraoperative mitomycin C in dacryocystorhinostomy. *Ophthalmol Plast Reconstr Surg*. Mar;17(2):115-9.

Zara M. Patel and Satish Govindaraj (2010). The Prevention and Management of Complications in Ethmoid Sinus Surgery. *Otolaryngol Clin N Am* 43 : 855–864.