

Daniel Monte Serrat Prevedello

Associate Professor, Department of Neurological Surgery;

Director, Minimally Invasive Cranial Surgery Program Ohio State University

He was born and raised in Curitiba, Brazil; now residing in Columbus, OH with his wife and two daughters where he is a practicing Neurosurgeon at the James and Wexner Medical Center at the Ohio State University.

He is an Associate Professor and the Director of the Minimally Invasive Cranial Surgery Program of the Neurological Surgery Department at OSU.

He graduated from Medical School in 2000 from Federal University of Parana, Curitiba, Brazil.

His residency in neurosurgery was completed at the Hospital Nossa Senhora das Gracas in Curitiba, Parana, Brazil in 1/2005.

He then completed his fellowship in Pituitary Surgery and Epilepsy at the University of Virginia in Charlottesville, Virginia, 2/2005 to 6/2006.

Dr. Prevedello then moved to the University of Pittsburgh School of Medicine where he completed a Clinical Fellowship in Cerebrovascular and Skull Base Surgery in Department of Neurological Surgery; Pittsburgh, Pennsylvania, 8/2006-6/2008. From 7/2008 to 3/2010 he was Assistant Professor at University of Pittsburgh. He became a staff member of the Ohio State University in July 2010.

Fellowships:

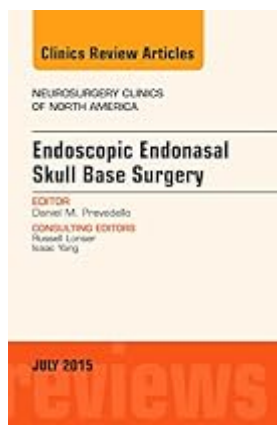
Fellowship in Pituitary Surgery, Neuroendocrinology and Epilepsy, University of Virginia, Charlottesville, VA, 2006

Fellowship in Skull Base and Cerebrovascular Surgery, University of Pittsburgh, Pennsylvania, PA, 2008 Clinical Interests:

Research Interests: Simulation in neurosurgery, minimally invasive approaches, neuro and skull base anatomy, innovation in technology for neurosurgery, novel therapies. Benign and malignant skull base and brain tumors.

Curriculum Vitae Board certified by Brazilian Society of Neurosurgery (SBN), and The World Federation of Neurological Societies (WFNS).

Books



First Author

Prevedello DM, Ebner FH, de Lara D, Ditzel Filho L, Otto BA, Carrau RL. Extracapsular dissection technique with the cotton swab for pituitary neuroendocrine tumors through an endoscopic endonasal approach – how I do it. *Acta Neurochir (Wien)*. 2013 Sep;155(9):1629-32. doi: 10.1007/s00701-013-1766-1. Epub 2013 Jun 22. PubMed PMID: 23793961.

Prevedello DM, Pinheiro-Neto CD, Fernandez-Miranda JC, Carrau RL, Snyderman CH, Gardner PA, Kassam AB. Vidian nerve transposition for endoscopic endonasal middle fossa approaches. *Neurosurgery*. 2010 Dec;67(2 Suppl Operative):478-84. doi: 10.1227/NEU.0b013e3181faaa70. PubMed PMID: 21099575.

Prevedello DM, Ditzel Filho LF, Solari D, Carrau RL, Kassam AB. Expanded endonasal approaches to middle cranial fossa and posterior fossa tumors. *Neurosurg Clin N Am*. 2010 Oct;21(4):621-35, vi. doi: 10.1016/j.nec.2010.07.003. Epub 2010 Aug 25. Review. PubMed PMID: 20947031.

Prevedello DM, Kassam AB, Gardner P, Zanation A, Snyderman CH, Carrau RL. “Q-tip” retractor in endoscopic cranial base surgery. *Neurosurgery*. 2010 Feb;66(2):363-6; discussion 366-7. doi: 10.1227/01.NEU.0000363703.05995.B8. PubMed PMID: 20087137.

Prevedello DM, Barges-Coll J, Fernandez-Miranda JC, Morera V, Jacobson D, Madhok R, dos Santos MC, Zanation A, Snyderman CH, Gardner P, Kassam AB, Carrau R. Middle turbinate flap for skull base reconstruction: cadaveric feasibility study. *Laryngoscope*. 2009 Nov;119(11):2094-8. doi: 10.1002/lary.20226. PubMed PMID: 19718761.

Prevedello DM, Pouratian N, Sherman J, Jane JA Jr, Vance ML, Lopes MB, Laws ER Jr. Management of Cushing's disease: outcome in patients with microadenoma detected on pituitary magnetic resonance imaging. *J Neurosurg*. 2008 Oct;109(4):751-9. doi: 10.3171/JNS/2008/109/10/0751. PubMed PMID: 18826366.

Prevedello DM, Kassam AB, Snyderman C, Carrau RL, Mintz AH, Thomas A, Gardner P, Horowitz M. Endoscopic cranial base surgery: ready for prime time? *Clin Neurosurg*. 2007;54:48-57. PubMed PMID: 18504896.

Prevedello DM, Kassam AB, Carrau RL, Snyderman CH, Thomas A, Gardner P, Mintz A, Vecchione L, Losee J. Transpalatal endoscopic endonasal resection of a giant epignathus skull base teratoma in a newborn. Case report. *J Neurosurg*. 2007 Sep;107(3 Suppl):266-71. PubMed PMID: 17918540.

Prevedello DM, Doglietto F, Jane JA Jr, Jagannathan J, Han J, Laws ER Jr. History of endoscopic skull base surgery: its evolution and current reality. *J Neurosurg*. 2007 Jul;107(1):206-13. PubMed PMID: 17639897.

Prevedello DM, Thomas A, Gardner P, Snyderman CH, Carrau RL, Kassam AB. Endoscopic endonasal resection of a synchronous pituitary neuroendocrine tumor and a tuberculum sellae meningioma: technical case report. *Neurosurgery*. 2007 Apr;60(4 Suppl 2):E401; discussion E401. PubMed PMID: 17415151.

Publications

1: Ditzel Filho LF, Prevedello DM, Dolci RL, Jamshidi AO, Kerr EE, Campbell R, Otto BA, Carrau RL. The Endoscopic Endonasal Approach for Removal of Petroclival Chondrosarcomas. *Neurosurg Clin N Am*. 2015 Jul;26(3):453-62. doi: 10.1016/j.nec.2015.03.008. Epub 2015 May 28. Review. PubMed PMID: 26141363.

2: Battaglia P, Turri-Zanoni M, Castelnuovo P, Prevedello DM, Carrau RL. Brain Herniation After Endoscopic Transnasal Resection of Anterior Skull Base Malignancies. *Neurosurgery*. 2015 Jun 24. [Epub ahead of print] PubMed PMID: 26110997.

3: Kassam A, Labib MA, Prevedello DM, Carrau R. In Reply: An Endoscopic Roadmap of the Internal Carotid Artery. *Neurosurgery*. 2015 Jul;77(1):E154-5. doi: 10.1227/NEU.0000000000000770. PubMed PMID: 25856115.

4: Carrau RL, Prevedello DM. In reference to "extended inferior turbinate flap for endoscopic reconstruction of skull base defects". *J Neurol Surg B Skull Base*. 2015 Mar;76(2):165-6. doi: 10.1055/s-0034-1394277. PubMed PMID: 25844302; PubMed Central PMCID: PMC4375044.

5: Little AS, Kelly D, Milligan J, Griffiths C, Prevedello DM, Carrau RL, Rosseau G, Barkhoudarian G, Otto BA, Jahnke H, Chaloner C, Jelinek KL, Chapple K, White WL. Predictors of sinonasal quality of life and nasal morbidity after fully endoscopic transsphenoidal surgery. *J Neurosurg*. 2015 Jun;122(6):1458-65. doi: 10.3171/2014.10.JNS141624. Epub 2015 Apr 3. PubMed PMID: 25839931.

6: de Lara D, Ditzel Filho LF, Prevedello DM, Carrau RL, Kasemsiri P, Otto BA, Kassam AB. Endonasal endoscopic approaches to the paramedian skull base. *World Neurosurg*. 2014 Dec;82(6 Suppl):S121-9. doi: 10.1016/j.wneu.2014.07.036. Review. PubMed PMID: 25496623.

7: Kasemsiri P, Carrau RL, Ditzel Filho LF, Prevedello DM, Otto BA, Old M, de Lara D, Kassam AB. Advantages and limitations of endoscopic endonasal approaches to the skull base. *World Neurosurg*. 2014 Dec;82(6 Suppl):S12-21. doi: 10.1016/j.wneu.2014.07.022. Review. PubMed PMID: 25496622.

8: Youssef A, Carrau RL, Tantawy A, Ibrahim AA, Prevedello DM, Otto BA, Solares AC, Ditzel Filho LF, Rompaey J. Clinical correlates of the anatomical relationships of the foramen ovale: a radioanatomical study. *J Neurol Surg B Skull Base*. 2014 Dec;75(6):427-34. doi: 10.1055/s-0034-1386654. Epub 2014 Aug 11. PubMed PMID: 25452902; PubMed Central PMCID: PMC4240760.

9: Dolci RL, Carrau RL, Buohliqah L, Zoli M, Mesquita Filho PM, Lazarini PR, Ditzel Filho LF, Prevedello DM. Endoscopic endonasal anatomical study of the cavernous sinus segment of the ophthalmic nerve. *Laryngoscope*. 2015 Jun;125(6):1284-90. doi: 10.1002/lary.25050. Epub 2014 Nov 25. PubMed PMID: 25425506.

- 10: Kerr EE, Prevedello DM, Jamshidi A, Ditzel Filho LF, Otto BA, Carrau RL. Immediate complications associated with high-flow cerebrospinal fluid egress during endoscopic endonasal skull base surgery. *Neurosurg Focus*. 2014;37(4):E3. doi: 10.3171/2014.7.FOCUS14294. PubMed PMID: 25270143.
- 11: Mesquita Filho PM, Ditzel Filho LF, Prevedello DM, Martinez CA, Fiore ME, Dolci RL, Otto BA, Carrau RL. Endoscopic endonasal surgical management of chondrosarcomas with cerebellopontine angle extension. *Neurosurg Focus*. 2014;37(4):E13. doi: 10.3171/2014.7.FOCUS14349. PubMed PMID: 25270132.
- 12: Oyama K, Prevedello DM, Ditzel Filho LF, Muto J, Gun R, Kerr EE, Otto BA, Carrau RL. Anatomic comparison of the endonasal and transpetrosal approaches for interpeduncular fossa access. *Neurosurg Focus*. 2014;37(4):E12. doi: 10.3171/2014.7.FOCUS14329. PubMed PMID: 25270131.
- 13: Prevedello DM, de Lara D, Ditzel Filho LF, Muto J, Otto BA, Carrau RL. Response. *Neurosurg Focus*. 2014 Aug;37(2):9. PubMed PMID: 25222980.
- 14: Azab WA, Prevedello DM, Carrau RL. Johannes Vermeer of Delft [1632-1675] and vision in neuroendoscopy. *Surg Neurol Int*. 2014 Aug 5;5:123. doi: 10.4103/2152-7806.138206. eCollection 2014. Review. PubMed PMID: 25140282; PubMed Central PMCID: PMC4135541.
- 15: Yuh SJ, Woulfe J, Corsten MJ, Carrau RL, Prevedello DM, Kassam AB. Diagnostic imaging dilemma of a clival lesion and its clinical management implications. *J Neurol Surg B Skull Base*. 2014 Jun;75(3):177-82. doi: 10.1055/s-0033-1363171. Epub 2014 Mar 3. PubMed PMID: 24967152; PubMed Central PMCID: PMC4067752.
- 16: Labib MA, Prevedello DM, Carrau R, Kerr EE, Naudy C, Abou Al-Shaar H, Corsten M, Kassam A. A road map to the internal carotid artery in expanded endoscopic endonasal approaches to the ventral cranial base. *Neurosurgery*. 2014 Sep;10 Suppl 3:448-71; discussion 471. doi: 10.1227/NEU.0000000000000362. PubMed PMID: 24717685.
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- 18: de Souza DG, Ditzel Filho LF, Makonnen G, Zoli M, Naudy C, Muto J, Prevedello DM. Retrosigmoid approach for resection of petrous apex meningioma. *Neurosurg Focus*. 2014 Jan;36(1 Suppl):1. doi: 10.3171/2014.V1.FOCUS13456. PubMed PMID: 24380515.
- 19: Stredney D, Rezai AR, Prevedello DM, Elder JB, Kerwin T, Hittle B, Wiet GJ. Translating the simulation of procedural drilling techniques for interactive neurosurgical training. *Neurosurgery*. 2013 Oct;73 Suppl 1:74-80. doi: 10.1227/NEU.0000000000000092. PubMed PMID: 24051887; PubMed Central PMCID: PMC4117341.
- 20: Ochalski P, Chivukula S, Shin S, Prevedello D, Engh J. Outcomes after endoscopic port surgery for spontaneous intracerebral hematomas. *J Neurol Surg A Cent Eur Neurosurg*. 2014 May;75(3):195-205; discussion 206. doi: 10.1055/s-0033-1348348. Epub 2013 Aug 9. PubMed PMID: 23934780.
- 21: Prevedello DM, Ebner FH, de Lara D, Ditzel Filho L, Otto BA, Carrau RL. Extracapsular dissection technique with the cotton swab for pituitary neuroendocrine tumors through an endoscopic endonasal approach – how I do it. *Acta Neurochir (Wien)*. 2013 Sep;155(9):1629-32. doi: 10.1007/s00701-013-1766-1. Epub 2013 Jun 22. PubMed PMID: 23793961.

- 22: Patil V, Lacson R, Vosburgh KG, Wong JM, Prevedello L, Andriole K, Mukundan S, Popp AJ, Khorasani R. Factors associated with external ventricular drain placement accuracy: data from an electronic health record repository. *Acta Neurochir (Wien)*. 2013 Sep;155(9):1773-9. doi: 10.1007/s00701-013-1769-y. Epub 2013 May 23. PubMed PMID: 23700258; PubMed Central PMCID: PMC3744605.
- 23: Little AS, Kelly D, Milligan J, Griffiths C, Rosseau G, Prevedello DM, Carrau R, Jahnke H, Chaloner C, O'Leary J, Chapple K, Nakaji P, White WL. Prospective validation of a patient-reported nasal quality-of-life tool for endonasal skull base surgery: The Anterior Skull Base Nasal Inventory-12. *J Neurosurg*. 2013 Oct;119(4):1068-74. doi: 10.3171/2013.3.JNS122032. Epub 2013 May 10. PubMed PMID: 23662829.
- 24: McLaughlin N, Carrau RL, Kelly DF, Prevedello DM, Kassam AB. Teamwork in skull base surgery: An avenue for improvement in patient care. *Surg Neurol Int*. 2013 Mar 25;4:36. doi: 10.4103/2152-7806.109527. Print 2013. PubMed PMID: 23607058; PubMed Central PMCID: PMC3622378.
- 25: Perez-Orribo L, Little AS, Lefevre RD, Reyes PR, Newcomb AG, Prevedello DM, Roldan H, Nakaji P, Dickman CA, Crawford NR. Biomechanical evaluation of the craniovertebral junction after anterior unilateral condylectomy: implications for endoscopic endonasal approaches to the cranial base. *Neurosurgery*. 2013 Jun;72(6):1021-29; discussion 1029-30. doi: 10.1227/NEU.0b013e31828d6231. PubMed PMID: 23442513.
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- 27: Benet A, Prevedello DM, Carrau RL, Rincon-Torroella J, Fernandez-Miranda JC, Prats-Galino A, Kassam AB. Comparative analysis of the transcranial "far lateral" and endoscopic endonasal "far medial" approaches: surgical anatomy and clinical illustration. *World Neurosurg*. 2014 Feb;81(2):385-96. doi: 10.1016/j.wneu.2013.01.091. Epub 2013 Jan 28. PubMed PMID: 23369939.
- 28: de Lara D, Ditzel Filho LF, Muto J, Prevedello DM. Endoscopic treatment of a third ventricle choroid plexus cyst. *Neurosurg Focus*. 2013 Jan;34(1 Suppl):Video 9. doi: 10.3171/2013.V1.FOCUS12332. PubMed PMID: 23282159.
- 29: de Lara D, Ditzel Filho LF, Muto J, Otto BA, Carrau RL, Prevedello DM. Surgical management of craniopharyngioma with third ventricle involvement. *Neurosurg Focus*. 2013 Jan;34(1 Suppl):Video 5. doi: 10.3171/2013.V1.FOCUS12330. PubMed PMID: 23282158.
- 30: Labib MA, Prevedello DM, Fernandez-Miranda JC, Sivakanthan S, Benet A, Morera V, Carrau R, Kassam A. The medial opticocarotid recess: an anatomic study of an endoscopic "key landmark" for the ventral cranial base. *Neurosurgery*. 2013 Mar;72(1 Suppl Operative):66-76; discussion 76. doi: 10.1227/NEU.0b013e318271f614. PubMed PMID: 23271222.
- 31: McLaughlin N, Kelly DF, Prevedello DM, Carrau RL, Kassam AB. Hemostasis management during completely endoscopic removal of a highly vascular intraparenchymal brain tumor: technique assessment. *J Neurol Surg A Cent Eur Neurosurg*. 2014 Jan;75(1):42-7. doi: 10.1055/s-0032-1325631. Epub 2012 Oct 12. PubMed PMID: 23065778.
- 32: Corsten M, Kassam A, Al-Mutairi D, Carrau R, Prevedello D. Reverse harvesting sequence of

nasoseptal flaps during endoscopic skull base surgery: technical modification to deal with the severe septal spur. *Laryngoscope*. 2013 Jan;123(1):73-5. doi: 10.1002/lary.23624. Epub 2012 Oct 8. PubMed PMID: 23044921.

33: de Lara D, Ditzel Filho LF, Prevedello DM, Otto BA, Carrau RL. Application of image guidance in pituitary surgery. *Surg Neurol Int*. 2012;3(Suppl 2):S73-8. doi: 10.4103/2152-7806.95418. Epub 2012 Apr 26. PubMed PMID: 22826819; PubMed Central PMCID: PMC3400488.

34: McLaughlin N, Prevedello DM, Engh J, Kelly DF, Kassam AB. Endoneurosurgical resection of intraventricular and intraparenchymal lesions using the port technique. *World Neurosurg*. 2013 Feb;79(2 Suppl):S18.e1-8. doi: 10.1016/j.wneu.2012.02.022. Epub 2012 Feb 10. Review. PubMed PMID: 22381841.

35: McLaughlin N, Bresson D, Ditzel Filho LF, Carrau RL, Kelly DF, Prevedello DM, Kassam AB. Vidian nerve neurofibroma removed via a transpterygoid approach. *Minim Invasive Neurosurg*. 2011 Oct;54(5-6):250-2. doi: 10.1055/s-0031-1283126. Epub 2012 Jan 25. PubMed PMID: 22278789.

36: Asadi-Moghaddam K, Otto BA, Carrau RL, Prevedello DM. Sublabial approach for symptomatic basilar impression. *Neurosurgery*. 2012 Apr;70(4):E1054-5. doi: 10.1227/NEU.0b013e31824869a5. PubMed PMID: 22227478.

37: Thirumala PD, Kassam AB, Habeych M, Wichman K, Chang YF, Gardner P, Prevedello D, Snyderman C, Carrau R, Crammond DJ, Balzer J. Somatosensory evoked potential monitoring during endoscopic endonasal approach to skull base surgery: analysis of observed changes. *Neurosurgery*. 2011 Sep;69(1 Suppl Operative):ons64-76; discussion ons76. doi: 10.1227/NEU.0b013e31821606e4. PubMed PMID: 21415780.

38: Fernandez-Miranda JC, Barges-Coll J, Prevedello DM, Engh J, Snyderman C, Carrau R, Gardner PA, Kassam AB. Animal model for endoscopic neurosurgical training: technical note. *Minim Invasive Neurosurg*. 2010 Oct;53(5-6):286-9. doi: 10.1055/s-0030-1269927. Epub 2011 Feb 7. PubMed PMID: 21302201.

39: Ochalski PG, Fernandez-Miranda JC, Prevedello DM, Pollack IF, Engh JA. Endoscopic port surgery for resection of lesions of the cerebellar peduncles: technical note. *Neurosurgery*. 2011 May;68(5):1444-50; discussion 1450-1. doi: 10.1227/NEU.0b013e31820b4f6a. PubMed PMID: 21273935.

40: McLaughlin N, Kassam AB, Prevedello DM, Kelly DF. Management of Cushing's disease after failed surgery—a review. *Can J Neurol Sci*. 2011 Jan;38(1):12-21. Review. PubMed PMID: 21156424.

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43: Engh JA, Lunsford LD, Amin DV, Ochalski PG, Fernandez-Miranda J, Prevedello DM, Kassam AB. Stereotactically guided endoscopic port surgery for intraventricular tumor and colloid cyst resection. *Neurosurgery*. 2010 Sep;67(3 Suppl Operative):ons198-204; discussion ons204-5. doi: 10.1227/01.NEU.0000382974.81828.F9. PubMed PMID: 20679929.

- 44: Barges-Coll J, Fernandez-Miranda JC, Prevedello DM, Gardner P, Morera V, Madhok R, Carrau RL, Snyderman CH, Rhoton AL Jr, Kassam AB. Avoiding injury to the abducens nerve during expanded endonasal endoscopic surgery: anatomic and clinical case studies. *Neurosurgery*. 2010 Jul;67(1):144-54; discussion 154. doi: 10.1227/01.NEU.0000370892.11284.EA. Review. PubMed PMID: 20559102.
- 45: Morera VA, Fernandez-Miranda JC, Prevedello DM, Madhok R, Barges-Coll J, Gardner P, Carrau R, Snyderman CH, Rhoton AL Jr, Kassam AB. "Far-medial" expanded endonasal approach to the inferior third of the clivus: the transcondylar and transjugular tubercle approaches. *Neurosurgery*. 2010 Jun;66(6 Suppl Operative):211-9; discussion 219-20. doi: 10.1227/01.NEU.0000369926.01891.5D. PubMed PMID: 20489508.
- 46: Bhatki AM, Carrau RL, Snyderman CH, Prevedello DM, Gardner PA, Kassam AB. Endonasal surgery of the ventral skull base—endoscopic transcranial surgery. *Oral Maxillofac Surg Clin North Am*. 2010 Feb;22(1):157-68. doi: 10.1016/j.coms.2009.10.005. PubMed PMID: 20159484.
- 47: Prevedello DM, Kassam AB, Gardner P, Zanation A, Snyderman CH, Carrau RL. "Q-tip" retractor in endoscopic cranial base surgery. *Neurosurgery*. 2010 Feb;66(2):363-6; discussion 366-7. doi: 10.1227/01.NEU.0000363703.05995.B8. PubMed PMID: 20087137.
- 48: Jane JA Jr, Prevedello DM, Alden TD, Laws ER Jr. The transsphenoidal resection of pediatric craniopharyngiomas: a case series. *J Neurosurg Pediatr*. 2010 Jan;5(1):49-60. doi: 10.3171/2009.7.PEDS09252. PubMed PMID: 20043736.
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- 50: Madhok R, Prevedello DM, Gardner P, Carrau RL, Snyderman CH, Kassam AB. Endoscopic endonasal resection of Rathke cleft cysts: clinical outcomes and surgical nuances. *J Neurosurg*. 2010 Jun;112(6):1333-9. doi: 10.3171/2009.10.JNS09348. PubMed PMID: 19929190.
- 51: Snyderman CH, Carrau RL, Prevedello DM, Gardner P, Kassam AB. Technologic innovations in neuroendoscopic surgery. *Otolaryngol Clin North Am*. 2009 Oct;42(5):883-90, x. doi: 10.1016/j.otc.2009.08.019. PubMed PMID: 19909866.
- 52: Prevedello DM, Barges-Coll J, Fernandez-Miranda JC, Morera V, Jacobson D, Madhok R, dos Santos MC, Zanation A, Snyderman CH, Gardner P, Kassam AB, Carrau R. Middle turbinate flap for skull base reconstruction: cadaveric feasibility study. *Laryngoscope*. 2009 Nov;119(11):2094-8. doi: 10.1002/lary.20226. PubMed PMID: 19718761.
- 53: Fernandez-Miranda JC, Prevedello DM, Gardner P, Carrau R, Snyderman CH, Kassam AB. Endonasal endoscopic pituitary surgery: is it a matter of fashion? *Acta Neurochir (Wien)*. 2010 Aug;152(8):1281-2; author reply 1282. doi: 10.1007/s00701-009-0487-y. Epub 2009 Aug 21. PubMed PMID: 19696960.
- 54: Fernandez-Miranda JC, Prevedello DM, Madhok R, Morera V, Barges-Coll J, Reineman K, Snyderman CH, Gardner P, Carrau R, Kassam AB. Sphenoid septations and their relationship with internal carotid arteries: anatomical and radiological study. *Laryngoscope*. 2009 Oct;119(10):1893-6. doi: 10.1002/lary.20623. PubMed PMID: 19655331.
- 55: Cavallo LM, Prevedello DM, Solari D, Gardner PA, Esposito F, Snyderman CH, Carrau RL, Kassam

AB, Cappabianca P. Extended endoscopic endonasal transsphenoidal approach for residual or recurrent craniopharyngiomas. *J Neurosurg.* 2009 Sep;111(3):578-89. doi: 10.3171/2009.2.JNS081026. PubMed PMID: 19326977.

56: Kassam AB, Prevedello DM, Carrau RL, Snyderman CH, Gardner P, Osawa S, Seker A, Rhoton AL Jr. The front door to meckel's cave: an anteromedial corridor via expanded endoscopic endonasal approach- technical considerations and clinical series. *Neurosurgery.* 2009 Mar;64(3 Suppl):ons71-82; discussion ons82-3. doi: 10.1227/01.NEU.0000335162.36862.54. PubMed PMID: 19240575.

57: Stippler M, Gardner PA, Snyderman CH, Carrau RL, Prevedello DM, Kassam AB. Endoscopic endonasal approach for clival chordomas. *Neurosurgery.* 2009 Feb;64(2):268-77; discussion 277-8. doi: 10.1227/01.NEU.0000338071.01241.E2. PubMed PMID: 19190456.

58: Kassam AB, Engh JA, Mintz AH, Prevedello DM. Completely endoscopic resection of intraparenchymal brain tumors. *J Neurosurg.* 2009 Jan;110(1):116-23. doi: 10.3171/2008.7.JNS08226. PubMed PMID: 18950265.

59: Kanaan HA, Gardner PA, Yeaney G, Prevedello DM, Monaco EA 3rd, Murdoch G, Pollack IF, Kassam AB. Expanded endoscopic endonasal resection of an olfactory schwannoma. *J Neurosurg Pediatr.* 2008 Oct;2(4):261-5. doi: 10.3171/PED.2008.2.10.261. PubMed PMID: 18831660.

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