

Curriculum Vitae

Douglas Duane Backous, M.D., F.A.C.S.
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Current Positions:

Otology, Neurotology and Skull Base Surgery Ear Nose Throat & Allergy Associates, Proliance Surgeons (Puyallup, Washington)	2017-present
President American Academy of Otolaryngology-Head and Neck Surgery Physician Payment Policy Committee (3P)	2023-present 2021-present
Examiner, American Board of Otolaryngology-Head and Neck Surgery	2022-present
Director, Proliance Surgeons, Board of Directors (Seattle, Washington)	2020-present
Director, Commercial Advisory Board, Hemideina, Ltd (Melbourne, AUS)	2021-present
Principal, 17Consulting, LLC (Edmonds, Washington)	2010-present
Director, Puget Sound Advanced Otology Fellowship	2014-present
Physician Payment Policy (3 P Committee) American Academy of Otolaryngology-Head and Neck Surgery	2021-present
Clinical Professor, Elson S. Floyd College of Medicine Washington State University	2022-present

Executive and Management Education

Leadership Program in Health Policy and Management Heller School for Social Policy and Management, Brandeis University	2021
Executive Development Program (Seattle, Washington) Foster School of Business, University of Washington	2011-12
Harvard School of Public Health (Boston, Massachusetts) Leadership Strategies for Evolving Health Care Executives Leadership Development for Physicians in Academic Health Centers	2009 2008
Lean Certification Program Virginia Mason Medical Center, Seattle, Washington	2008
39 th Shingijutsu Gemba Kaizen (Kaizen Certification, Toyota Production System) Shizoka, Japan	2002-03

Undergraduate and Medical Education

University of Washington School of Medicine, Seattle, WA Medical Doctor	1984-89
Seattle Pacific University, Seattle, WA. B.S. Biology, Magna Cum Laude, Alpha Kappa Sigma Honor Society	1980-84 1984
Internship and Residency, Otolaryngology – Head and Neck Surgery Baylor College of Medicine, Houston, Texas	1991-95

Basic Science Fellowship	
Vestibular and Oculomotor Neurophysiology (Laboratory of Lloyd B. Minor, MD)	1995-96
Johns Hopkins University School of Medicine, Baltimore, Maryland	
Clinical Neurotology Fellowship (Program Director: John K. Niparko, MD)	1996-97
Johns Hopkins University School of Medicine, Baltimore, Maryland	

Past Positions

Director-at-large: Private Practice, Board of Directors	2017-2021
American Academy of Otolaryngology-Head and Neck Surgery Foundation	
Board of Trustees, Seattle Pacific University	2011-2019
Seattle, Washington	
Chairman, Board of Trustees	2015-2019
Swedish Medical Center (Seattle, Washington)	
Director Center for Hearing and Skull Base Surgery	2010-2017
Leadership Council, Swedish Neuroscience Institute	2014-16
Physician Executive Council (Swedish Medical Group)	2012-14
Chairman, Strategy Committee	
Virginia Mason Medical Center (Seattle, Washington)	
Founder/Director, The Listen for Life Center at Virginia Mason	1997-2010
Medical Director, Regional Clinicians Program Corporate Business Development)	2004-10
Investment Committee, Virginia Mason Medical Center Board of Directors	2001-2010

Appointments

Association for the Advancement of Medical Instrumentation (AAMI)	2010-2017
FDA Committee on Cochlear Implant Standards and Reliability	
Course Director, 12 th Symposium on Cochlear Implants in Children	2009
Seattle, Washington (June 19-21, 2009)	
Examiner, American Board of Otolaryngology	2007, 2008, 2010, 2013
Neurotology Board Examiner	2008, 2010 2013

Professional Societies (Medical)

American Academy of Otolaryngology – Head & Neck Surgery (Fellow)
 American College of Surgeons (Fellow)
 American Laryngological, Rhinological, & Otological (Triological) Society (Fellow)
 American Neurotology Society (Fellow)
 American Otological Society (Fellow)
 British Cochlear Implant Group (Honorary Member)
 Christian Society of Otolaryngology - Head & Neck Surgeons
 North American Skull Base Society
 Otosclerosis Study Group

Board Certification

American Board of Otolaryngology, Neurotology Certification (55511)	2005
Re-certification (certified through 2025)	2014
American Board of Otolaryngology (55511)	1996

American Board of Medical Examiners (376947)	1990
Licensure	
State of Washington (#34718)	1997-present
Research Grants and Support	
NIH National Institute On Deafness and Other Communicative Disorders (R-13) 12 th Symposium on Cochlear Implants in Children	2009-10
Application of LEAN Methodology to the Cochlear Implant Value Stream Cochlear Corporation, Lane Cove, Australia	2007-08
Neurotology Fellow, NIH Research Training Center Grant Johns Hopkins University, Baltimore, MD	1996-97
The American Otological Society, Research Training Fellowship	1995-96
The American Laryngological, Rhinological and Otological Society Research Training Award	1995-96
Corporate Grant, Trace Athletic Company	1986
Medical Student Research Training Program University of Washington, Seattle, WA	1986
Honors and Awards	
Keynote Speaker, European Academy of Otology & Neurotology (EAONO) London, England	2021
A Health Policy Scholarship, American College of Surgeons and American Academy of Otolaryngology, Brandeis University, Boston, Massachusetts	2021
JLO Visiting Professor, Royal Society of Medicine London, England; Birmingham, England; Dunblane, Scotland	2011
American Academy of Otolaryngology-Head and Neck Surgery Distinguished Service Award	2009
Honor Award	2001
America's Best Doctors	2007-present
First place, Best Paper Competition 5 th Asia Pacific Symposium on Cochlear Implants and Related Sciences Hong Kong, Republic of China <i>Standardization of reliability reporting for cochlear implants: An interim report</i>	2005
American Academy of Otolaryngology – Head & Neck Surgery Association for Research in Otolaryngology Resident Research Award First Place – Basic Science Category <i>a-Difluoromethylornithine delays behavioral recovery and induces decompensation after unilateral labyrinthectomy</i>	1994
Western Student Medical Research Forum Meritorious Research Award <i>Assessment of pubertal maturity in boys, using height and grip strength</i>	1989
Medical Thesis Honors University of Washington School of Medicine <i>Soccer injuries and their relation to physical maturity</i>	1988

National Collegiate Athletic Association (NCAA) Post Graduate Scholarship, Seattle Pacific University	1984-85
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Editorial Responsibilities

Editorial Board, American Journal of Otolaryngology	2002-present
Editorial Board, Otolology & Neurotology	2009-present
Reviewer, Laryngoscope	2010-present
Reviewer, Otolaryngology-Head and neck Surgery	1994-present

Manuscripts in Journals

1. Lewis AT, Backous D, Choi BY, et al. Healthcare consumption among subjects with otitis media undergoing middle ear surgery-analysis of cost drivers. *Eur Arch Otorhinolaryngol* 2023 280(1):175-81.
2. Backous D, Choi BY, Jaramillo R, et al. Hearing rehabilitation of patients with chronic otitis media: A discussion of current state of knowledge and research priorities. *J Int Adv Otolology* 2022.
3. Prueter J, Norvell D, Backous D. Ki-67 index as a predictor of vestibular schwannoma re-growth or recurrence. *J Laryngol Otol* 2019;133(3):205-07.
4. Foster M, Backous DD. Clinical evaluation of patients with otosclerosis. *Otolaryngol Clin North Am* 2018 51(2):319-26.
5. Hillyer J, Buchanan PC, Elkins E, Watson SD, Cloutier F, Backous DD, Parbery-Clark A. Modification of osseointegrated device parameters to improve speech in noise and localization ability: Clinical recommendations. *Otol Neurotol* 2016;37(8): 1084-91.
6. Nguyen S, Cloutier F, Philippon D, Cote M, Bussieres R, Backous DD. Outcomes of modern hearing preservation technique in cochlear implant. *Auris Nasus Larynx* 2016;43(5):485-8
7. Backous DD. Cochlear implant placement: Round window approach. *Neurosurg Focus* 36(1 Suppl):1. doi: 10.3171/2014.V1.FOCUS13537.
8. Schwartz SR, Watson SD, Backous DD. Assessing candidacy for cochlear implants: A survey of practices in the United States and Canada. *Cochlear Implants Int* 2012;13(2):86-92.
9. Melton MF, Backous DD. Preventing complications in cochlear implantation. *Curr Opin Otolaryngol Head Neck Surg* 2011;19:358-362.
10. Hohman MH, Backous DD. Techniques for cochlear implant electrode placement in the ossified cochlea. *Operat Tech Otolaryngol* 2010;21:239-42.
11. Backous DD. Introduction: Reports from the 12th Symposium on cochlear implants in children. *Otol Neurotol* 2010;31(8):1179.
12. Battmer RD, Backous DD, Balkany T, et al. International classification of reliability for implanted cochlear implant receiver stimulators. *Otol & Neurotol* 2010;31(8):1190-93.
13. Vrabec JT, Backous DD, Djalilian HR, et al. Facial Nerve Grading System 2.0. *Otolaryngol Head Neck Surg* 2009;140(4): 445-50.
14. Backous DD, Schwartz SR, Nussbaum CE, et al. A team approach to the management of vestibular schwannomas (acoustic neuroma). *Virginia Mason Medical Center Bulletin* 2009; 63(1):36-44.
15. Backous DD, Pham HT. Guiding patients through the choices for treating vestibular schwannomas: balancing options and ensuring informed consent. *Neurosurg Clin N Am* 2008;19(2):379-92.
16. Hanson GR, Borden LS, Backous DD, Bayles SW, Corman JM. Erectile function following unilateral cavernosal nerve replacement. *Can J Urology* 2008; 15(2):3990-93.

17. Backous DD, Schwartz SR, Watson SD., et al. Cochlear Implants: The treatment of choice for adults and children with severe-to-profound hearing loss. VMC Bulletin 2008;62(1):41-45.
18. Baumgartner BJ, Rakita RM, Backous DD. Scedosporium apiospermum otomycosis. Am J Otolaryngol 2007;28(4):254-6.
19. Backous DD, Pham HT. Guiding patients through the choices for treating vestibular schwannomas: Balancing options and ensuring informed consent. Otolaryngol Clin North Am. 2007; 40(3):521-40.
20. Clemen R, Backous DD. Intracranial pressure concerns in lateral skull base surgery. Otolaryngol Clin North Am. 2007;40(3):455-62.
21. Backous DD, Dowell R, Manrique M, Waltzman S, Haynes, DH, Garcia-Gomez JM. Panel IV: cochlear implant candidacy, elderly, and residual hearing. Ear & Hearing 2007;28: (2 Suppl) 128S-129S.
22. Backous DD, Watson SD. Standardization of cochlear implant device reliability reporting in the United States: an interim report. Ear and Hearing 2007;28 (2Suppl):91S-94S.
23. Wootten CT, Backous DD, Haynes DS: Management of cerebrospinal fluid leakage from cochleostomy during cochlear implant surgery. Laryngoscope 2006;116(11):2055-59.
24. Backous DD, Duke W: Implantable middle ear hearing devices: Current state of technology and market challenges. Curr Opin Otolaryngol Head Neck Surg 2006; 14(5):314-18.
25. Hanson JR, Esquivel C, Backous DD: Diagnosis and management of aggressive acquired cholesteatoma with skull base and calvarial involvement: a report of 3 cases. Am J Otolaryngol 2006; 27(4):291-4.
26. Baumgartner BJ, Backous DD: Radiology quiz case 1. Postinflammatory fibrosis of the EAC (medial canal fibrosis). Arch Otololaryngol Head Neck Surg 2006; 132(6):690, 692.
27. Balkany TJ, Hodges AV, Buchman CA, Luxford WM, Pillsbury CH, Roland PS, Shallop JK, Backous DD, et al.: Cochlear implant soft failures consensus development conference statement. Otol Neurotol. 2005; 26(4):815-18.
28. Harsha WJ, Backous DD: Counseling patients on surgical options for treating acoustic neuroma. Otolaryngol Clin N. Am 2005; 38:643-52.
29. Han CY, Backous DD: Basic principles of cerebrospinal fluid metabolism and intracranial pressure hemostasis. Otolaryngol Clin N. Am 2005; 38:569-76.
30. Backous DD, Wolf P, DeMonte F, Weber R. Outcomes following craniofacial resection for non-melanoma skin cancer of the head and neck. Laryngoscope, 2005; 115:931-37.
31. Kerr J, Backous DD: Cochlear implantation in the partially ossified cochlea. Operative Tech Otolaryngol Head Neck Surg 2005; 16: 113-16.
32. Chen DA, Backous DD, Arriaga MA, Garvin R, Kobylk D, Littman T, Walgren S, Lura D. Phase I clinical trial results of the Envoy System: a totally implantable middle ear device for sensorineural hearing loss. Otolaryngol Head Neck Surg. 2004;131 (6):904-16.
33. Takeda H, Watson S, Backous DD. Minimal incision for cochlear implantation in adults and children: postoperative results. Cochlear Implants International, 2004; 5 (Suppl 1):72-3.
34. Backous DD, Littman TA. The Toyota production system and cochlear implants: methodology for improved patient safety and cost containment. Cochlear Implants International, 2004;5 (Suppl 1):188-89.
35. Littman TA, Backous DD. Outpatient newborn hearing screening. Cochlear Implants International, 2004; 5(Suppl 1):197-98.

36. Pontius MB, Kim SY, Backous DD. Metastasis to the petrous apex: A report of an uncommon case. *Otolaryngol Head and Neck Surg*, 2003; 129(6):751-3.
37. Phillips JO, Backous DD. Evaluation of vestibular function in young children. *Otolaryngol Clin N Am*, 2002; 35(4):765-790.
38. Kim SY, Bothwell NE, Backous DD. The expanding role of the otolaryngologist in managing infants and children with hearing loss. *Otolaryngol Clin N Am*, 2002; 35(4):699-710.
39. Backous DD, Dunford R, Segel P, Carter P, Hampson N. Effects of hyperbaric exposure on the integrity of receiver/stimulators of currently available cochlear implants. *Otol Neurotol*, 2002; 23(4):463-7.
40. Leutje CM, Brackmann D, Balkany TJ, Maw J, Baker RS, Kelsall D, Backous D, Miyamoto R, Parisier S, Arts A. Phase III clinical trial results with the Vibrant Soundbridge Implantable middle ear hearing device: a prospective controlled multicenter study. *Otolaryngol Head Neck Surg*, 2002; 126:97-107.
41. Backous DD, Pierce C, Quigley SM. Valsalva-induced scalp flap elevation after cochlear implantation: Etiology and treatment. *Adv Oto-Rhino-Laryngol*, 2000; 57:75-77.
42. Quigley SM, Brazil C, Dobaj H, Backous DD. Initial results of patients implanted in the MED-EL Combi-40+ investigational trial at Virginia Mason Medical Center. *Adv Oto-Rhino-Laryngol*, 2000; 57:442-46.
43. Backous DD, Quigley SM. Vestibular assessment and ear selection for cochlear implantation: The role of Bedside testing. *Adv Oto-Rhino-Laryngol*, 2000; 57:168-72.
44. Backous DD, Pierce C, Dobaj H, Quigley SM. Compressed and split MED-EL electrode arrays in cases of obliterative labyrinthitis ossificans. *Adv Oto-Rhino-Laryngol*, 2000; 57: 109-112.
45. Lasker DM, Backous DD, Lysakowski A, Davis GL, Minor LB. Horizontal vestibulo-ocular reflex evoked by high-acceleration rotations in the squirrel monkey. II. Responses after canal plugging. *Journal of Neurophysiology*, 1999; 82:1271-85.
46. Minor LB, Lasker DM, Backous DD, Hullar TE. Horizontal vestibulo-ocular reflex evoked by high-acceleration rotations in the squirrel monkey. I. Normal responses. *Journal of Neurophysiology*, 1999; 82:1254-70.
47. Backous DD, Minor LB, Aboujaoude ES, Nager GT. Relationship of the utricle and saccule to the stapes footplate: Anatomic implications for sound- and/or pressure-induced otolith activation. *Annals of Otol Rhinol, Laryngol*, 1999; 108:548-53.
48. Backous DD, Minor LB, Niparko JK. Trauma to the external ear canal and temporal bone. *Otolaryngol Clin N Am*, 1999; 29:853-66, 1996.
49. Backous DD, Jenkins HA, Coker NJ. Gunshot injuries to the intratemporal facial nerve. *Eur Arch Oto-Rhinol-Laryngol*, 1994 (Suppl.); S287-S289.
50. Backous DD, Henley CM, Dunn JK, Jenkins HA. A-Difluoromethylornithine delays behavioral recovery and induces decompensation after unilateral labyrinthectomy. *Otolaryngol Head Neck Surg*, 1994; 111:377-384.
51. Backous DD, Coker NJ, Jenkins HA. Prospective analysis of resident performed stapedectomy. *Am J Otol* 1993; 14:451-454.
52. Backous DD, Farrow JA, Friedl KE. Assessment of pubertal maturity in boys, using height and grip strength. *J Adol Health Care*, 1990; 11:497-500.
53. Backous DD, Friedl KE, Smith NJ, Parr TJ, Carpine WD. Soccer injuries and their relation to physical maturity. *Am J Dis Child*, 1988; 142: 839-42.

Book Chapters

1. Tampio AJF, Backous D. Canal wall up tympanomastoidectomy, In: Goycoolea M,V, Selaimen da Costa S, deSouza C, Paparella MM, Editors. Textbook of Otitis Media The Basics and Beyond. Springer, Switzerland;2024:631-39.
2. Backous DD, Cloutier, F. Surgical anatomy and physiology of the vestibular system. In: Weber PC, editor. Vertigo and Disequilibrium. Theime, New York: 2017:52-65.
3. Cloutier F, Backous D. Deafness. In: O'Neill JP, Shah JP, Eds. Self-assessment in Otolaryngology. Elsevier, Philadelphia: 2017;51-60.
4. Torres A, Backous DD. Evaluation and surgical management of conductive hearing loss. In: Flint PW, Haughey BH, Lund VJ, Niparko JK, Richardson MA, Robbins KT, Thomas JR, editors. Otolaryngology Head and Neck Surgery, Fifth ed. Elsevier, St. Louis: in press.
5. Clemen R, Backous DD. Assessment of individuals suspected of or diagnosed with (central) auditory processing disorder: A medical perspective. In: Musiek FE, Chermak GD, Eds. Handbook of (Central) auditory processing disorder, Vol 1., Plural Publishing, San Diego, CA, 2006; 441-52.
6. Backous DD, Niparko JK .Evaluation and surgical management of conductive hearing loss .In: Cummings CW, Haughey BH, Thomas JR, Harker LA, Flint PW, Robbins KT, Schuller DE, Richardson MA, editors. Otolaryngology Head and Neck Surgery, Fourth ed. Elsevier, St. Louis: 3522-34.
7. Steger JR, Backous DD. Reanimation techniques for facial nerve paralysis. Har-El G, Weber PC, Eds. Skull base Medicine and Surgery. Monograph, American Academy of Otolaryngology-Head and Neck Surgery, First Ed., 2004; 311-18.
8. Backous DD, Watson SD. Cochlear Implants in adolescents and “older” Children. Audio-Digest Otolaryngology. Concepts in Pediatric Care, 2004; 37(12): track 13.
9. Backous DD. Trauma to the external auditory canal. In: Lustig LR, Niparko JK, Eds. Clinical Neurotology: Diagnosing and Managing Disorders of Hearing, Balance and the Facial nerve. Martin Dunitz, London, 2003;151-159.
10. Backous DD, Hochmair E, Teissl C. Specific considerations for determining safety with MRI use in cochlear implant candidates. In: Kubo T, Takahashi Y, Iwaki T, editors. Cochlear Implants: an update. Kugler, The Hague, The Netherlands: 2002: 29-32.
11. Backous DD. Two staged cavity-preserving method for cochlear implantation in a patient with bilateral fenestration cavities. In: Kubo T, Takahashi Y, Iwaki T, editors. Cochlear Implants: an update. Kugler, The Hague, The Netherlands: 2002; 231-35.
12. Backous DD, Niparko JK. “Sudden sensorineural hearing loss: The question of perilymph fistula”. Volta Rev, 1999; 99:149-60.
13. Backous DD, Niparko JK. “Evaluation and surgical management of conductive hearing loss”. In: Cummings CW, Frederickson JM, Harker LA, Krause CJ, Richardson MA, Schuller DE, editors. Otolaryngology Head and Neck Surgery, Third ed. Mosby, St Louis: 2894-2907, 1998.

Selected Abstracts Published

1. Bartindale MR, Backous DD. Outcomes for repair of middle cranial fossa encephaloceles using pedicled temporalis myofascial flaps with bone grafts.30th Annual Meeting, North American Skull Base Society, San Antonio, TX, February 9, 20220. J Neuro Surg Skull Base 2020; S1 (81):S123.
2. Sugihara EM, Peterson K, Kenney A, Backous DD. Reduction in audiology time spent at cochlear implant switch-on using artificial intelligence-based mapping and preliminary auditory experience. American Cochlear Implant Alliance 16th Symposium on Cochlear Implants in Children, July 2019, Hollywood, Florida, July 18-21, 2019.

3. Backous DD, Prueter J. Predicting recurrence or regrowth of vestibular schwannoma: Is there a role for Ki-67 index? 8th Quadrennial Conference on Vestibular Schwannoma and Other CPA Lesions, Rochester, Minnesota, June 19-21, 2019. Program and Abstracts: 21.
4. Backous D, Elkins E, Hillyer J, et al. Relationships between cognitive measures, speech understanding, and cochlear implant benefit in high-performing cochlear implant users. 15th International Conference on Cochlear Implants and Other Implantable Auditory Technologies, Antwerp, Belgium, June 27-29, 2018. J Hearing Science 2018; 8(2): 380.
5. Backous DD, Wright J, Grolley E, Souza N, Scoones M. Geographically distributed cochlear implant centre model to improve access, patient experience, and program viability. 15th International Conference on Cochlear Implants and Other Implantable Auditory Technologies, Antwerp, Belgium, June 27-29, 2018. J Hearing Science 2018; 8(2): 65.
6. Prueter J, Norvell D, Backous DD. Ki-67 index as a predictor of vestibular schwannoma re-growth or recurrence. Abstracts of the American Neurotology Society. Nashville, TN, April 20, 2018.
7. Backous DD. Challenges to transferring kaizen methodologies to CI programs functioning in non-lean medical centers. 14th Symposium on Cochlear Implants in Children. Nashville, TN, December 11, 2014.
8. Backous DD. Transferability of Lean Tools and Methodologies to CI Programs Functioning in Non-Lean Medical Centers. Book of Abstracts of the 13th International Conference on Cochlear Implants. Munich, Germany, June 20, 2014.
9. Backous DD, Ressler E. A model to determine the financial performance of cochlear implant programs. American Otological Society Annual Meeting. Orlando, Florida, May 2, 2008.
10. Steger JR, Backous DD. Extensive skull base and calvarium involvement with acquired cholesteatoma. Program and Abstracts, Western Section, The Triological Society, Indian Wells, CA, February 1-2, 2003.
11. Phillips JO, Backous DD. Comparison of vestibular responses in pediatric cochlear implant candidates and age matched controls. Association for Research in Otolaryngology, 25th Annual Meeting, St. Petersburg Beach, FL, 2002.
12. Backous DD, Dunford R, Segel P, Carter P, Hampson N. Effects of hyperbaric exposure on the integrity of receiver/stimulators of currently available cochlear implants. Program and Abstracts, 36th Annual Scientific Meeting, The American Neurotology Society. Palm Desert, California, May 12-13, 2001.
13. Backous DD, Hochmair E, Teissl C. Practical considerations for MRI use in cochlear patients. Abstracts of the 5th European Symposium on Paediatric Cochlear Implantation. Antwerp, Belgium, June 4-7, 2000.
14. Backous DD, Lasker DM, Davis GL, Minor LB. Adaptation of horizontal VOR to 2.2X lenses following compensation to unilateral plugging of the three semicircular canals in the squirrel monkey. Abstracts for the Association for Research in Otolaryngology, 20th Annual Meeting, 1997:129.
15. Backous DD, Lasker DM, Davis GL, Minor LB. Horizontal VOR evoked by high-acceleration, high-frequency yaw rotations in the squirrel monkey before and after 2.2X lens adaptation. Abstracts for the Association for Research in Otolaryngology, 20th Annual Meeting, 1997:126.
16. Backous DD, Lasker D, Minor LB. Asymmetries in the horizontal VOR after unilateral plugging of all three semicircular canals in the squirrel monkey. Abstracts for Society for Neuroscience 26th Annual Meeting 1996; 22:109.
17. Backous DD, Minor LB, Lasker D, Robinson DA. Initial eye-movement responses to high-acceleration rotations in the squirrel monkey. Otolaryngol Head Neck Surg 1996; August special edition: 119.
18. Backous DD, Minor LB, Nager GT. Anatomical implications for Tullio's phenomenon. J Vestib Res 1996;6(4S):S-87.

19. Backous DD, Minor LB, Nager GT. Relationship of the stapedial footplate to the utricle: Anatomical implications for Tullio's phenomenon. Scientific Abstracts for the Association for Research in Otolaryngology, 19th Annual Meeting, St Petersburg Beach Florida. 1996:57.
20. Backous DD, Coker NJ, Jenkins HA. Prospective analysis of resident performed stapedectomy. Proceedings of the Twenty-Seventh Annual Scientific Meeting of the American Neurotology Society, Palm Desert, California, April 1992.
21. Backous DD, Farrow JA, Friedl KA. Assessment of pubertal maturity using height and grip strength. Clinical Research. 37(1): 167A, 1989.

Selected Scientific Presentations:

1. Backous DD, Prueter J. Predicting recurrence or regrowth of vestibular schwannoma: Is there a role for Ki-67 index? 8th Quadrennial Conference on Vestibular Schwannoma and Other CPA Lesions, Rochester, Minnesota, June 19-21, 2019. Program and Abstracts: 21
2. Backous DD. Balloon dilatation for the eustachian tube (BDET). 7th Summer Sinus Symposium, American Rhinological Society, Seattle, Washington, July 14, 2018.
3. Backous DD. Adapting AAMI Standard CI86:2017 to the Rest of the World: Is it ISO? 15th International Conference on Cochlear Implants and Other Implantable Auditory Technologies, Antwerp, Belgium, June 27, 2018.
4. Backous DD. Extending the quaternary CI center: The power of CPN. Management of high-frequency hearing loss in a co-managed patient care model with a new implantable. In: Cire, G, BackousDD, Fusco M. Academy of Doctors of Audiology 2014 Convention. Las Vegas, Nevada November 8 2014.
4. Backous DD, Hampson N. Recurrent facial nerve baroparesis after airline flight. 37th Annual Meeting, American Neurotology Society. Boca Raton, FL May 10-11, 2002.
5. Backous DD, Farrow JA, Friedl KE. Assessment of pubertal maturity in boys using height and grip strength. Western Society for Pediatric Research, Carmel, California, February 1989.
6. Backous DD, Friedl KE, Smith NJ, Parr TJ, Carpine WD. Soccer injuries and their relation to physical maturity. Soccer Industries Council of American, Palm Beach, Florida, May 1987.

Selected Invited Lectures

1. Backous DD. Why the Academy: New directions for the AAO-HNS-F to empower our specialty. Houston Methodist Grand Rounds. Houston, Texas, May 2, 2024.
2. Backous DD. AAO-HNS President update: Coming together as one. Florida Combined Otolaryngology Meeting. Orlando, Florida, November 4, 2023.
3. Backous DD. Challenging paradigm for managing hearing loss in chronic otitis media. Michigan Ear Institute Annual Spring Meeting. Detroit, Michigan, June 3, 2023.
4. Backous DD. Audiology, Hearing Aids and OTC: Opportunity or distraction. Rutgers New Jersey Medical School Grand Rounds, Newark, New Jersey, March 29, 2023.
5. Backous DD. Hearing Preservation Techniques and Electrode Selection for Optimal CI Performance. Visiting Professor, Congreso Extraordinario de la Sociedad Hispanoalemana de ORL. Antigua, Guatemala, November 29, 2017.
6. Backous DD. Clinic capacity and efficiency. Visiting Professor, Semana de la Otolgia. Bogota, Colombia, March 14, 2017.

7. Backous DD. Comprehensive management of glomus jugulare tumors for optimum functional outcome. Hearing Training Center, Otico. Cordoba, Argentina, July 1, 2016.
8. Backous DD. Acoustic neuroma treatment: Cyberknife, GammaKnife or steel knife? Hearing Training Center, Otico. Cordoba, Argentina, July 1, 2016.
9. Backous DD. Honorary guest lecture. Hearing reconstruction of the modified radical Mastoidectomy: Ossiculoplasty or Osseointegration. 17th International Otology Course. Beziers, France, June 26, 2015.
10. Backous DD. Stepwise approach to middle ear reconstruction: What is the role of biomaterials? Scottish Otolaryngological Society, JLO Visiting Professor, Summer Meeting. Dunblane, Scotland. May 12, 2011.
11. Backous DD. Improving CI clinic capacity using Lean tools. Tong Ren Hospital CI Workshop. Shanghai, China, August 26, 2010.
12. Backous DD. Interesting cases: Baha indications. Baha Introductory Symposium. San Juan. Puerto Rico. April 24, 2010.
13. Backous DD. Otic Barotrauma. Pacific Chapter of the UHMS Annual Meeting, Seattle, Washington. October 9, 2009.
14. Backous DD. Challenges and successes with patient access and satisfaction after adapting Lean Strategies In an audiology clinic. Keynote Address, British Academy of Audiology, Liverpool, England UK. November 27, 2008.
15. Backous DD. Significant gains in patient satisfaction and program profitability: Lean applications in audiology. Michael E. Glasscock III Lecture in Neurotology, Vanderbilt University, Nashville, Tennessee. October 10, 2008.
16. Backous DD. Update on standardizing CI reliability reporting in the United States. Cochlear Corporation Symposium: Innovations in hearing performance. Asia Pacific Symposium on Cochlear Implants and Related Sciences, Hong Kong, November 26, 2005.
17. Backous DD. Challenges facing the next generation of cochlear implant surgeons. British Cochlear Implant Group (BCIG) Annual General Meeting. Bridgend, Wales, September 1999.
18. Backous DD. Living through the US healthcare remodel: The need for physician-driven change. Proceedings of the Royal Society of Medicine. London, England, May 6, 2011, p.2.
19. Backous DD, Dougherty EC, Hemeker CF. Referral readiness: Let's talk. Physician Strategies Summit. Scottsdale, Arizona. February 28, 2010.
20. Backous DD, Kennebeck C, Barlow K. Referral Readiness: Do's and Don'ts. Hospital & Physician Relations Executive Summit. Chicago, Illinois. October 18, 2009
21. Backous DD. Challenges to market growth in the cochlear implant industry: Perspectives from the United States. Citigroup Investment Analyst annual meeting. Sydney, Australia, February 3, 2005; Melbourne, Australia, February 1, 2005.
22. Backous DD. Challenges to market growth in the cochlear implant industry: Perspectives from the United States. Citigroup Investment Analyst annual meeting. Sydney, Australia, February 3, 2005; Melbourne, Australia, February 1, 2005.