

Bruce R. Gerratt

Department of Head & Neck Surgery

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Academic Background:

B.A., University of Massachusetts, Amherst, MA, 1971, Psychology

M.A., University of Massachusetts, Amherst, MA, 1976, Speech-Language Pathology

Ph.D., Northwestern University, Evanston, IL, 1981, Communication Sciences and Disorders

Licensure:

License No. SP 5792, State of California Speech-Language Pathology and Audiology Board

Certificate of Clinical Competence in Speech and Language Pathology, American Speech-Language-Hearing Association

Professional Experience:

Professor in Residence, Department of Head and Neck Surgery, Department of Surgery, David Geffen School of Medicine, University of California, Los Angeles since 1995.

Professor, Bioacoustics, Speech and Hearing Area, Biomedical Engineering Department, Henry Samueli School of Engineering and Applied Sciences, University of California, Los Angeles 1998-2001.

Co-Chair, Bioacoustics, Speech and Hearing Program, Interdepartmental Program in Biomedical Engineering, University of California, Los Angeles, 2001-2002.

Director, Audiology & Speech Pathology Department, UCLA Medical Center, since 1995.

Associate Professor in Residence, Division of Head and Neck Surgery, Department of Surgery, School of Medicine, University of California, Los Angeles, 1989-1994.

Assistant Professor in Residence, Division of Head and Neck Surgery, Department of Surgery, School of Medicine, University of California, Los Angeles, 1982-1989.

Assistant Chief and Speech Pathologist, Audiology and Speech Pathology Service, VA Medical Center, West Los Angeles; 1981-1995.

Visiting Faculty, Department of Communicative Disorders, California State University, Northridge, 1981.

Activities in Scholarly and Professional Societies:

Academic Senate Committee Service:

Council on Research, 2007 – 2011

Vivarium Research Resources Advisory Committee, Office for Protection of Research Subjects, 2007 - 2011.

Other University Service:

Grant Proposal Reviewer, Veterans Administration Merit Review Program, 1987-1994.

Member, Dysarthria Needs Taskforce Committee, Department of Veterans Affairs, Washington, D.C., 1988 -1992.

Convention Program Committee, American Speech, Language, Hearing Association, 1988, 1991, 1994, 1997, 2006.

Ad-Hoc Grant Proposal Reviewer, National Institute of Deafness and Other Communication Disorders, 1990.

Curriculum Committee, Division of Head & Neck Surgery 1991-.

Member, CMS Sensory Disorders and Language Study Section, Center for Scientific Review, National Institutes of Health, 1992-1998.

Member, Expert Panel, Communication Sensory and Cognitive Aids Workshop, VA Rehabilitation Research and Development Service, Augusta, 1993.

Grant Proposal Reviewer, Veterans Administration Co-Op Study Program, Central Office Medical Research Service. 1993-1994.

Faculty Review Committee, 1993, 2000.

Member, Board of Directors, Victor Goodhill Center, Division of Head & Neck Surgery 1995 -.

Medical Staff Committee, Rehabilitation Services Subcommittee 1995- 2000.

Appointments and Promotions Committee, Division of Head & Neck Surgery 1998-.

Member, Speech Communication Technical Committee, Acoustical Society of America, 2000-.

Reviewer, Special Emphasis Panel, National Institute of Deafness and Other Communication Disorders, Small Grant Program, 2002-2004, 2012-2013.

Reviewer, Health Communication Panel ZDC1, National Institute of Deafness and Other Communication Disorders, 2004.

Chair, Raymond H. Stetson Scholarship in Phonetics and Speech Production Review Committee, Acoustical Society of America, 2006-2011.

Chair, Division of Head & Neck Surgery Faculty Review Committee, 2007.

Reviewer, Communication Disorders Review Committee, National Institute of Deafness and Other Communication Disorders, 2008-2010.

Reviewer, R03 Review, National Institute of Deafness and Other Communication Disorders, 2011.

Member, Special Emphasis Panel, National Institute of Deafness and Other Communication Disorders, Voice, Speech, and Language, 2011-.

Honorary President, Paul H. Ward, MD Society, 24th annual scientific session, Department of Head & Neck Surgery, 2012.

Reviewer, Loan Repayment Program, National Institute of Deafness and Other Communication Disorders, 2013-.

Reviewer, Individual pre- and post-doctoral Voice, Speech, and Language fellowship review (NRSA), National Institute of Deafness and Other Communication Disorders, 2014.

Ad-hoc Reviewer, Motor Function, Speech and Rehabilitation (MFSR) Study Section, Center for Scientific Review, National Institutes of Health, 2015.

Community Service Activities:

Volunteer Speaker, Parkinson's Resource Organization 1998-1999.

Board of Directors, Treetop Inc., Child Care Services for the VA Medical Center, West Los Angeles, 1988 -1991.

Program Co-Chair, PVSF/UCLA Voice Conference, Los Angeles, 2007-2014.

Honors and Special Awards:

Massachusetts Public Health Grant, University of Massachusetts, 1975-1976

Pre-Doctoral Fellowship, National Institutes of Health, Northwestern University, 1977-1980

Outstanding Scientific and Technical Award, Federal Executive Board of Los Angeles, 1992.

Elected Member of the Acoustical Society of America, 1992.

Editor's Award for Best Paper in Speech, 1993, Journal of Speech and Hearing Research ("Perceptual evaluation of voice quality: Review, tutorial, and framework for future research"). Awarded by the American Speech-Language-Hearing Association.

Member, Sensory Disorders and Language Study Section, Center for Scientific Review, National Institute of Health, 1995-1999

Best Basic Science Faculty Member Teaching Award, Division of Head & Neck Surgery, University of California Los Angeles, 1998.

Member, Speech-Language Pathology and Audiology Board, State of California Department of Consumer Affairs, California, 2000-2005.

Best Basic Science Faculty Member Teaching Award, Division of Head & Neck Surgery, University of California, Los Angeles, 2002.

Named “Glottal Affairs Research-Bureau-of-the-Month” in the Mini-Annals of Improbable Research (“Mini-AIR), Issue number 2005-2006, June, 2005.

Elected Fellow, Acoustical Society of America, 2008

Member, NIH Special Emphasis Review Panel, Small Grants Program, 2009-2013.

Best Basic Science Faculty Member Teaching Award, Division of Head and Neck Surgery, University of California, 2009-2010.

Best Basic Science Faculty Member Teaching Award, Division of Head and Neck Surgery, University of California, 2010-2011.

Best Basic Science Faculty Member Teaching Award, Division of Head and Neck Surgery, University of California, 2011-2012.

Best Basic Science Faculty Member Teaching Award, Division of Head and Neck Surgery, University of California, 2012-2013.

Best Basic Science Faculty Member Teaching Award, Department of Head and Neck Surgery, University of California, 2014-2015.

Best Basic Science Faculty Member Teaching Award, Department of Head and Neck Surgery, University of California, 2015-2016.

Best Basic Science Faculty Member Teaching Award, Department of Head and Neck Surgery, University of California, 2016-2017.

Professional Societies:

American Speech-Language-Hearing Association

Acoustical Society of America

American Association for the Advancement of Science

Individuals Supervised:

The Effects of Surgery on Vocal Quality. Gerald Berke, M.D., (Mentor for Resident Research), 1982-83.

Laryngeal Function in Normal Adult Males. Thomas Chasse, M.D., (Mentor for Resident Research), 1984-85.

Glottographic and Aerodynamic Measurement of the Effects of Laryngeal Paralysis. Rom Karin, M.D., (Mentor for NIH Postdoctoral Fellowship), 1984-85.

The Effect of Vocal Masses on Laryngeal Physiology. Ben Buchholtz, M.D. (Mentor for Resident Research), 1985.

A Comparison of the Effects of Primary Closure to Closure by Pectoralis Major Myocutaneous Flap in Oropharyngeal Reconstruction on Swallowing. Diane Petersen, M.D. (Mentor for Resident Research), 1987.

The Effects of Speaker and Listener Characteristics on Voice Perception, Jody Kreiman, Ph.D. (Mentor for NIH Postdoctoral Fellowship), 1988-1990.

Nasal Coarticulation and Articulatory Coordination, Marie K. Huffman, Ph.D. (Doctoral Dissertation Committee) Department of Linguistics, 1989.

Phonetic and Phonological Study of Uvulars, Pharyngeals and Tongue Root Behavior, Susan Ann Hess, Ph.D. (Doctoral Dissertation Committee) Department of Linguistics, 1988-89.

Articulatory and Acoustic Aspects of the Apical-Laminal Distinction, Sarah Dart, Ph.D. (Doctoral Dissertation Committee) Department of Linguistics, 1991.

Determination of Vocal Fold Mucosal Wave Velocity in an In Vivo Canine Model. Steven Sloan, M.D. (Mentor for Resident Research), 1991

Intraoperative Measurement of Young's Modulus in the In Vivo Human Vocal Folds. Quang Tran, M.D. (Mentor for Resident Research), 1991

The Effect of Laryngeal Nerve Stimulation and Airflow on Laryngeal Function in an In Vivo Canine Model. Steven Bielmanowicz, M.D. (Resident Research), 1992

Measurement of Vocal Fold Mucosal Wave Velocity in Humans. Randall Wenokur, M.D., (Mentor for Resident Research), 1992

A Comparison of Automated and Hand-Marked Methods for Jitter and Shimmer Measures, Marc Dauer, M.D. (Mentor for Medical Student Research), 1992.

Perceptual Dimensions in Determination of Pathologic Voice Quality, Rose Rabinov, M.D. (Mentor for Resident Research), 1993.

Caroline Smith, PhD. Co-Mentor, NIH National Research Service Post-Doctoral Fellow, 1993-1995.

Laryngeal Biomechanics, Sina Nasri, M.D. (Mentor for Resident Research), 1993-1994.

The Phonetics and Phonology of Tone in Museyna with Particular Attention to the Interaction of Consonants and Tone, Aaron Shyrock (Doctoral Dissertation Committee) Department of Linguistics, University of California, Los Angeles, 1995.

Dinesh Chhetri, Mentor for Medical Student Research, 1996.

Daniel Silverman, PhD, Co-mentor for NIH National Research Service Post-Doctoral Fellow, 1995-1997

K. Linnea Peterson, MD. Mentor for resident research, 1996.

Deborah Watson, MD. Mentor for resident research rotation, 1996-1997.

Sumiko Takayanagi, PhD, Co-mentor for NIH National Research Service Post-Doctoral Fellow, 1997

Pharyngeal Articulations, Susan Ann Hess (Doctoral Dissertation Committee) Department of Linguistics, University of California, Los Angeles, 1998.

Joel Blumin, MD. Faculty Mentor for resident research, 1997.

Melissa Epstein. Co-mentor, graduate student research rotation, 1998; pre-doctoral fellow, 1998, Department of Linguistics.

Kirt Birusingh, MD. Mentor for resident research, 1998 - 1999.

Andrew Verneuil, MD. Mentor for resident research, 1998 - 2000.

Christopher Head, M.D. Faculty Mentor, 1998.

Blas Payri, PhD. Research Mentor, post-doctoral fellow, 2000-2001.

Joel Blumin, MD. Research Mentor, Post-doctoral fellow, 1999-2001.

Edward Damrose, MD. Research Mentor, Post-doctoral fellow, 2001-2003.

Dinesh Chhetri, MD. Research Mentor, Post-doctoral fellow, 2003-2005.

Andrew Celmer, M.D. Research Mentor, Post-doctoral fellow, 2005-2006.

Mika Ito, PhD, Research Mentor, Post-doctoral fellow, 2005-2006.

David Opperman, M.D. Research Mentor, Post-doctoral fellow, 2006-2007.

Andrew Verneuil, MD. Research Mentor, Post-doctoral fellow, 2006-2007.

Scott Howard, MD. Research Mentor, Post-doctoral fellow, 2008-2010.

Murtaza Ghadiali, M.D. Research Mentor, Post-doctoral fellow, 2008-2009.

Amanda Salvado, M.D. Research Mentor, Post-doctoral fellow, 2009-2010.

Jennifer Long, M.D. Research Mentor, Post-doctoral fellow, 2010-2011.

Nausheen Jamal, M.D. Research Mentor, Post-doctoral fellow, 2011-2012.

Abie Mendelsohn, M.D. Research Mentor, Post-doctoral fellow, 2011-2012.

Robin Samlan, Ph.D. Research Mentor, Post-doctoral fellow, 2012 – 2013.

Marc Garellek, Ph.D. Research Mentor, Post-doctoral fellow, 2012 – 2014.

Gang Chen, Ph.D. Research Mentor, Post-doctoral fellow, 2012 – 2014.

Ana Paula Petriu Ferreira Engelbert. Mentor, Fulbright/CAPES fellowship, 2013-2014.

Michael Orestes, M.D. Research Mentor, Post-Doctoral fellow, 2013 - 2015.

Rosario Signorello, Ph.D. Research Mentor, Post-Doctoral fellow, 2014 - 2016.

Benjamin Rafi, M.D. Research Mentor, Post-Doctoral fellow, 2014 - 2015.

Michael Holliday, M.D. Research Mentor, Post-Doctoral fellow, 2015 - 2016.

Karuna Dewan, M.D. Research Mentor, Post-Doctoral fellow, 2016 - 2017.

Teaching Record:

Research Design and Statistics I. Department of Communicative Disorders, Northwestern University, Evanston, 1980.

Audiology and Speech Pathology Information Course. VA Medical Center, West Los Angeles, 1981-1995.

Speech Science. California State University at Northridge, 1981. (Visiting faculty).

Advanced Clerkship in Head and Neck Surgery, University of California, Los Angeles, (Yearly).

Basic Science in Head and Neck Surgery, University of California, Los Angeles, (Yearly).

Laboratory Rotations in Head and Neck Surgery, University of California, Los Angeles, (Quarterly).

Courses taught at UCLA:

Lecturer, Linguistics, Applied Linguistics, 2015

Lecturer, Communication Studies 119, Voice and Its Perception (offered irregularly).

Lecturer, Linguistics HC16, Science of the Singing Voice (Yearly).

Lecturer, Linguistics 102, Applied Phonetics (offered irregularly).

Lecturer, Electrical Engineering EE214B, Topics in Signal Processing (Yearly).

Research Grants Received:

University Grant Support:

Principal Investigator, Academic Senate Grant, 4-199007 Individual Research Grant, “Calibration of Glottographic Measurement in Laryngeal Research,” University of California, Los Angeles, 1983, Direct Costs: \$3955.

Extramural Support:

Co-Principal Investigator, NIH-NIDCD, Individual Research Grant, "Toward Standardizing Perceptual Voice Quality Measures," 2R01DC01797-24, PI: Jody Kreiman, 20016-2021, Direct Costs, \$2,439,247.

Co-Investigator, NIH-NIDCD, Individual Research Grant, "Mechanisms of vocal register," R01 DC 013323, PI: David Berry, 2014-2019, Direct Costs: \$2,139,992.

Co-Investigator, NIH-NIDCD, Individual Research Grant, "Laryngeal Muscular Control of Voice Production and Quality, R01 DC 009229, PIs: Gerald Berke and Zhaoyan Zhang, 2013-2018, Direct Costs: \$2,113,504.

Co-Principal Investigator, NIH-NIDCD, Individual Research Grant, "Toward Standardizing Perceptual Voice Quality Measures," R01DC01791, PI: Jody Kreiman, 20011-2016, Direct Costs, \$2,828,896.

Co-Investigator, NIH-NIDCD, Individual Research Grant, "Biomechanical Mechanisms of Phonation," 1R01DC011299, PI: Zhaoyan Zhang, 2011-2016, Direct Costs, \$2,065,059.

Co-Principal Investigator, NIH-NIDCD, Individual Research Grant, "Toward Standardizing Perceptual Voice Quality Measures," R01DC01791, PI: Jody Kreiman, 2005-2010, Direct Costs: \$2,223,409.

Investigator, NIH-NIDCD, Individual Research Grant, "Direct and Indirect Measures of Glottal Volume Velocity," R01DC04688, PI: Gerald Berke, 2002-2007, Direct Cost \$1,137,500.

Consultant/ Significant Contributor, NIH-NIDCD, Individual Research Grant, "Medial Surface Dynamics of the Vocal Folds," NIDCD R01DC003072; PI: David Berry, 2002-2007, Direct Costs: \$1,125,002

Co-Principal Investigator, NIH-NIDCD, Individual Research Grant, "Toward Standardizing Perceptual Voice Quality Measures," R01DC01791, Co-PI: Jody Kreiman, 2000-2005

Principal Investigator, NIH-NIDCD, Individual Research Grant, "Toward Standardizing Perceptual Voice Quality Measures," R01DC01791, 1995-2000, Direct Costs: \$1,211,452.

Co-Investigator, VA Merit Review, "Laryngeal Vibration, Airflow and Acoustics," PI: Keith Blackwell, 1996-1999, Direct Costs \$169,488.

Principal Investigator, VA Merit Review, "Laryngeal Vibration, Airflow and Acoustics," 1993-1995, Direct Costs \$159,388.

Key Investigator, NIH-NIDCD, Individual Research Grant, "Efficacy of Implant-Supported Maxillofacial Prostheses," DE11255, PI: Krishan K. Kapur, 1996-2001, Direct Costs \$1,160,003.

Principal Investigator, NIH-NIDCD, and Individual Research Grant, "Toward Standardizing Perceptual Voice Quality Measures," R01DC01791, 1992-1995, Direct Costs: \$588,714.

Co-Principal Investigator, NIH-NIDCD, Individual Research Grant, “Intraoperative Measurement of Vocal Fold Young’s Modulus,” R01DC 00855, PI: Gerald Berke, 1990-1994, Direct Costs: \$164,557.

Principal Investigator, VA Merit Review, “Laryngeal Vibration, Airflow and Acoustics,” Direct Costs \$84,340.

Participating Faculty, NIH-NIDCD Institutional NRSA Training Grant, “Developmental Neurotology,” T32 DC00008, PI: Vicente Honrubia, M.D., 1997-2002.

Participating Faculty, NIH-NIDCD Institutional NRSA Training Grant, “Developmental Neurotology,” T32 DC00008, PI: Vicente Honrubia, M.D., 1992-1997.

Participating Faculty, NIH-NIDCD Research Training Center Grant, “Otoneurologic and Vestibular Clinical and Basic Research,” 5 P60 DC01404, Direct Costs: PI: Vicente Honrubia, M.D., 1991-1996.

Participating Faculty, NIH-NINCDS Training Grant, NS 07059 “Developmental Neurotology,” PI: Vicente Honrubia, M.D., 1981-1989.

Participating Faculty, NIH-NIDCD Institutional NRSA Training Grant, “Training Program in Phonetics and Speech,” T32 DC00029, PI: Pat Keating, 1995-2000.

Participating Faculty, NIH-NIDCD Institutional NRSA Training Grant, DC00029 “Training Program in Phonetics and Speech,” T32 DC00029, PI: Peter Ladefoged, Ph.D., 1989-1994.

Co-Investigator, V.A. Rehabilitation Research & Development Merit Review, PI: James Till, “Computer Assisted Speech Evaluation Expert System,” 1990-1993, Direct Costs: \$197,000.

Co-Investigator, VA Merit Review, “Laryngeal Vibration, Airflow, and Acoustics,” PI: Gerald Berke, 1988-1991, Direct Costs: \$237,000.

Co-Principal Investigator, VA Rehabilitation Research & Development Merit Review, “Computer Assisted Speech Evaluation Expert System,” PI: James Till, 1987-1990, Direct Costs: \$187,000.

Principal Investigator, Northwestern University Subcontract to UCLA, “Measures of Vocal Dysfunction in Neurological Disorders,” 1989-1990, Direct Costs: \$41,631.

Co-Principal Investigator, NIH-NINCDS, Individual Research Grant, “Measures of Vocal Dysfunction in Neurological Disorders,” R01NS 20707, PI: David Hanson, 1987-1990, Direct Costs: \$420,000.

Co-Principal Investigator, NIH-NINCDS, Individual Research Grant, “Measures of Vocal Dysfunction in Neurological Disorders,” R01NS 20707, PI: David Hanson, 1984-1987, Direct Costs: \$295,893.

Co-Investigator, NIH-NINCDS, “Conference on Neurological Disorders of the Larynx,” 1989-1990, Direct Costs: \$41,014.

Project Speech Pathologist, NIH-NINCDS, Individual Research Grant, “Linguistic Use of Laryngeal and Aerodynamic Processes,” (Peter Ladefoged and Ian Maddieson, Co-Principal Investigators) 1985-1988.

Investigator, NIH-NINCDS, “Communicative Disorders Clinical Research Center,” PI: Paul H. Ward, M.D. 1983-1988.

Activities in Scholarly and Professional Societies:

Reviewer, Special Emphasis Panel/Scientific Review Group ZDC1 SRB R-31, National Institutes of Health, 2017.

Ad-hoc Reviewer, Communication Disorders Review Group, National Institutes of Health, 2017

Ad-hoc Reviewer, Nursing and Clinically Related Clinical Science Section, National Institutes of Health, 2017

Reviewer, NIH/SREA Review Committee, National Institutes of Health, 2016.

Ad-hoc Reviewer, Motor Function, Speech and Rehabilitation (MFSR) Study Section, Center for Scientific Review, National Institutes of Health, 2015-2016.

Reviewer, Individual pre- and postdoctoral Voice, Speech, and Language fellowship review (NRSA), National Institute of Deafness and Other Communication Disorders, 2014.

Reviewer, Loan Repayment Program, National Institute of Deafness and Other Communication Disorders, 2013-.

Member, Special Emphasis Panel, National Institute of Deafness and Other Communication Disorders, Voice, Speech, and Language, 2011-.

Member, Communication Disorders Review Committee, National Institute of Deafness and Other Communication Disorders, 2008-.

Chair, Raymond H. Stetson Scholarship in Phonetics and Speech Production Review Committee, Acoustical Society of America, 2006-2011.

Member, Speech Communication Technical Committee, Acoustical Society of America, 2000-.

Reviewer, Special Emphasis Panel, National Institute of Deafness and Other Communication Disorders, Small Grant Program, 2002-2004, 2012-2013.

Reviewer, R03 Review, National Institute of Deafness and Other Communication Disorders, 2011.

Reviewer, Communication Disorders Review Committee, National Institute of Deafness and Other Communication Disorders, 2008-2010.

Reviewer, Health Communication Panel ZDC1, National Institute of Deafness and Other Communication Disorders, 2004.

Member, CMS Sensory Disorders and Language Study Section, Center for Scientific Review, National Institutes of Health, 1992-1998.

Ad-Hoc Grant Proposal Reviewer, National Institute of Deafness and Other Communication Disorders, 1990.

Grant Proposal Reviewer, Veterans Administration Co-Op Study Program, Central Office Medical Research Service. 1993-1994.

Grant Proposal Reviewer, Veterans Administration Merit Review Program, 1987-1994.

Member, Expert Panel, Communication Sensory and Cognitive Aids Workshop, VA Rehabilitation Research and Development Service, Augusta, 1993.

Member, Dysarthria Needs Taskforce Committee, Department of Veterans Affairs, Washington, D.C., 1988 -1992.

Convention Program Committee, American Speech, Language, Hearing Association, 1988, 1991, 1994, 1997, 2006.

Editorial Services to Scholarly Publications:

Editorial Consultant, PLOS ONE, 2017

Editorial Consultant, Computer Methods and Programs in Biomedicine, 2017

Editorial Consultant, American Journal for Speech-Language Pathology, 2016

Editorial Consultant, Journal of Voice, 2016

Editor for Voice, Journal of Speech, Language, and Hearing Research, 2015

Associate Editor for Voice, Journal of Speech, Language, and Hearing Research 2012-2015

Guest Editor, Journal of Speech-Language-Hearing Research, 2009, 2010

Editorial Consultant, Annals of Biomechanical Engineering, 2009-2010

Editorial Consultant, IEEE Transactions on Audio, Speech and Language Processing, 2008.

Editorial Consultant, Folia Phoniatica et Logopaedica, since 2006.

Editorial Consultant, Journal of the Acoustical Society of America Express Letters, since 2006.

Editorial Consultant, IEEE Engineering in Medicine and Biology, 2005

Associate Editor, Journal of Phonetics, Special Issue on Non-Modal Phonation, 2000-2001

Editorial Consultant, American Journal of Speech-Language Pathology since 1998.

Editorial Consultant, Journal of the Acoustical Society of America since 1994.

Editorial Consultant, Journal of Speech-Language-Hearing Research since 1985.

Associate Editor, Journal of Speech and Hearing Disorders, 1989-1991.

Editorial Consultant, Aphasiology: An International, Interdisciplinary Journal, 1991.

Editorial Consultant, Annals of Otolaryngology, Rhinology, & Laryngology, 1990.

Editorial Consultant, Otolaryngology - Head and Neck Surgery, 1987-1989.

Research Papers (Peer Reviewed):

1. **Gerratt, B.R.** The dysarthria accompanying tardive dyskinesia, Doctoral Dissertation, Northwestern University, 1981.
2. **Gerratt, B.R.** Formant frequency fluctuation as an index of motor steadiness of the vocal tract. Journal of Speech and Hearing Research, 1983, 26, 297-303.
3. Hanson, D.G., **Gerratt, B.R.** and Ward, P.H. Glottographic measurement of vocal dysfunction: A preliminary report. Annals of Otol-Rhinol-Laryngology, 1983, 92, 413-420.
4. Berke, G., **Gerratt, B.R.** and Hanson, D.G. An acoustic analysis of the effects of surgical therapy on voice quality. Otolaryngology - Head and Neck Surgery, 1983, 91, 502-508.
5. **Gerratt, B.R.** and Jones, D. Multiple meanings and semantic processing in aphasia. Proceedings of the Clinical Aphasiology Conference, 1983, 165-167.
6. Hanson, D., **Gerratt, B.R.** and Ward, P. Cinegraphic observations of laryngeal function in Parkinson's disease. Laryngoscope, 1984, 94, 348-353.
7. **Gerratt, B.R.**, G, Goetz, C.G., and Fisher, H.B. Speech abnormalities in tardive dyskinesia. Archives of Neurology (continued as JAMA Neurology), 1984, 41, 273-276.
8. Karin, R., Hanson, DG., **Gerratt, B.R.**, Ward, P.H. Glottographic measurement of the effects of laryngeal paralysis. Contemporary Issues In Otolaryngology - Head and Neck Surgery, 1985, 2, 61-63.
9. **Gerratt, B.R.**, G., Hanson, D.G., Berke, G.R. A non-invasive transoral technique for glottography. Proceedings of the International Conference on Voice, 1986, 1:(iii), 1-5.
10. Hanson, D.G., Gerratt, B.G., Berke, G.S., Moore, D., Simultaneous photoglottography and stroboscopy. Proceedings of the International Conference on Voice, 1986, 1, 6-11.

11. Berke, G.S., Hantke, D.R., Hanson, D.G, **Gerratt, B.R.**, An experimental model for the study of vocal fold length and tension effects upon phonation. Proceedings of the International Conference on Voice, 1986, 1:(ii), 1-8.
12. Schweiger, A., Wechsler, A.F., **Gerratt, B.R.**, Noffsinger, D., and Zaidel, E. Auditory agnosia and right hemisphere functioning. International Journal of Experimental and Clinical Neuropsychology, 1986, 8, 130-131.
13. **Gerratt, B.R.**, Jones D. Aphasic performance on a lexical decision task: multiple meanings and word frequency. Brain and Language, 1987, 1, 106-115.
14. Berke, G.S., Moore, D.M., Hantke, D.R., Hanson, D.G., **Gerratt, B.R.**, and Burstein, F. Laryngeal modeling: theoretical, in Vitro, in Vivo. Laryngoscope, 1987, 97, 871-881.
15. Hanson, D.G., **Gerratt, B.R.**, Karin, R., Berke, G.S. Glottographic measures of vocal fold vibration: An examination of laryngeal paralysis. Laryngoscope, 1988, 98, 541-549.
16. Berke, B.S., Moore, D.M., **Gerratt, B.R.**, Aly, A., and Tantisira, J. Transtracheal stimulation of the laryngeal recurrent nerve. American Journal of Otolaryngology, 1988, 8, 12-1
17. **Gerratt, B.R.**, Hanson, D.G., and Berke, G.S. Laryngeal configuration associated with glottography. American Journal of Otolaryngology, 1988, 9, 173-179.
18. Alessi, D.M, Berke, G.S., Trapp, T.K., **Gerratt, B.R.**, and Hanson, D.G. An accurate method of Teflon injection using functional phonosurgery. Archives of Otolaryngology, 1988, 114, 1321-1323.
19. Berke, G., Moore, D., **Gerratt, B.R.**, Hanson, D. The effect of superior laryngeal nerve stimulation on phonation. American Journal of Otolaryngology, 1988, 10, 181-188.
20. Berke, G., Hanson, D., Trapp, T., Moore, D., **Gerratt, B.R.**, and Natividad, M. Office based system for voice analysis. Archives of Otolaryngology, 1989, 115, 74-77.
21. Ward, P., Hanson, D., **Gerratt, B.R.**, and Berke, G. Current and future horizons in laryngeal and voice research. Annals of Otolaryngology, 1989, 98, 145-152.
22. Berke, G.S., Trapp T., **Gerratt, B.R.**, Hanson, D.G., Arnstein, D.P., Natividad, M. Videostroboscopic images associated with glottographic waveforms in an in vivo canine model of phonation. Journal of the Acoustic Society of America, 1989, 85, 1789-1793.
23. Berke, G., **Gerratt, B.R.**, Hanson, D., Trapp, T., and Moore, D. Voice analysis revisited. Archives of Otolaryngology, 1989, 115, 1133-1134.

24. Berke, G., Moore, D., **Gerratt, B.R.**, Hanson, D. The effect of recurrent laryngeal nerve stimulation on an in vivo model of phonation. Laryngoscope, 1989, 99, 1243-1249.
25. Berke, G., Moore, D., Monkewitz, P., **Gerratt, B.R.**, and Hanson, D. A preliminary study of particle velocity in an in vivo canine model of phonation. Journal of Voice, 1989, 3, 306-313.
26. Hanson, D.H., **Gerratt, B.R.**, and Berke, G. Frequency, intensity, and target matching effects on photoglottographic measures of open quotient and speed quotient. Journal of Speech and Hearing Research, 1990, 33, 45-50.
27. Berke, G., Hanson, D., **Gerratt, B.R.**, Macagba, C., Natividad, M. The effect of airflow and medial adductory compression on vocal efficiency and glottal vibration. Otolaryngology - Head & Neck Surgery, 1990, 102, 212-218.
28. Kreiman, J., **Gerratt, B.R.**, and Precoda, K. Listener experience and perception of voice quality. Journal of Speech and Hearing Research, 1990, 33, 103-115.
29. **Gerratt, B.R.**, Hanson, D., Berke, G., and Precoda, K. Photoglottography: a clinical synopsis. Journal of Voice, 1991, 5, 98-105.
30. Sercarz, J.A., Berke, G., Arnstein, D., **Gerratt, B.R.**, Natividad, M. A new technique for quantitative measurement of laryngeal videostroboscopic images. Archives of Otolaryngology, 117, 1991, 871-875.
31. Sercarz, J., Berke, J., **Gerratt, B.R.**, Kreiman, J., Ye, M., Natividad, M. Synchronizing videostroboscopic images of human laryngeal vibration with physiologic signals. American Journal of Otolaryngology, 13, 1992, 40-44.
32. Kreiman, J., **Gerratt, B.R.**, and Berke, G. Individual differences in perception of voice quality. Journal of Speech and Hearing Research, 35, 1992, 512-520.
33. Smith, M., Berke, G., **Gerratt, B.R.**, and Kreiman, J. Laryngeal paralyses: theoretical considerations and effects on laryngeal vibration. Journal of Speech and Hearing Research, 35, 1992, 545-554.
34. Sercarz, J., Berke, J., Ming, Y., **Gerratt, B.R.**, and Natividad, M. Videostroboscopy of human vocal fold paralysis. Annals of Otology, Rhinology and Laryngology, 101, 1992, 567-577.
35. Sloan, S., Berke, G., and **Gerratt, B.R.** The effect of asymmetric vocal fold stiffness on travelling wave velocity in the canine larynx. Otolaryngology - Head and Neck Surgery, 107, 1992, 516-526.

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