

JONATHAN Z. BASKIN, MD

CURRICULUM VITAE

PERSONAL INFORMATION

Name: Baskin, Jonathan, Zvi

Education

School: University of Michigan.

Degree: BA, High Distinction

Dates: 1989-1993

School: New York University School of Medicine

Degree: MD with Honors

Dates: 1994-1998

Post-Graduate Training

Institution: NYU/Bellevue Medical Center/VAMC. 240 East 38th Street, New York, NY 10016

Position: **Intern, General Surgery**

Dates: 1998-99

Institution: NYU/Bellevue Medical Center and Manhattan Eye Ear & Throat Hospital, 240 East 38th Street, New York, NY 10016

Position: **Resident & Chief Resident in Otolaryngology--Head & Neck Surgery**

Dates: 1999-2003

Institution: SUNY Upstate Medical Center, 750 E Adams St, Syracuse, NY 1321

Position: **AAFPRS Facial Plastic & Reconstructive Surgery Fellow**, [Fellowship Director, Sherard (Scott) A. Tatum]

Dates: 2003-04

Institution: SUNY Upstate Medical Center, 750 E Adams St, Syracuse, NY 13210

Position: **AO Craniomaxillofacial Fellow**

Dates: 2004

Contact Information

Office Address: LSCVAMC, 10701 East Blvd, 112W, Cleveland, Ohio 44106

E-mail: Jonathan.baskin2@va.gov, jzb@case.edu

PROFESSIONAL APPOINTMENTS (list recent to oldest)

Position/Rank: Chief, Section of Otolaryngology-Head & Neck Surgery
Institution/Department: Louis Stokes Cleveland VA Medical Center (LSCVAMC)
Dates: 2008-present

Position: Interim Chief of Surgical Services VA, LSCVAMC, VISN 10
Department: Surgical Services, Louis Stokes Cleve. VA Medical Center
Dates: March-May, 2019

Position/Rank: Associate Director for Technology transfer and Translation,
Institution/Department: Advanced Platform Technology Center (APTC)
Dates: 2019-present

Position Rank: Faculty
Institution/Department: APTC
Dates: 2008-present

Position/Rank: Attending Surgeon and Physician
Institution/Department: University Hospitals, Cleveland Medical Center,
Dates: 2004-present

Position/Rank: Director of the multidisciplinary Head & Neck Tumor Board:
Institution/Department: LSCVAMC
Dates: 2008-2014

**ACADEMIC
APPOINTMENTS**

Position/Rank: Associate Professor,
Institution/Department: Case Western Reserve University (CWRU) School of Medicine, Dept. of
Otolaryngology-Head & Neck Surgery
Dates: 2016 (Asst. Prof from 2008-16)

Position/Rank: Associate Professor
Institution/Department: CWRU/ Department of Biomedical Engineering, School of Engineering
Dates: 2016 (Asst. Prof from 2008-16)

**CERTIFICATION AND
LICENSURE**

Name of Board: American Board of Otolaryngology-Head & Neck Surgery
Date of Certificate: 2004-present
Cert. Number: 18279
Date Issued: 2004-present

Name of Board: American Board of Facial Plastic & Reconstructive Surgery
Date of Certificate: 2006-present

Cert. Number: 18508
Date Issued: 2004

Name of Board: American Board of Sleep Medicine (Sponsoring board: ABOHNS)
Date of Certificate: 2012-present
Cert. Number: 18279
Date Issued: 2012

Name of Board: State of Ohio: license to practice medicine.
Date of Certificate: 2004-2019
Licensure Number: 35-085046
Date Issued: Initially issued 2004

Other Certifications, Course work, Clinical Trials

- Conducted phase II & III FDA trials on the efficacy of upper airway stimulation for the surgical treatment of OSA. FDA approval granted 2014.
- Certified in the implantation of vagal nerve FES devices in the treatment of Epilepsy and Depression (Cyberonics)
- Certified in [DaVinci] *Transoral Robotic Surgery (Intuitive)*
- *Course work:* Financial Accounting (2014) CSU Monte Ahuja School of Business. Grade: A

HONORS AND AWARDS

2012-2020 Castle Connolly Top Doctor, US

2015-2018 **Who's Who in America® 2015** (69th Edition Marquis Who's Who): For outstanding professional achievement.

2015/16 **Top Peer Reviewer, The Laryngoscope.**

2014 Featured in the Publication 'MD News' Nov/Dec 2014 Cleveland/Akron/Canton. The feature discussed the FDA approval of the surgically implanted electrostimulatory technology for the treatment of obstructive sleep apnea. Phase II and III trials were conducted at VA & UHCMC, respectively, with J. Baskin as a CoI.

2013-2014 Featured in the publication 'Forging Medicine's Future': University Hospitals Case Medical Center publication. The feature discussed JZB's role in the Phase III trial of surgically implanted technology for the treatment of sleep apnea.

- 2012** Featured in publication ‘**Innovations in Otolaryngology**’ *fall issue*. A publication of the department of Otolaryngology-Head & Neck Surgery at *University Hospitals Case Medical Center*. Article focused on JZB’s role in the phase II FDA trial of the surgically implanted treatment of sleep apnea.
- 2012** **Sleep fellow of the American Board of Otolaryngology**
- 2006--08** **Wallace H. Coulter award and fellowship for Translational Research.**
- 2007** Selected as one of “**30 in their thirties**” who is a leader in the biosciences in Ohio. May edition of “Accelerating Bioscience in Ohio” an Omeris publication
- 2007** **Biomaterials Research Awarded 2nd prize in Midwest-UPitt Otolaryngologic research forum**
- 2004** **AO/Synthes Craniomaxillofacial Fellow**
- 2003** **First Place Poster Award: COSM/ABEA combined poster session, Nashville, TN 2003.**
- 2003** **AAO-HNS Cherry Blossom Conference Award for Outstanding Resident Achievement** (award included full meeting and presentation support). Washington DC, 2003.
- 2002** **Triological Society Travel award, Eastern section.** In recognition of superior abstract submission and podium presentation. Philadelphia PA, 2002
- 1997** **NYU Honors Travel Award:** For presentation at the **Association for Research in Otolaryngology (ARO)** 1997.
- 1993-94** **Arid Lands Agronomy Fellow.** Sponsored by the *Arid Lands foundation* (now known as the Negev Foundation); Cleveland, OH.
- 1990-93** **Class Honors (>3.7 GPA). University of Michigan.**
- 1992** **American Heart Association Student Fellow.** Michigan affiliate. University of Michigan AHA Biomedical Research Award.
- 1990** **American Heart Association Student Fellow.** Northeast Ohio Affiliate.
- 1989** **Branstrom Freshman Prize.** Top 3% of freshman for the *University of Michigan* class of 1993.
- 1988** **Phi Beta Kappa.** Sole recipient of this recognition from the *Mesivta/HAC School*, Lyndhurst Ohio.

MEMBERSHIP IN PROFESSIONAL SOCIETIES

American Academy of Otolaryngology
American Academy of Sleep Medicine

Northeast Ohio Society of Otolaryngology-Head & Neck Surgery
American Society of Maxillofacial surgeons (past)

PROFESSIONAL SERVICES

Journal Editorial work

Journal: Annals of Otolaryngology, Rhinology, Laryngology
Role: **Associate Editor for Sleep Medicine & Surgery**
Dates of Service: 2018-present

Journal Reviewer

Journal: Sleep and Breathing
Dates of Service: 2006-present

Journal: Journal of Biomedical Materials Research
Dates of Service: 2007-present

Journal: Otolaryngology-Head & Neck Surgery (White Journal)
Dates of Service: 2007-present

Journal: Laryngoscope
Dates of Service: 2008-present

Journal: Biomedical Sciences: Implantology
Dates of Service: 2014-present

Advisory Roles

Title: Associate Director of Translation for APT Center (Advanced Platform Technology Center): I Advise Dr. Mark Walker, Michael Fu, & Adam Wendt on their translational project '**Virtual Reality Game Based Vestibular Rehabilitation System**'. I focused on issues related to product development and derisking strategies. 2020

Title: Associate Director of Translation for APT Center (Advanced Platform Technology Center): I Advise Dr. Steve Majerus on their translational project '**POC device for measuring the patency and function of Arterial-Venous fistulas for HD**'. I focused on issues related to market feasibility.

Title: Board member for CCTRP (Case Coulter Translational Research Partnership): I Advised Drs. James Basilion and Susann Brady-Kalnay on development of a '**Novel Positron Emission Tomography (PET) Imaging Agent for Tumor Detection**'. I focused on issues related to commercial feasibility and FDA related issues.

Dates of Service: 2017-19

Title: Board member for CCTRP: I Advised Drs. A. Weinberg and U. Gurkan on development of a company built on a product designed as a “**Point-of-Care Device for Screening and Diagnosis of Oral Cancer**”. I focused on issues related to the scientific underpinnings and regulatory compliance.

Dates of Service: 2017-18

Title: Board member for CCTRP: I Advised Drs. David L. Wilson and Robert C. Gilkeson on development of a product designed for “**Detection and quantification of coronary calcium from dual energy chest x-rays**”. I focused on issues related to commercial feasibility and regulatory compliance.

Dates of Service: 2015-16

Title: Board Member for CCTRP & Bioenterprise commercialization effort. I Advised Dr. D. Tyler on nascent company built around ‘**Dynamic Laryngo-Tracheal Closure to Prevent Aspiration**’. My focus was on helping the startup company determine whether their Functional electro-stimulatory implantable device had commercial viability. I focused on issues centered around science and market potential.

Dates of Service: 2011-13

COMMITTEE SERVICE

National & International

Organization: American Academy of Otolaryngology-Head & Neck Surgery

Committee Name/Role: Otolaryngology Veteran Affairs Committee

Dates of Service: 2017-present

Organization: National VA Sleep Practitioner Association

Committee Name/Role: Clinical algorithms/ sleep surgical recommendations

Dates of Service: 2015

Regional

Organization: Case Western Reserve University,

Committee/Board: Case Venture Mentor Program (CVMP)

Dates of Service: 2020-present

Organization: Case Western Reserve University, Office of Translation & Innovation (OTI)

Committee/Board: Board member

Dates of Service: 2019-present

Organization: Case (CWRU) Coulter Translational Research Partnership (CCTRP). Member Oversight Board/committee. Board member.

Dates of Service: 2013-present

Organization: Advanced Platform Technology Center:
Committee Name/Role: Emerging Materials and Prosthetic Technology Conference CoChair
Dates of Service: 2013

Hospital/Medical Center

Committee Name/Role: Chairman, APT Clinical Trials Safety Monitoring Committee
Committee member (in this Advanced Platform Technology monitoring committee) tasked with
monitoring the safety of all federally funded clinical trials under the APT umbrella
Dates of Service: 2012-Present

Committee Name/Role: CWRU Otolaryngology-HNS, Resident Admissions committee
Dates of service: 2005-Present

Committee Name/Role: Program Evaluation Committee: CWRU Otolaryngology-Head & Neck
Surgery. 2013-Present

Committee Name/Role: Dental Residency, Surgical/Otolaryngologic training: LSCVAMC,
VISN 10, Ohio.
Dates of Service: 2008-Present

Committee Name/Role: Search committee for the VA Service chief of Pathology & Laboratory
Medicine: LSCVAMC, VISN 10, Ohio.
Dates of Service: 2016-17

Committee Name/Role: Search committee for the VA Service chief of Surgery: LSCVAMC,
VISN 10, Ohio.
Dates of Service: 2013

Committee Name/Role: Voting member on the LSCVAMC R&D Committee
Dates of Service: 2008-11

Committee Name/Role: Chairman of committee for implementation of Cochlear Implantation
Program Launch: development and implementation of a new center of excellence , LSCVAMC
Dates of Service: 2011

Committee Name/Role: Creation of a Cleveland VA CarePath program: Chaired the committee
to create integrated and streamlined care for malnourished head & neck cancer veterans, VAMC
Dates of Service: 2009-10

Committee Name/Role: Chaired committee charged with overseeing the training of Respiratory
Therapists in the long term care of tracheostomized patients, VAMC
Dates of Service: 2010

Committee Name/Role: Faculty Council Liaison between the department of Otolaryngology-HNS and the CWRU School of Medicine

Dates of Service: 2005-09

Committee Name/Role: Internal Reviewer for the ACGME accreditation of the Department of Plastic and Reconstructive Surgery. CWRU School of Medicine

Dates of Service: 2009-10

Committee Name/Role: Board member. Executive Committee of Sleep Center, UHHS:

Dates of Service: 2005-08

Committee Name/Role: Compliance Officer for the Department of Otolaryngology-HNS, UHHS

Dates of Service: 2005-07

Committee Name/Role: Quality Assurance Officer for the Department of Otolaryngology-HNS, UHHS

Dates of Service: 2005-07

Educational Committees

Committee Name/Role: Gross Anatomy Teaching Committee Member: CWRU School of Medicine

Dates of Service: 2005-07

TEACHING ACTIVITIES

Curriculum/Course Development

1. CWRU Department of Otolaryngology-HNS Resident Education & Curriculum Committee: 2007-present
2. CWRU Department of Otolaryngology-HNS Residency core rotation scheduling committee: 2011-present

Presentations

1. Invited judge in Ohio Resident Research competition. Northeast Ohio Academy of Otolaryngology—Head & Neck Surgery, 2005.
2. ‘Nanophasic principals in the development of synthetic bone substitute materials’. Materials, Medicine, and Nanotechnology Summit. CCF & LCM, Cleveland OH, 2006
3. Interdisciplinary Problem-Solving in Craniomaxillofacial Surgery, Stryker [National] Educational Foundation: 2006

Lectures:

- Reconstituting orbital floor defects,

- Surgery for Obstructive Sleep Apnea.
- Panels:*

- Orbital and Zygomatic Trauma,
 - Obstructive Sleep Apnea Syndrome
4. Midwest Bioengineering Society Conference: Showcasing the future of Biomedical Engineering: 2007

Panel

- Translational Research
 - Bringing Research to Clinical Practice
5. 'Craniofacial surgery for congenital abnormalities' Otolaryngologic-HNS Grand Rounds: CWRU, 2007
6. 'Biomaterials in Craniofacial Surgery'. Invited judge and speaker in Midwest Resident Research competition, Midwest-UPitt Otolaryngologic research forum, 2007
7. AONA Principles of Operative Treatment of Craniomaxillofacial Trauma and Reconstruction, 2007

Lecture

- Frontal Sinus Trauma

Panel

- Mid- and upper face trauma

Laboratory

- Facial Plating
8. 'Introduction to Facial Trauma: Diagnosis and Treatment'. Lecture series given to new Otolaryngologic-Head & Neck Surgery residents. CWRU, 2008
9. 'Craniofacial surgery in the Pediatric Population'. 2 part lecture delivered annually to faculty & residents. Dept. of OTO-HNS CWRU, 2008
10. 'Surgery in the Treatment of Obstructive Sleep Apnea: When and how to intervene'. Regional CWRU sponsored conference *Sleep medicine for the Primary Care Physician*, Invited Faculty. 2008
11. 'Introduction to Facial Trauma Diagnosis and Treatment.' Lecture series given to new Otolaryngologic-Head & Neck Surgery residents. CWRU, 2009
12. 'Craniofacial surgery in the Pediatric Population' Department of Otolaryngology-Head & Neck Surgery. CWRU Dept. of OTO-HNS 2009
13. 'Facial trauma principles and skeletal fixation techniques', AO of North America. Invited Faculty: Cleveland OH 2009
14. 'Introduction to Facial: Trauma Diagnosis and Treatment' Lecture series given to new Otolaryngologic-Head & Neck Surgery residents. CWRU, 2010
15. 'Craniofacial surgery in the Pediatric Population' 2 part lecture delivered to faculty and residents. Department of Otolaryngology-Head & Neck Surgery. CWRU 2010
16. 'Facial Trauma and Reconstruction'. *Society of Otolaryngology-Head & Neck Surgical Nursing*: Guest of Cheryl Koliha-Brandt. Cleveland OH, 2010
17. 'Introduction to Facial: Trauma Diagnosis and Treatment' Lecture series given to new Otolaryngologic-Head & Neck Surgery residents. 2011

18. 'Physiology of the Upper Aerodigestive Tract'. Sleep Grand Rounds to the division of sleep medicine, Dept. of Pulmonology. CWRU 2011
19. 'Reconstructive surgery of the Face using loco-regional flaps.' 3 part lecture series given to faculty and residents. Department of Otolaryngology-Head & Neck Surgery. CWRU, 2011
20. 'Craniofacial surgery in the Pediatric Population.' 2 part lecture delivered to faculty and residents. Case Western Reserve University, Department of Otolaryngology-Head & Neck Surgery. 2011
21. 'Introduction to Facial: Trauma Diagnosis and Treatment.' Lecture series given to new Otolaryngologic-Head & Neck Surgery residents. CWRU, 2012
22. 'Anatomy & Physiology of the Upper Airway': 2 part lecture. Division of Sleep Medicine Dept. of Pulmonology, : Invited lecturer to Department of sleep medicine CWRU. 2012
23. 'Reconstructive surgery of the Face using loco-regional flaps' 3 part lecture series given to faculty and residents. CWRU, Department of Otolaryngology-Head & Neck Surgery. 2012
24. 'Otolaryngologic presentations of sleep disordered breathing in the geriatric patient'. Geriatric Research Education and Clinical Centers, VA, VISN 10. 2012
25. 'Introduction to Facial: Trauma Diagnosis and Treatment.' Lecture series given to new Otolaryngologic-Head & Neck Surgery residents. CWRU, 2013
26. 'Anatomy & Physiology of the Upper Airway': 2 part lecture, Case Western Reserve University Dept. of Pulmonology, Section of Sleep Medicine: Invited lecturer to Department of sleep medicine. CWRU, 2013
27. 'Reconstructive surgery of the Face using loco-regional flaps.' 3 part lecture series given to faculty and residents. Case Western Reserve University, Department of Otolaryngology-Head & Neck Surgery. 2013
28. 'Upper Airway Physiology, OSA, & Hypoglossal (airway) stimulation.' ENT Surgical Grand Rounds, CWRU. 2013
29. 'Introduction to Facial: Trauma Diagnosis and Treatment.' Lecture series given to new Otolaryngologic-Head & Neck Surgery residents. 2014
30. 'Anatomy & Physiology of the Upper Airway': 2 part lecture. Division of Sleep, Dept. of Pulmonology, CWRU 2014
31. 'Nursing Issues for the Otolaryngologic patient.' Lecture designed to instruct inpatient nurses at the LSCVAMC on important issues in caring for the ENT patient. 2014
32. 'Introduction to Facial: Trauma Diagnosis and Treatment.' Lecture series given to new Otolaryngologic-Head & Neck Surgery residents. 2015
33. 'Anatomy & Physiology of the Upper Airway: 2 part lecture. Invited lecturer to the division of Sleep Medicine, Dept. of Pulmonology. CWRU, 2015
34. 'Rhinoplasty: Endonasal approach and technique'. Lecture to Department of Otolaryngology-head & Neck Surgical department, CWRU, 2015
35. 'Introduction to Facial: Trauma Diagnosis and Treatment.' Lecture series given to new Otolaryngologic-Head & Neck Surgery residents. 2016
36. Invited judge in Ohio Resident Research competition. Northeast Ohio Otolaryngology-Head & Neck Surgery Society, 2017, Cleveland Ohio (invited by Dr. Reisman @ First Energy Stadium club).
37. 'Introduction to Facial: Trauma Diagnosis and Treatment.' Lecture series given to junior Otolaryngologic-Head & Neck Surgery interns/residents. 2017
38. 'Introduction to Facial: Trauma Diagnosis and Treatment.' Lecture series given to junior Otolaryngologic-Head & Neck Surgery interns/residents. 2018

39. 'Introduction to Facial: Trauma Diagnosis and Treatment.' Lecture series given to junior Otolaryngologic-Head & Neck Surgery interns/residents. 2019
40. Biomaterials in H&N surgery and reconstruction. Lecture series given to junior Otolaryngologic-Head & Neck Surgery interns/residents. 2020

Visiting Professorships

1. Adapting and Implementing Hierarchical Learning Ensembles: A New Pedagogy for Team-Building and Group Decision Making in Undergraduate Engineering and Science Education. Directed to high school, undergraduate, and graduate students; (funded with an NSF grant). John Carroll University, 2005.
2. Biomaterial Development. Visiting professor in undergraduate engineering school of Carnegie Mellon University (invited by Dr. J. Hollinger): 2008
3. Biomaterials in Craniofacial Surgery. Visiting professor, graduate engineering school, Carnegie Mellon University (invited by the department of BME): 2010
4. Biomedical Engineering BioDesign competition (BioDesign: The Art of Innovation, IIME 472A) : Invited reviewer/judge (by Collin Drummond). Department of Biomedical Engineering, Case Western Reserve University. 2017
5. Biomedical Engineering BioDesign competition (BioDesign: The Art of Innovation, IIME 472A): Invited reviewer/judge (by Collin Drummond). Department of Biomedical Engineering, Case Western Reserve University. 2019
6. Biomedical Engineering BioDesign competition (BioDesign: The Art of Innovation, IIME 472A) : Invited reviewer/judge (by Collin Drummond). Department of Biomedical Engineering, Case Western Reserve University. 2020

Trainees / Mentees

1. *Calli Vance*. Undergraduate Biomedical Engineering, CWRU. Senior BME project on the mechanical properties of the NBS material (>10 hours) 2005-06
2. *Katherine Hall* Otolaryngologic resident, CWRU. Mentorship for Otolaryngologic Grand Rounds: Velopharyngeal Insufficiency: Diagnosis & Treatment (3 hours) 2006
3. *Jennifer Hobohm*. Undergraduate Biomedical Engineering, CWRU. R&D training on mechanical testing of the NBS material. (>10 hours) 2008
4. *Lisa McHale* did her training on testing out various loading scenarios to optimize the NBS platform (> 10 hours) 2008
5. *Yohannes Soenjaya*. Undergraduate and Masters, Biomedical Engineering/Management, CWRU. In-vivo study of biomimetic composite materials as well as ex-vivo analysis of materials (>100 hours) 2006-09
6. *Seong Oh*. Medical Student, CWRU. Developing the rodent as a model to determine the extent to which the mandible can be structurally weakened without compromising masticatory & pharyngeal function (>40hours) 2007-09

7. *James McMasters*. Undergraduate Biomedical Engineering, CWRU. In-vivo study of biomimetic composite materials as well as ex-vivo analysis of materials (>100 hours) 2006-09
8. *Joe Chen* Undergraduate Biomedical Engineering, CWRU. Senior project on the flow through press. (> 10 hours) 2008-09
9. *Kali Knoll*. Undergraduate Biomedical Engineering, CWRU. BME R&D training on developing the flow through press (10 hours) 2009
10. *Keith Jarmusik* Undergraduate Biomedical Engineering, CWRU. Structural examination of nanophase collagen appatite composites (>10 hours) 2008-09
11. *Zhilei Shen*. Ph.D. Biomedical Engineering, CWRU. Structural examination of nanophase collagen appatite composites (40 hours) 2008-09
12. *Kali Knoll*. Undergraduate Biomedical Engineering, CWRU. R&D training project on the mechanical testing of nanophase bone substitute materials (>10 hours). 2010
13. *Yazan Dweiri*. Academic advisor to Mr. Dweiri during his MS degree in the neural engineering center in BME—Functional electro-stimulation strategies in the treatment of apnea. One of the committee members on Mr. Dweiri’s master’s thesis committee (>25 hours) 2009-11
14. *Babajide Falae*. Undergraduate Biomedical Engineering, CWRU. Mandible Parasymphiseal Lag Screw Positioning device (12 hours) 2009-11
15. *John Heaphy*. Otolaryngologic Resident, CWRU, Mentorship for Otolaryngologic Grand Rounds. Surgical treatment of the deficient nasal valve (3 hours) 2012
16. *John D. Cramer*. Medical Student, CWRU. Optical pharyngeal monitoring in Drug Induced Sleep Endoscopy. *Medical School thesis project (6 hours)*. 2011-12
17. *Catherine Weng* . Otolaryngologic Resident, CWRU. Mentorship on the subject of Facial Reanimation. Special topics in Facial Plastic Surgery (3 hours). 2013
18. *Jared VanLandingham*, CWRU. Senior design project on High pressure flow through press for doping biomaterials with bioactive molecules (14 hours) 2013
19. *Ryan Nord*. Otolaryngologic Resident, CWRU. Mentorship for Grand Rounds. Surgery for Obstructive Sleep Apnea—Beyond the UPPP (4 hours) 2014
20. *Catherine Weng* (Journal Club). Faculty mentorship for journal club with focus on sleep disordered breathing in children as well as hypoglossal stimulation. (3 hours) 2015
21. *Tammy Wang*. Otolaryngologic resident. Mentored Dr. Wang on her CWRU Grand Rounds presentation ‘Sleep studies (PSG) and surgical evaluation’ (5 hours) 2015
22. *Divya Venkat*. Sleep Medicine Fellow, CWRU. Improving pharyngeal muscle tone to decrease pharyngeal flaccidity. (12 hours) 2014-15
23. *Brandon White*. Undergraduate Biomedical Engineering, CWRU Advisee on ‘Functional Mandible Biomechanics Model in the rabbit’ as well as career issues related to Biomedical Engineering and Medicine (>50 hours). 2014-‘15
24. *Ryan Nord* Rhinoplasty: Endonasal Technique. CWRU ENT Resident Advisee (5 hours). 2015
25. *Brandon White*. *Masters thesis advisor and research mentor (>100 hours)* 2015-2017
26. *Akina Tamaki*. Otolaryngologic Resident. Faculty mentor for ‘Diagnosis and Management of Naso-Orbital-Ethmoid fractures’ (5 hours). 2018

27. *Post-graduate Dental Residents*, Clinical diagnostic and procedure Training. Cleveland VA Medical Center. This entails training post-graduate VA dental residents on dental manifestation of Otolaryngologic disease (Daily for 4 months out of every year) 2008-20
28. Yehe Liu. Case Venture Mentor Program (CVMP). Advising Yehe, a doctoral student in the CWRU school of Engineering, on work in the domain of tissue processing and optical imaging of pathology.

Teaching Administration

1. Assistant Residency Program Director: CWRU Otolaryngology-HNS: 2005-14
2. Committee member, Otolaryngology-HNS Resident work hour implementation. CWRU: 2014-15

Teaching Activities (courses)

1. EBME 305, CWRU SOE: ‘Materials for Prosthetic and Orthotic Use’. Lecture series on craniofacial biomaterials, 2005-**present** (3 hours/course)
2. Anatomy 516, CWRU SOM: Advance craniofacial anatomy. 7 hours/course, 2005-**present**

Lectures:

- Maxillofacial surgery
- The occlusion
- Craniofacial anomalies and disorders
- Surgical approaches to the craniofacial skeleton

Laboratories:

- Maxillofacial anatomy and surgery using the canine model
- Craniofacial anatomy and surgery using the canine model

3. CWRU Physician Assistant Training Program: Anatomy & Pathophysiology of the Ears, Nose, Throat/Head & Neck (part of PA403). A two part lecture series that introduces Otolaryngology-Head & Neck Surgery to PA students. 2018-**Present**.
4. EBME 380, CWRU SOE: ‘Design for Biomedical Engineers.’ In this course I advise senior BME students on medical device design. 10 hours/course, 2007-13.
5. Physical Diagnosis 301, CWRU SOM. 2005-14

RESEARCH SUPPORT

1. CoPI. Stimulation of the carotid sinus nerve to lower blood pressure via a reduction in sympathetic output. Industry sponsored research. Barologics. 2019-20. \$250,000
2. CoI: Clinical & Translational Science Collaborative. “Pressurized Perfusion to Activate Bone Substitute”. 2019 annual Pilot grant awardee. \$50,000. 5%
3. PI: VA Foundation Grant: ‘An animal model for quantifying the relationship between mechanical skeletal strength and physiologic function’. \$25,000/year (in addition to ARF support) X 1 year. Granted August, 2015-18. (15% effort)

4. 2. CoI: NIH SPARC grant: 'A Tool for Neurotherapeutic Therapy for Sleep Disordered Breathing'. \$100,000/year X 2 years. Granted Sept. 2015. (3% effort). Funded. PI: Kingman Strohl
5. 3. CoI: VA Merit review grant: VA RR&D SPiRE. 'Preclinical Model for rehabilitation of CPAP Intolerant obstructive sleep apnea'. \$200,000/year X 2 years. Submitted in the March cycle. Granted July, 2015 (3% effort) Funded. PI: Kingman Strohl
6. CoI: Phase III FDA STAR (Stimulation Therapy for Apnea Reduction). Investigated Hypoglossal stimulation coupled with respiratory pacing in the treatment of obstructive sleep apnea patients. Multicenter trial. Industry Funded: Inspire Medical Group.(20% effort) 2012-14
7. CoI: Phase II FDA trial: Investigated Hypoglossal/Respiratory pacing in the treatment of obstructive sleep apnea in CPAP resistant patients. Multicenter trial. Industry Funded: Inspire Medical Group (20%effort). 2010-11
8. CoPI: VA Foundation Grant: 'BMP-2 activity following Steric Interdigitation in Collagen Scaffolds. \$25,000. (10% effort) 2009-10
9. CoPI: Advanced Platform Technology Center Pilot grant. 'BMP2 Release Kinetics in Nanophase Bone Substitute material'. CoPIs: Jeffrey Hollinger, Steve Eppell. \$25,000. (10% effort) 2009-10
10. CoI: Wallace Coulter Foundation Translational Research Program (JZB was CoPI along with Steven J. Eppell). Development of a nanocomposite material for bone substitution. Year 1 (4/1/'06-6/30/'07): \$112,340. Years 2 &3 (4/1/'07-12/31/'08) \$123,889. (10% effort) 2006-09
11. CoPI: Presidential Research Award (Ohio Board of Regents via CWRU office of the president). 'Development of a nano-composite material for bone substitution'. \$80,000 divided over the 2 years. (10% effort). 2006-08
12. Consultant: Army Phase II SBIR. Bone substitute material as a platform for drug delivery. \$80,000. PI Steve Eppell. 2006-07
13. Consultant: Army Phase I SBIR. Bone substitute material as a platform for drug delivery. \$27,000. PI Steve Eppell. 2005-06

BIBLIOGRAPHY

Abstracts (presented at national meetings)

1. Koletsky RJ, Ernsberger P, **Baskin JZ**, Foley M. Abstract; Refeeding Hypertension in Obese SHR. Presented at the fall meeting of the Council for High Blood Pressure, American Heart Association, 1991.
2. Ernsberger P, Koletsky RJ, **Baskin JZ***, Foley M. Abstract; Weight Cycling in Obese SHR
3. **Baskin JZ** Abstract; The Role of Cholesterol in the Calcification of Cardiovascular Implants. Presented at the Michigan AHA, 1993.
4. **Baskin JZ**, Hausman J, Roland JT, Hillman DE. Abstract, Central auditory plasticity in aging. Presented at the ARO, St. Petersburg FL, 1997.
5. Stern RE, **Baskin JZ**, Greenfield BJ, Roland JT, Hillman DE. Abstract, Intensity-related central attenuation of rat auditory brainstem response. Presented at ARO, St. Petersburg FL, 1998.

6. **Baskin JZ**, Parks C, Panagopoulos G, Rothstein S, Komisar A. Abstract; Clinical outcomes for the elderly patient with respiratory failure receiving a tracheostomy. Podium presentation at the Eastern Section meeting of the Triologic Society, Philadelphia PA Jan., 2002
7. **Baskin JZ**, Parks C, Panagopoulos G, Komisar A. Abstract; Predicting outcome in elderly and severely ill patients with prolonged respiratory failure. Presented at COSM 2003—
Awarded first place prize in the COSM Combined poster session competition
8. **Baskin JZ**, Eppell SJ. Development of a Nanophase Biomimetic Material as a Load Bearing Cortical Bone Substitute. Conference Proceedings: 9th International Symposium of Facial Plastic and Reconstructive Surgery. Las Vegas 2006.
9. Barbu A, Eppell SJ, **Baskin JZ**. Development of a synthetic load-bearing bone substitute: Biocompatibility studies in the rat subdermal model. Abstract: The Triological Society, Chicago 2008.
10. **Baskin JZ**. Steric interdigitation of rhBMP2 in the Collagen D-staggered array. Presented at Research meeting of AAO-HNS, San Diego, 2009
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32. **Baskin JZ** White BM, Love, TE, VasANJI A, Eppell SJ, &. *Mandible Biomechanics and continuously erupting teeth: a new defect model for studying load-bearing bone substitutes & plates*. Pending review in *Journal of Biomedical Materials Research Part B*, Dec 2019 (currently working with editor on potentially delaying publication while we collect more data)

PATENTS:

1. BIOMATERIAL IMPLANTS: J Baskin, SJ Eppell, W Tong - US Patent App. 12/296,988, 2007
2. IP in preparation concerning novel electrode design and configuration for submillimeter cranial nerve branches.

*The name Jon S. Baskin mistakenly appears on this paper. It should read Jonathan Z. Baskin