

Curriculum Vitae
RANDALL A. BLY, MD

1. PERSONAL DATA

Place of birth: Cleveland, Ohio
Citizenship: USA

2. EDUCATION

2000 - 2004 B.S., Mechanical Engineering, Princeton University, Princeton, NJ
Certificate in Engineering Biology
Certificate in Materials Engineering
2005 - 2009 M.D., Stritch School of Medicine, Loyola University, Maywood, IL

3. POSTGRADUATE TRAINING

2004 – 2005 National Science Foundation International Research Fellow, Princeton University and Alexandria University
2009 - 2015 Otolaryngology Residency Program, University of Washington, Seattle, WA
2012 - 2013 National Institutes of Health Research Fellow, University of Washington, Seattle, WA, Departments of Electrical Engineering, BioRobotics Laboratory and Otolaryngology-Head and Neck Surgery
2015 - 2016 Pediatric Otolaryngology Fellowship, Seattle Children's Hospital, Seattle, WA

4. FACULTY POSITIONS HELD

2016 - 2017 Acting Assistant Professor, Department of Otolaryngology – Head & Neck Surgery, University of Washington, Seattle, WA
2016 - Adjunct Faculty, College of Engineering, University of Washington, Seattle, WA
2017 - Assistant Professor, Pediatric Otolaryngology, Department of Otolaryngology – Head & Neck Surgery, University of Washington, Seattle, WA

5. HOSPITAL POSITIONS HELD

2016 - Attending Physician, Division of Pediatric Otolaryngology
Seattle Children's Hospital, Seattle, WA

6. CURRENT EMPLOYMENT: N/A

7. HONORS

2011 1st place oral presentation: Slide Tracheoplasty to Repair Congenital Long Segment Tracheal Stenosis. Northwest Academy of Otolaryngology, Fascinating Cases in Otolaryngology. Seattle, WA
2011 3rd place oral presentation: Adjuvant Tracheotomy for Grizzly Bear Field Laryngopharyngectomy. Northwest Academy of Otolaryngology, Fascinating Cases in Otolaryngology. Seattle, WA
2013 The most outstanding clinical research presentation, presented by the American Academy of Facial Plastic and Reconstructive Surgery. Combined Otolaryngology Spring Meeting, Orlando, FL

- 2013 President Elect Award for outstanding poster presentation. Computer Planning in the Research, Analysis and Design of Skull Base Surgical Approaches. American Academy of Otolaryngology, Vancouver, BC, Canada.
- 2013 Resident Leadership Grant Award. American Academy of Otolaryngology—Head and Neck Surgery. Vancouver, BC, Canada.
- 2016 Alberta Corkery Fellowship Travel Award. Preoperative Imaging and Surgical Management of Frontonasal Dermoid Cysts: 15-year Experience at a Pediatric Tertiary Care Center. Combined Otolaryngology Spring Meeting, Chicago, IL

8. BOARD CERTIFICATIONS

- 2016 Diplomate, American Board of Otolaryngology

9. LICENSURE

- 2016- Washington State Medical License MD 60671186

10. PROFESSIONAL ORGANIZATIONS

- American Academy of Otolaryngology, Member
- International Society for the Study of Vascular Anomalies
- American Society of Pediatric Otolaryngology, Fellow Member
- American College of Surgeons, Fellow Member
- American Cleft Palate – Craniofacial Association, Member

11. TEACHING RESPONSIBILITIES (EDIT!)

- 2016- Resident teaching, Seattle Children’s Hospital
- 2016- Clinical teaching, Seattle Children’s Hospital

A. Fellow Research Mentor

- 2016 Ryan Mitchell & Neha Patel
- 2017 Erin Kirkham & Erin Padia

B. Resident Research Mentor

- Anthony Law, MD, PhD
- Lynn McGrath, MD (Neurosurgery)

C. Medical Student Mentor

- 2017 Zach Hill
- 2018 Lingga Addidharma

D. Invited Presentations (regional & national)

- 2016 Prenatal Diagnosis and EXIT Procedure for Vascular Anomalies. Vascular Anomaly Retreat. Seattle Children’s Hospital.
- 2017 Managing the Young Child with Chronic Nasal Discharge. 2017 Annual Pediatric Otolaryngology Update Meeting for Primary Care. Seattle Children’s Hospital.
- 2018 Vascular Anomaly Management in the Neonate. NICU Fellow Didactics
- 2017 Perioperative Management of Craniofacial Surgery: Cleft Palate. Pediatric Otolaryngology Nurse Practitioner Didactics
- 2017 Multidisciplinary engineering conference organizer: Innovations in Surgery and 3D Printing, May 16, 2017.

- 2017 Computer Model for Advanced Surgical Planning. Nov 2, 2017. Grand Rounds, Seattle Children's Hospital.
- 2017 Navigation and Technology in Sinus Surgery. November 15, 2017. Leslie Watson Sinus Surgery Course.
- 2018 Advanced Surgical Planning and 3D Printing for Vascular Anomaly Treatment. Nov 29, 2017. Vascular Anomaly Retreat. Seattle Children's Hospital.
- 2017 Airway Evaluation and Management in Treacher Collins Syndrome. Dec 4, 2017. Craniofacial Retreat, University of Washington.
- 2018 Pediatric Skull Base Pathology. April 18, 2018. Grand Rounds, University of Washington.

E. Recent CME

- 2017 Northwest Academy of Otolaryngology Biannual conference
- 2018 American Cleft Palate Association Annual Meeting
- 2018 American Society of Pediatric Otolaryngology, Spring Meeting
- 2018 International Society for the Study of Vascular Anomalies Primer Course
- 2018 European Society of Pediatric Otorhinolaryngology (ESPO)
- 2018 American Society of Pediatric Otolaryngology, Summer Meeting

12. EDITORIAL RESPONSIBILITIES

- 2016- Guest Reviewer, International Journal Pediatric Otolaryngology
- 2016- Guest Reviewer, Laryngoscope

13. SPECIAL NATIONAL RESPONSIBILITIES

- 2017 Represented Seattle Children's Hospital at Vascular Anomalies Task Force at upcoming American Society of Pediatric Otolaryngology annual conference in Austin, Texas
- 2017 Ad Hoc Reviewer, NIH study section: Bioengineering, Technology, and Surgical Sciences (BTSS), Bethesda, MD.

14. SPECIAL LOCAL RESPONSIBILITIES

15. RESEARCH FUNDING

A. Current

- 2017-2018 CoMotion Innovation Award
Smartphone Based Endoscopy for Otolaryngology (\$50,000)
PI: Randall Bly, MD
Collaborator: Anthony Law, MD, PhD
- 2017-2018 Amazon Catalyst Grant
Smartphone Based Pupillometry (\$25,000)
PI: Randall Bly, MD
Collaborator: Anthony Law, MD, PhD, Lynn McGrath, MD

B. Past

- 2013-2014 UWHA Grant Recipient
Computer Modeled Multiportal Approaches to the Skull Base (\$800)
PI: Randall A. Bly MD
- 2013-2014 AAO-HNSF Resident Research Grant

Computer Modeled Multiportal Approaches to the Skull Base (\$9,735)
PI: Randall A. Bly MD

2013-2014 Coulter Foundation - Translational Research Grant
Computer Model for Advanced Pre-Operative Surgical Planning (\$100,000)
PI: Blake Hannaford, PhD and Kris Moe, MD
Collaborators and Key Personnel: Randall Bly, MD, Howard Chizeck, ScD,
Manny Ferriera, MD, Thomas Lendvay, MD

2013-2015 NIH R21, Grant Number: 1R21EB016122-01A1
Computer Modeled Multiportal Approaches to the Skull Base (\$271,894)
PI: Blake Hannaford, PhD and Kris Moe, MD
Collaborators and Key Personnel: Randall Bly, MD, Howard Chizeck, ScD,
Manny Ferriera, MD, Thomas Lendvay, MD

16. BIBLIOGRAPHY

A. Publications in Refereed Journals

1. **RA Bly**, Y Cao, WA Moore and WO Soboyejo. Investigation of the effects of alkane phosphonic acid/RGD coatings on cell spreading and the interfacial strength between human osteosarcoma cells and Ti-6Al-4V. *Materials Science and Engineering: C*. 2007 Jan;27(1):83-9.
2. Cao Y, **Bly R**, Moore W, Gao Z, Cuitino AM, Soboyejo W. Investigation of the viscoelasticity of human osteosarcoma cells using a shear assay method. *Journal of Materials Science: Materials in Medicine*. 2007 Jan;18(1):103-9.
3. **Bly R**, El-Backly R, Chen J, Saad M, AlKhodary M, Fatta M, Moore W, Arnold C, Marei M, Soboyejo W. In-vivo study of adhesion and bone growth around implanted laser groove/RGD-functionalized Ti-6Al-4V pins in rabbit femurs. *Materials Science and Engineering: C*. 2011 31(5): 826-832.
4. **Bly RA**, Su D, Hannaford B, Ferreira M, Moe KS. Computer Modeled Multiportal Approaches to the Skull Base. *Journal of Neurological Surgery: Skull Base*. (2012): 73(06), 415-423.
5. **Bly RA.**, Chang SH., Cudejkova M., Liu JJ, Moe KS. Computer-Guided Orbital Reconstruction to Improve Outcomes. *JAMA Facial Plastic Surgery*, 15(2), (2013): 113-120.
6. **Bly RA**, Ramakrishna R, Ferreira M, Moe KS. Lateral Transorbital Neuroendoscopic Approach to the Lateral Cavernous Sinus. *Journal of Neurological Surgery: Skull Base*. (2014); 75(1), 11-17.
7. **Bly RA**, Bly EG. Consult Courtesy. *Journal of Graduate Medical Education*, 5(3), (2013): 533-534.
8. **Bly RA**, Su D, Lendvay TS, Friedman D, Hannaford B, Ferreira M, Moe KS. Multiportal Robotic Access to the Anterior Cranial Fossa A Surgical and Engineering Feasibility Study. *Otolaryngology--Head and Neck Surgery*, 149.6 (2013): 940-946.

9. Aghdasi N, Li Y, Berens A, Moe KM, **Bly RA**, Hannaford B. Atlas and feature based 3D pathway visualization enhancement for skull base pre-operative fast planning from head CT. *SPIE Medical Imaging, Proc. International Society for Optics and Photonics*. 9415(19), 2015.
10. **Bly RA**, Morton RP, Kim LJ, Moe KS. Tension Pneumocephalus after Endoscopic Sinus Surgery A Technical Report of Multiportal Endoscopic Skull Base Repair. *Otolaryngology--Head and Neck Surgery*, 151(6), (2014): 1081-1083.
11. Aghdasi N, **Bly RA**, White LW, Hannaford B, Moe KS, Lendvay TS. Crowd-sourced assessment of surgical skills in cricothyrotomy procedure. *Journal of Surgical Research*. 2015 Jun 15;196(2):302-6.
12. Ramakrishna R, Kim LJ, **Bly RA**, Moe KS, Ferreira M. Transorbital Neuroendoscopic Surgery for the Treatment of Skull Base Lesions. *Journal of Clinical Neuroscience*. 2016 Feb;24:99-104. doi: 10.1016.
13. **Bly RA**, Bhrary AD, Murakami C, Sie K. Microtia Reconstruction. *Facial Plastic Surgery Clinics of North America*. 2016 Nov;24(4):577-591. doi: 10.1016.
14. **Bly RA**, Perkins J, Parikh, SR. Can topical beta blockers reduce the size of superficial infantile hemangiomas of the head and neck? *The Laryngoscope*. 2017 Jan;127(1):4-5. doi: 10.1002.
15. Harbison RA, Berens AM, Li Y, **Bly RA**, Hannaford B, Moe KS. 2016. *Region-Specific Objective Signatures of Endoscopic Surgical Instrument Motion: A Cadaveric Exploratory Analysis*. *Journal of Neurological Surgery Part B: Skull Base*. 2017 Feb;78(1):99-104. doi: 10.1055.
16. Berens AM, Harbison RA, Li Y, **Bly RA**, Aghdasi N, Ferreira Jr M, Hannaford B, Moe KS. Quantitative Analysis of Transnasal Anterior Skull Base Approach: Report of Technology for Intraoperative Assessment of Instrument Motion. *Surgical Innovation*. 2017 Aug;24(4):405-10. doi: 10.1177/1553350617702307.
17. Harbison RA, Li Y, Berens AM, **Bly RA**, Hannaford B, Moe KS. An Automated Methodology for Assessing Anatomy-Specific Instrument Motion during Endoscopic Endonasal Skull Base Surgery. *Journal of Neurological Surgery Part B: Skull Base*. 2017 Jun;78(03):222-6.
18. Li Y, **Bly RA**, Harbison RA, Humphreys IM, Whipple ME, Hannaford B, Moe KS. Anatomical Region Segmentation for Objective Surgical Skill Assessment with Operating Room Motion Data. *Journal of Neurological Surgery Part B: Skull Base*. 2017 Jul 31.
19. Patel NA, Perkins JA, **Bly RA**. Vascular Malformations. *Current Otorhinolaryngology Reports*. 2017 Nov 11. Doi: 10.1007/s40136-017-0174-0.
20. Callahan E, **Bly RA**, Johnson K, Aghdasi N, Hannaford B, Moe K, Sardesai MG. Wrist Motion Variation between Novices and Experienced Surgeons Performing Simulated Airway Surgery. *OTO Open*. 2017 Nov;1(4):2473974X17738959.
21. Patel NA, **Bly RA**, Adams S, Carlin K, Parikh SR, Dahl JP, Manning S. A clinical pathway for the postoperative management of hypocalcemia after pediatric thyroidectomy reduces blood draws. *International Journal of Pediatric Otorhinolaryngology*. 2018 Feb 1;105:132-7.

22. **Bly RA**, Holdefer RN, Slimp J, Kinney GA, Martinez V, Manning SC, Perkins JA. Preoperative Facial Nerve Mapping to Plan and Guide Pediatric Facial Vascular Anomaly Resection. *JAMA Otolaryngology—Head & Neck Surgery*. 2018 Mar 29.
23. Hopper RA, Kapadia HP, Susarla SM, **Bly RA**, Johnson K. Counterclockwise Craniofacial Distraction Osteogenesis (C3DO) for tracheostomy dependent children with Treacher Collins syndrome. *Plast Reconstr Surg*, 2018 Aug 1;142(2):447-57.
24. Montague GL, **Bly RA**, Nadaraja GS, Conrad DE, Parikh SR, Chan DK. Endoscopic percutaneous suture lateralization for neonatal bilateral vocal fold immobility. *International Journal of Pediatric Otorhinolaryngology*. Vol 108, May 2018, pp. 120–124.
25. Aghdasi N, Whipple M, Humphreys IM, Moe KS, Hannaford B, **Bly RA**. Automated Surgical Approach Planning for Complex Skull Base Targets: Development and Validation of a Cost Function and Semantic Atlas. *Surgical Innovation*. 2018 Jun 1:1553350618782287.
26. Coppess S, Padia R, Horn DL, Parikh SR, Inglis AF, **Bly RA**, Dahl JP, Dudley D, Johnson KE. Standardizing Laryngeal Cleft Evaluations: Reliability of the Interarytenoid Assessment Protocol. In press *Otolaryngology—Head and Neck Surgery (OTO)* 2018.
27. Saxena RC, Friedman S, **Bly RA**, Otjen J, Alessio A, Li Y, Hannaford B, Whipple M, Moe KS. Surgical Planning in Rhinoplasty: Visualization of Nasal Cartilage on Micro-CT and Clinical CT Protocols. *JAMA – Facial Plastic Surgery*. In press.
28. Whipple ME, Law AB, **Bly RA**. A Model to Analyze the Application Process for Competitive Residencies. *Journal of Graduate Medical Education*. In press.
29. Coppess S, Padia R, Horn D, Parikh SR, Inglis A, **Bly RA**, Dahl JP, Dudley D, Johnson KJ. Standardizing Laryngeal Cleft Evaluations: Reliability of the Interarytenoid Assessment Protocol. *Otolaryngology—Head and Neck Surgery (OTO)*. In press.

B. Book Chapters

1. **Bly RA**, Parikh SR. *Neck Masses and Adenopathy*. Pediatric Otolaryngology (pp. 251-270). American Academy of Pediatrics; 2012.
2. **Bly RA**, Moe KM. *Transorbital Skull Base Surgery*. Recent Advances in Otolaryngology Head and Neck Surgery. Chapter 14, pp. 219-253, Jaypee Brothers; Apr 2012.
3. **Bly RA**, Parikh SR. *Rhinologic and Skull Base Tumors*. Pediatric Otolaryngology - Head and Neck Surgery: A Clinical Reference Guide, Plural Publishing (pp. 315-322); Jan 2014.
4. Miller C, **Bly R**, Sie KCY. *Management of Aural Atresia*. Modern Microtia Reconstruction. Ed. John Reinisch. In Press.
5. **Bly R**, Shivaram G, Monroe E. *Evidence-Based Management of Head and Neck Vascular Anomalies-Evidenced Based Evaluation and Treatment of Head and Neck Vascular Anomalies*. Springer Nature. In Press. Mar 2018.

6. Monroe E, **Bly R**, Shivaram G, Perkins J. *Evidence-Based Management of Head and Neck Vascular Anomalies- Head and Neck Lymphatic Malformation Diagnosis and Treatment*. Springer Nature. In Press. Mar 2018.
7. Miller C, **Bly R**, *Evidence-Based Management of Head and Neck Vascular Anomalies- Parotid and Deep Vascular Tumors*. Springer Nature. In Press. Mar 2018.
8. Padia R, **Bly R**, Bull C, Geddis A, Perkins J. *Medical Management of Vascular Anomalies*. Springer Nature. Mar 2018.

C. Published Books, Videos, Software, etc.

D. Other Publications

E. Manuscripts Submitted

F. Abstracts

1. Y Li, RA Harbison, **RA Bly**, IM Humphreys, B Hannaford, K Moe. *Atlas Based Anatomical Region Segmentation for Minimally Invasive Skull Base Surgery Objective Motion Analysis*. Journal of Neurological Surgery Part B: Skull Base 78 (S 01), A146.
2. Purcell P, **Bly RA**, Manning JP, Manning S. *Preoperative imaging and surgical management of frontonasal dermoid cysts: 15-year experience at a pediatric tertiary care center*. Combined Otolaryngology Spring Meeting, May 18-20, 2016, Chicago, IL (poster presentation).
3. KS Moe, LK Kim, C Snyderman, **R Bly**, LN Sekhar. *Development of a Pathway Protection Device for Endoscopic Skull Base Surgery*. Journal of Neurological Surgery Part B: Skull Base 77 (S 01), A144.
4. EJ Callahan, **R Bly**, K Moe, K Johnson, N Aghdasi, I Bohannon, B Hannaford, MG Sardesai. *Wrist Motion Variation Between Novices and Experienced Surgeons Performing Simulated Airway Surgery*. Journal of Investigative Medicine; 64 (1), 197-197.
5. **RA Bly**, L White, D D'Auria, N Aghdasi, P Bartell, LL Cheng, B Hannaford. *Cricothyrotomy simulator with computational skill assessment for procedural skill training in the developing world*. Otolaryngology-Head and Neck Surgery (vol 149, pg P60, 2013).
6. A Berens, J White, R Harbison, **RA Bly**, KS Moe, M Ferreira, S Newman. *Endoscopic Skull Base Surgery Kinetics: A Novel Approach to Instrument Motion Analysis*. Journal of Neurological Surgery Part B: Skull Base 76 (S 01), P065.
7. Sen R, Saxena RC, Aghdasi N, Li Y, **Bly R**, Gardner P, Snyderman C, Moe KS. *Contralateral Transmaxillary Corridor: Surgical Planning and Pathway Analytics*. Journal of Neurological Surgery Part B: Skull Base. 2018 Feb;79(S 01):A068.
8. Akkina SR, **Bly RA**, Moe KS. *Surgical Navigation and Mirror Image Overlay: A Novel Approach for Orbital Reconstruction after Skull Base Tumor Resection*. Journal of Neurological Surgery Part B: Skull Base. 2018 Feb;79(S 01):A066.

9. Li Y, **Bly R**, Whipple M, Humphreys I, Hannaford B, Moe K. *Use Endoscope and Instrument and Pathway Relative Motion as Metric for Automated Objective Surgical Skill Assessment in Skull Base and Sinus Surgery*. Journal of Neurological Surgery Part B: Skull Base. 2018 Feb;79(S 01):A194.
10. Li Y, **Bly R**, Whipple M, Humphreys I, Hannaford B, Moe K. *Surgical Motion-Based Automatic Objective Surgical Completeness Assessment in Endoscopic Skull Base and Sinus Surgery*. Journal of Neurological Surgery Part B: Skull Base. 2018 Feb;79(S 01):P193.

G. Patents

1. KS Moe, **R Bly**, B Hannaford. Instrument Organization Systems and Associated Methods. US Patent 20,150,297,295 (10/11/2015).
2. **R Bly**, B Hannaford, KS Moe. Methods And Systems For Selecting Surgical Approaches. US Patent 20,150,297,309 (10/22/2015).
3. B Hannaford, KS Moe, **RA Bly**. Soft tissue shield for trans-orbital surgery. US Patent 9,011,326 (4/21/2015).
4. E Chen, A Kim, C Lam, B Hannaford, **RA Bly**. Surgical tissue protection sheath. US Patent 8,986,201 (3/24/2015).
5. KS Moe, **R Bly**, B Hannaford. Surgical instrument input device organization systems and associated methods. US Patent No. 9,498,194 (11/11/2016).
6. A Harbison, **R Bly**, K Moe, J Houlton, B Hannaford. Computer-assisted Maxillary Reconstruction // Provisional Patent Application. Prov 47713.01 (5/26/2016).
7. Law A, Berens A, Miyasaka M, **Bly R**, inventors; University of Washington, assignee. Phone Adapter for Flexible Laryngoscope and Rigid Endoscopes. United States patent US 20,170,273,539. (09/28/2017).
8. Chen E, Kim A, Lam C, Hannaford B, **Bly RA**, Ciporen J, Moe K, Kim L, Sekhar L, inventors; Spiway Llc, assignee. Surgical tissue protection sheath. United States patent US 9,949,621. (04/24/2018).
9. KS Moe, **R Bly**, B Hannaford. Instrument Organization Systems and Associated Methods. US Patent 9, 962,230 (05/08/2018).
10. G Lorimer, D Castronovo, N Huie, A Abushaev, KS Moe, **R Bly**. Universal Surgical Floating Retraction System. United States Patent Application No. 62/676,387. (5/25/2018).

17. **National and international invitational lectures**

30. **Bly RA**, Marei MK, Soboyejo W. *In-vivo study of adhesion and bone growth around implanted laser groove/RGD-functionalized Ti-6Al-4V pins in rabbit femurs*. US/Africa

Workshop on Frontiers in Materials Research and Education. Abuja, Nigeria, January 2007.

31. **Bly RA**, Su D, Hannaford B, Ferreira Jr M, Moe KS. *Computer Modeled Multiportal Approaches to the Skull Base*. 5th World Congress for Endoscopic Surgery of the Brain, Skull Base, and Spine, Vienna, Austria, Mar 29-Apr 1, 2012.
32. **Bly RA**, Su D, Hannaford B, Ferreira Jr M, Moe KS. *Computer Modeled Multiportal Approaches to the Skull Base*. 22nd North American Skull Base Society Annual Meeting, Las Vegas, NV, Feb 15-18, 2012.
33. **Bly RA**, Chang SH, Cudejkova M, Liu JJ, Moe KS. *Computer-Guided Orbital Reconstruction to Improve Outcomes*. Combined Otolaryngology Spring Meeting, Orlando, FL: Apr 9-14, 2013.
34. **Bly RA**, Morton RP, Kim LJ, Moe KS. *Tension Pneumocephalus after Endoscopic Sinus Surgery: A Technical Report of Multiportal Endoscopic Skull Base Repair*. Otolaryngology--Head and Neck Surgery 149 (2 suppl), P43-P43. 2013. Presented at AAO-HNSF Annual Meeting; September 29 to October 3, 2013; Vancouver, BC, Canada.
35. **Bly RA**, Su D, Lendvay T, Friedman D, Hannaford B, Ferreira M, Moe KS. *Multiportal Robotic Access to the Anterior Cranial Fossa: An Engineering and Surgical Feasibility Study*. Otolaryngology--Head and Neck Surgery 149 (2 suppl), P70-P71. 2013. AAO-HNSF Annual Meeting; September 29 to October 3, 2013; Vancouver, BC, Canada.
36. White L, **Bly RA**, D'auria D, Aghdasi N, Bartell P, Cheng LL, Hannaford B. *Cricothyrotomy Simulator with Computational Skill Assessment for Procedural Skill Training in the Developing World*. Otolaryngology--Head and Neck Surgery 149 (2 suppl), P60-P60. 2013. AAO-HNSF Annual Meeting; September 29 to October 3, 2013; Vancouver, BC, Canada.
37. **Bly RA**, Shivaram G, Perkins JA. *Evidence Based Treatment for Vascular Anomalies; Venous Malformations*. Combined Otolaryngology Spring Meeting, May 18-20, 2016, Chicago, IL.
38. **Bly RA**, Holdefer R, Slimp J, Kinney GA, Martinez V, Inglis A, Manning SC, Perkins JA. *Preoperative facial nerve mapping to plan and guide pediatric facial vascular anomaly resection*. Combined Otolaryngology Spring Meeting, May 18-21, 2017, Austin, TX.
39. **Bly RA**. *Robotics in Skull Base Surgery*. International Conference on Intelligent Robots and Systems, Vancouver, British Columbia, September 24, 2017.
40. **Bly RA**, Traudt C, Goldberg M, Perkins JA, Dighe M, Cheng E. *Prenatal Low-Dose CT Scan to Guide Treatment for Fetal Skeletal Abnormalities*. ACMG Annual Clinical Genetics Meeting, Charlotte, NC. April 10-14, 2018.
41. **Bly RA**. *Interpreting the Instrumental Evaluation of Velopharyngeal Function*. American Cleft Palate Association's 75th Annual Meeting, Pittsburgh, PA. April 12, 2018.
42. Perkins JA, **Bly RA**, Bennett J. *Exome Sequencing of Surgically Resected Extracranial Arteriovenous Malformations*. American Society of Pediatric Otolaryngology Annual Meeting. National Harbor, MD. April 20-22, 2018.

43. Coppess S, Padia R, Horn D, Parikh S, Inglis AF, **Bly RA**, Dahl J, Dudley D, Law A, Johnson K. *Standardizing Laryngeal Cleft Evaluations: Feasibility & Reliability of the Inter-Arytenoid Assessment Protocol*. American Society of Pediatric Otolaryngology Annual Meeting. National Harbor, MD. April 20-22, 2018.
44. Miller C, **Bly RA**, Sie KCY. *Multi-center inter-rater reliability in the endoscopic assessment of velopharyngeal function using a video instruction tool*. American Society of Pediatric Otolaryngology Annual Meeting. National Harbor, MD. April 20-22, 2018.
45. Czechowicz J, **Bly RA**, Ganti S, Perkins JA, Balkin D, Frieden I, Rosbe K. *Airway hemangiomas in PHACE Syndrome: A Multicenter experience*. 22nd International Workshop on Vascular Anomalies, Amsterdam, Netherlands, May 29-June 1, 2018.
46. Perkins JA, Theeuwens H, Ganti S, **Bly RA**, Monroe E, Shivaram G, Vaidya, Ghodke R, Oron A, *Pre-operative percutaneous n-BCA glue embolization of truncal and extremity venous malformations: technique, safety, and clinical outcomes*. 22nd International Workshop on Vascular Anomalies, Amsterdam, Netherlands, June 1, 2018.
47. Herlihy E, Atmakuri M, Patel N, Hicks K, Ganti S, Gupta D, Oron A, **Bly RA**, Perkins JA. *Improved Outcomes of Periocular Infantile Hemangiomas Treated with Propranolol*. 22nd International Workshop on Vascular Anomalies, Amsterdam, Netherlands, May 29-June 1, 2018.
48. **Bly RA**, Moe KS, Ganti S, Parikh S, Shivaram G, Monroe E, Perkins, JA. *Endoscopic Surgical Approaches to Manage Skull Base Vascular Anomalies*. 22nd International Workshop on Vascular Anomalies, Amsterdam, Netherlands, May 29-June 1, 2018.
49. **Bly RA**, Perkins JA. *Glue Embolization and Facial Nerve Mapping in the treatment of cervicofacial vascular anomalies*. June 2018. ESPO 2018 Professorial Update on Vascular Anomalies, Stockholm, Sweden.
50. **Bly, RA**. Pediatric Sinonasal Skull Base Tumors. ASPO Frontiers in Pediatric Otolaryngology. June 17, 2018, Vail, Colorado.
51. **Bly, RA**. Novel Imaging Techniques in Pediatric Otolaryngology. ASPO Frontiers in Pediatric Otolaryngology. June 17, 2018, Vail, Colorado.