

# **BAYLOR COLLEGE OF MEDICINE CURRICULUM VITAE OUTLINE**

## **PERSONAL STATEMENT:**

I am a clinician educator who is passionate about improving education and instruction fully utilizing technological advances to create robust, interactive learning environments using the latest advances in technology including the field of AI in Health Professions Education (HPE). I developed this passion while attending the Harvard Macy course on Teaching with Technology in Virtual Environments course. I am now serve as faculty on this course for the last 4 years which has enabled me to inspire and mentor others in a way similar to what I experienced. My approach to technology integration has been to use pedagogy informed methods in educational innovations. I am a passionate educator and have conducted workshops on applying AI research tools for conducting research and utilizing these tools for automation of daily tasks. As an educational leader as Co-Director of Faculty College and Chair of the **AI Committee for Excellence in Education Research and Scholarship in HPE (ACERS)** within the Huffington Department of Education Innovation and Technology (HDEIT), my aim is to provide AI solutions to manage everyday challenges faced by HPE. I am actively involved in teaching a wide variety of learners from medical students to faculty, parents and caregivers using innovative technological approaches and seek to develop interventions that will address everyday challenges with evidence informed approaches.

## **GENERAL BIOGRAPHICAL INFORMATION**

### **A. Personal**

1. Jennifer Christina Benjamin

### **B. Education (include institution/location, degree, and dates of attendance)**

1. Undergraduate Education
2. **Medical Education or Graduate Education** (include thesis/dissertation title, advisor)  
Christian Medical College Vellore, The Tamil Nadu Dr.MGR University, MBBS  
June 1994 - June 1999
3. **Postgraduate Training (residency, clinical/research fellowship, etc.; source of support, advisor, if applicable)**
  - Internship - Christian Medical College Hospital June 1999- June 2000
  - Member of the Royal College of Pediatrics and Child Health (**MRCPCH**)– London England (August 2004- June 2008)
  - Residency and Specialist Trainee in various London Hospitals August 2003- May 2012
  - Residency – Pediatrics – MetroHealth Medical Center, Case Western Reserve University Nov.2012 – Nov 2014
  - Fellowship Training – Academic General Pediatrics – Nationwide Children’s Hospital, Columbus, Nov 2014- Nov 2016
  - Masters in Medical Science (**MS**) – Ohio State University, Columbus, OH Nov. 2014 – Nov. 2016

### **C. Academic Appointments (include title and dates of appointment)**

1. **Current Faculty Position(s) at BCM:**  
Associate Professor – Academic General Pediatrics, Complex Care November 2022 to current  
Associate Professor Huffington Department of Education Innovation and Technology
2. **Previous Faculty Position(s) at BCM:**  
Assistant Professor – Academic General Pediatrics, Complex Care November 2016 to Nov. 2022  
Assistant Professor Huffington Department of Education Innovation and Technology
3. **Previous Faculty Position(s) at Other Institutions**  
**Specialist Trainee 3** – (Hospitalist equivalent) – University College London Hospital Endocrinology and Adolescent Medicine (March 09-August 09)  
Ealing General Hospital – Specialist Trainee ST4-5 (Pediatric Hospitalist) Sept 2009 – August 2011
4. **Faculty Appointments at Other Institutions while at BCM:**  
Harvard Macy Institute Faculty Facilitator for the Transforming your Teaching for the Virtual Environment – (8-week virtual course) (2019-Current)  
Faculty Guest lecturer for Moorehouse College Course on AI October 2024 – current

**D. Other Advanced Training/Experience (include locations, dates, and sources of support)**

1. Formal Sabbatical Leave: NA
2. Other Specialized Training Following Academic Appointment:
  - Harvard Macy Scholar October 2018 – supported by TCH Educational Grant
  - Co-Director Faculty College Texas Children's Hospital
  - Director for Technology – Center for Research Innovation and Scholarship in Health Professions Education
  - AI Thread Director – School of Medicine
  - Chair AI Committee for Excellence in Education Research and Scholarship in HPE (ACERS)

**E. Other Information**

1. **Honors or Awards (titles, dates)**
  - Norton Rose Fulbright Teaching and Evaluation Award Spring 2022
  - Outstanding educational scholarship at Educational Retreat 2020 Baylor College of Medicine  
**Benjamin J.** Flores S, Jain P, Thammasitboon S. The Virtual Deliberate Practice Module for Procedural Skills Training.
  - Outstanding Project Award at Pediatric Academic Society Conference, Baltimore Maryland at PAS meeting for education using simulation May 2019
  - Texas Children's Hospital Educational Scholarship Award, Baylor College of Medicine June 2017
  - Resident teaching award – Metro Health, Case Western Reserve University- June 2014
  - Certificate of Excellence First place in Pediatric Research Day Metro Health -June 2014
  - Second prize Biannual Audit Presentation Hammersmith Hospital, London – January 2005
  - Certificates of honor and proficiency in Community Medicine, ENT, Forensic Medicine Ophthalmology at Christian Medical College, India June 2000

2. **Board Eligibility/Certification (dates)**

American Board of Pediatrics Board Certified since October 2015

Texas Medical Board Q9954 Since November 2016

3. **Other Non-academic Positions (include locations, titles, dates of employment)**

- Director of Technology for Center for Research Innovation and Science in Medical Education (CRIS) Baylor College of Medicine
- Co- Director for Faculty College CRIS, Texas Children’s Hospital, September 2020 – Ongoing
- Huffington Department of Education Innovation and Technology, Leader for E-learning and Digital Education Baylor College of Medicine, January 2021 – Current
- Academic Pediatric Association APA SIG Co-Chair – E- learning May 2019- 2022
- Academic Pediatric Association APA SIG Co Chair – Medical Student Education May 2019- 22
- Global Tracheostomy Collaborative GTC – Member of Educational Committee January 2020 (ongoing)
- Associate Fellow Association of Medical Educators of Europe - AMEE November 2020 (ongoing)
- Texas Pediatric Society TPS- Member of Committee for Children with Disabilities

**II. RESEARCH INFORMATION**

**A. Research Support (provide the following information for each project)**

**ACTIVE RESEARCH SUPPORT (list all active projects)**

1. **Technical Title of Project: The Virtual Deliberate Practice Module for Procedural Skills Training**

Name of Funding Agency NA

Specify Grant, Contract or Other IRB H41428

Grant Number (if applicable)

Investigator Relationship or Role on Project (PI, co-PI, Fellow, etc.) PI

Dates of Funding NA

Annual Direct Cost and Direct Cost for Entire Funding Period: NA

2. **Technical Title of Project: Improving Hurricane Preparedness of Families Caring for Children with Medical Complexity**

Name of Funding Agency ASPR

Specify Grant, Contract or Other IRB H41430

Grant Number (if applicable) . 6 U3REP220671

Investigator Relationship or Role on Project PI, collaborator on ASPR grant

Dates of Funding: October 2023 7.2 million USD to-date

3. **Technical Title of Project: Improving access to scientific tools using technology** Name of Funding Agency NA

Specify Grant, Contract or Other IRB H41430

Grant Number (if applicable) NA

Investigator Relationship or Role on Project (PI, co-PI, Fellow, etc.) PI

Dates of Funding: NA

4. **Technical Title of Project: Entrustable Teaching Activities for Clinician Educators**

Name of Funding Agency TCH educational grant

Specify Grant, Contract or Other IRB H51146

Grant Number (if applicable) NA

Investigator Relationship or Role on Project (PI, co-PI, Fellow, etc.) Co-PI

Dates of Funding: \$50,000 TCH educational grant

5. **Technical Title of Project: Development and Validation of the Model for Evaluation of Educational Games in Health Professions Education MEEGA +HPE tool for Educational games**

Name of Funding Agency TCH educational grant

Specify Grant, Contract or Other IRB H52049

Grant Number (if applicable) NA

Investigator Relationship or Role on Project (PI, co-PI, Fellow, etc.) Co-PI

Dates of Funding: \$50,000 TCH educational grant

6. **Technical Title of Project: A blended approach for diagnosing ear infections in primary care clinics utilizing the digital otoscope**

Name of Funding Agency: Academy of Distinguished Educators

Specify Grant, Contract or Other IRB H52049

Grant Number (if applicable) NA

Investigator Relationship or Role on Project (PI, co-PI, Fellow, etc.) PI

Dates of Funding: \$5000

7. **Technical Title of Project: Harnessing the full potential of the AI patient actor app to enhance clinical reasoning skill development of learners**

Name of Funding Agency: Huffington Department of Education Innovation and Technology Hackathon

Specify Grant, Contract or Other IRB H56366

Grant Number (if applicable) NA

Investigator Relationship or Role on Project (PI, co-PI, Fellow, etc.) PI

Dates of Funding: \$7500 May 2024

**COMPLETED RESEARCH SUPPORT (list all former projects)**

1. **Technical Title of Project Title of Project Improve Resident Self-Efficacy with managing Tracheostomy Emergencies.** Name of Funding Agency CRIS

Specify Grant, Contract or Other IRB H41428

Grant Number (if applicable) na

Investigator Relationship or Role on Project (PI, co-PI, Fellow, etc.) PI of multi-site project  
Dates of Funding 6/2017- 06/2020  
Annual Direct Cost and Direct Cost for Entire Funding Period \$15,000

**B. National Scientific and Professional Participation (include dates and titles)**

1. **Editorial Contributions (e.g., Journal Editorial Boards, Editor roles, Ad Hoc Reviewer)**
2. Peer Reviewer – MedEDPORTAL June 2019 – current
3. Abstract Reviewer Association of Medical Educators of Europe (AMEE) January 2022 Current
4. UpToDate reviewer chapter on ENT examination 2023 – current
5. Peer Reviewer Perspectives in Medical Education, Medical Teacher, Clinical Teacher October 2023- current
6. Open Pediatrics Scholar editorial board Feb 2024 – current
2. **Review Panels and Selection Committees (e.g., NIH Study Sections, Review Panels)**
3. **Professional Societies**  
Member of American Academy of Pediatrics (AAP)  
Member of Academic Pediatric Association (APA)  
Member of Society for Pediatric Research (SPR)  
Member of Texas Pediatric Society (TPS)  
Committee Member for Children with Disabilities and Medical Education (TPS)
7. **Elected Positions (e.g., Officer in a Professional Society)**  
AAP SIG leader for AI Oct 2024 – Current  
AMEE Associate Fellow 2021  
APA SIG Co-Chair – E- learning May 2019  
APA SIG Co Chair – Medical Student Education May 2019  
Global Tracheostomy Collaborative – Member of Educational Committee January 2020  
APA Committee for Online Professional Development May 2020
5. **Invited Lectures, Presentations, Seminars (Provide complete citation for each presentation, including author(s), year, title of presentation, name of meeting or host organization, location, date.)**
  - a. **International**  
4/25 Embracing the transformative potential of AI for HPE. Harvard Macy Transforming Teaching using Technology Course  
**J Benjamin**, N Mehta  
4/25 Utilizing technology and AI tools for conducting literature searches  
**J Benjamin**  
2/25 PERC Keynote Speaker: The Transformative Potential of Generative AI for HPE Pediatric Emergency Research Canada (PERC), Banff, Alberta, Canada **J.Benjamin**  
8/24 AMEE 2024 Symposium Designing Health Education Curricula to Prepare Students for a Generative Artificial Intelligence Future,  
N. Mehta, **J Benjamin**, A. Agrawal, H. MacNeill, K. Masters Basel, Switzerland

8/24 AMEE 2024 Harness the potential of Generative AI (GAI) for staying current with scientific literature as health professions educators, conference workshop,  
**J Benjamin**, N. Mehta, K. Masters, A. Agrawal, H. MacNeill Basel, Switzerland

5/24 PAS 2024 Exploring the role of LLM in Health Care Symposium,  
**J. Benjamin**, B. Hunter, M. Pusic, T. Wolbrink. Toronto Canada

8/23 AMEE 2023 Pre-Conference Workshop  
 Harness the potential of Connectivism for streamlining scientific information  
**J Benjamin**, N. Mehta, K. Masters, A. Agrawal, H. MacNeil

8/23 Practical Guide to Designing and Cultivating Communities of Practice to Propel Scholarship in Health Professional  
 Diane Nguyen, T. Thomas, B. Rissmiller, **J. Benjamin**, R. Cooney, S. Thammsitbbon,

8/23 Short Communication A Serious Card Game for Trauma Resuscitation Education of Medical Students

9/22 Using PICRAT framework for Technology Integration SACME Webinar  
**J Benjamin MD, MS**, A. Agrawal MD

3/22 Creating Animated Videos for Education Harvard Macy Course – Transforming Teaching for the Virtual Environment  
**J. Benjamin MD. MS**, Christine Mai MD, Traci Wolbrink MD, MPH

3/22 Using PICRAT Framework for Technology Integration Harvard Macy course Transforming Teaching for the Virtual Environment  
**J. Benjamin MD, MS**, N. Mehta MBBS

3/22 Utilizing Whiteboard (Jamboard) for Microteaching Harvard Macy Course **J. Benjamin MD, MS**

4/22 Society for Academic Continuing Medical Education SACME workshop The Do and Don'ts of Technology Integration.  
**Benjamin MD, MS**, H. MacNeil MD, FRCPC, Oliver Petinaux MS,

8/22 Curating Scientific Articles Using Technology Tools AMEE Workshop (PreConference Workshop)  
**J. Benjamin MD, MS**, T. Pillow MD, Med, N. Mehta MBBS, MS

5/21 Creating effective an Effective Poster – BIPAI Core Series **Jennifer Benjamin MD**  
 Zoom to worldwide audience, across 10 countries August 19th, 2020

8/20 Tik Tok Style Clinical Coaching: A Virtual Deliberate Practice Module for Procedural Skills Training  
**J Benjamin MD. MS**, S. Flores MD, P Jain MD, S. Thammasitboon MD, MHPE

8/20 **Innovative Approaches to Tracheostomy Education of Healthcare Workers During COVID19**  
**J Benjamin MD. MS**, S. Flores MD, P Jain MD, S. Thammasitboon MD, MHPE,  
 Global Tracheostomy Collaborative (GTC) webinar, zoom meeting worldwide audience

#### **b. National**

11/24 Pediatric Pandemic Network (PPN): Preparing caregivers of CYSHCN for natural disasters Nov 2024

05/23 Stay current and always informed with the latest technology tools for EBM: Annotate, Store and Cite and Share like a pro! (Workshop) PAS meeting Denver Colorado  
**J. Benjamin MD, MS**, T. Pillow MD, MEd, N. Mehta MBBS, MS

5/23 Meaningful Gamification: Engaging Learners to Fail Early, Fail Fast for Learning Success (Workshop)

Session Date: Monday April 25, 2022, PAS meeting

**J. Benjamin MD,MS**, Kristin Dolan MD, S.Thammasitboon MD, MHPE

5/22 APA Health Literacy, Medical Student Education, E-Learning in Medical Education  
Combined SIG PAS Denver Colorado

**J. Benjamin MD, MS**, A.Gupta MD, MPH, B.Riss MD, MPH, J.Soldano MD, MPH,  
A.Glick MD, MPH, S.Gupta MD, FAAP

5/21 E-learning SIG Meeting PAS Virtual meeting Technology in Medical Student  
Education

**Jennifer Benjamin MD**, Bobby Riss MD

5/20 PAS virtual meeting. Understanding Caregivers of Children with Special Healthcare  
Needs – Disaster Preparedness Adds Complexity, Incessant Burden and Fear

**J. Benjamin MD, MS**, M. Sockrider MD, DrPH, K Soni MPH, F Chavez MPH, H.Moore  
MD, T. Gonzales MSN, APRN, L Morosonu, H Chen PhD, S.Thammasitboon, MD, MHPE

5/20 Association of Pediatric Program Directors (APPD) meeting – workshop\_Don't  
burnout! instead transform your curriculum: Building a community of inquiry to optimize  
virtual learning.

Lindsay Cameron, MD, MPH, Erika Abramson, MD, Med, **Jennifer Benjamin, MD, MS**,  
Audrea Burns PhD, Elaine Fielder, MD, Oriaku Kas-Osoka, MD, Med, Tyree  
Winters, DO, Satid Thammasitboon, MD, MHPE

6/20 APA Combined SIG Meeting for E-learning and Medical Student Education Session 1

**J. Benjamin MD, MS**, B. Riss MD, M Chitkara MD, MPH PAS

8/20 APA Combined SIG Meeting for E-learning and Medical Student Education Session

**J. Benjamin MD, MS**, B. Riss MD, M Chitkara MD, MPH PAS

#### **b. Regional**

4/25 Embracing the power of Generative AI as HPE PMR faculty retreat: **J Benjamin**

3/25 Leveraging AI to Support Research in Health Professions Education, MERS Baylor  
Division of Medical Education, Research and Scholarship **J.Benjamin**

10/24 MTFP: Using GenAI as Health Professional Educators Nov 2024

8/20 Common Behavioral Problems in Pediatrics, Houston Methodist Hospital.

**J Benjamin MD, MS**

8/20 Improving disaster preparedness of parents caring for children with medical  
complexity, **J. Benjamin MD, MS**. University of Texas Public health January 6<sup>th</sup>, 2020

### **C. Publications**

#### **1. Full Papers in Peer Reviewed Journals**

##### **a. Published**

1. Basile FW, Petrus J, Gates C, et al. Increasing access to a global health conference and enhancing research capacity: Using an interdisciplinary approach and virtual spaces in an international community of practice. *J Glob Health*. 12:03038. doi:10.7189/jogh.12.03038

2. **Benjamin J**, Roy K, Paul G, et al. Improving Resident Self-Efficacy in Tracheostomy Management Using a Novel Curriculum. *MedEdPORTAL*. 16:11010. doi:10.15766/mep\_2374-8265.11010
3. **Benjamin J**, Masters ,Ken, Agrawal ,Anoop, MacNeill ,Heather, and Mehta N. Twelve tips on applying AI tools in HPE scholarship using Boyer’s model. *Medical Teacher*. 0(0):1-6. doi:10.1080/0142159X.2024.2445058
4. **Benjamin JC**, Chen W, Thammasitboon S. Teaching Tracheostomy Management Using VoiceThread: Reflection on the evolution of our blended coaching approach. *eLearn*. 2023;2023(2 Special Issue):3. doi:10.1145/3583062.3566129
5. **Benjamin JC**, Groner J, Walton J, Noritz G, Gascon GM, Mahan JD. A Blended Curriculum to Improve Resident Physical Exam Skills for Patients With Neuromuscular Disability. *MedEdPORTAL*. 15:10792. doi:10.15766/mep\_2374-8265.10792
6. **Benjamin JC**, Flores S, Jain P, Kumar S, Thammasitboon S. Virtual Deliberate Practice Module for Tracheostomy Change Training: An Application of Educational Design Research. *ATS Scholar*. 2022;3(1):135-143. doi:10.34197/ats-scholar.2021-0110OC
7. **Benjamin J**, Moore H, Khatua S. Mind–Body Issues in Children with Complex Medical Conditions and Complex Care Needs: Effects and Manifestations in the Child. In: Maldonado-Duran JM, Jimenez-Gomez A, Saxena K, eds. *Handbook of Mind/Body Integration in Child and Adolescent Development*. Springer International Publishing; 2023:349-361. doi:10.1007/978-3-031-18377-5\_26
8. **Benjamin J**, Moore H, Khatua S. Mind–Body Issues in the Treatment of Children with Complex Care Needs: Issues for the Family and the Health Care System. Intervention Strategies. In: Maldonado-Duran JM, Jimenez-Gomez A, Saxena K, eds. *Handbook of Mind/Body Integration in Child and Adolescent Development*. Springer International Publishing; 2023:363-375. doi:10.1007/978-3-031-18377-5\_27
9. **Benjamin J**, Pillow T, MacNeill H, Masters K, Agrawal A, Mehta N. Reflections From the Pandemic: Is Connectivism the Panacea for Clinicians? *Journal of Medical Internet Research*. 2024;26(1):e53344. doi:10.2196/53344
10. Masters K, **Benjamin ,Jennifer**, Agrawal ,Anoop, MacNeill ,Heather, Pillow ,M. Tyson, and Mehta N. Twelve tips on creating and using custom GPTs to enhance health professions education. *Medical Teacher*. 2024;46(6):752-756. doi:10.1080/0142159X.2024.2305365
11. Masters K, Correia ,Raquel, Nemethy ,Kataryna, **Benjamin ,Jennifer**, Carver ,Tamara, and MacNeill H. Online learning in health professions education. Part 2: Tools and practical application: AMEE Guide No. 163. *Medical Teacher*. 2024;46(1):18-33. doi:10.1080/0142159X.2023.2259069
12. Masters K, MacNeil ,Heather, **Benjamin ,Jennifer**, et al. Artificial Intelligence in Health Professions Education assessment: AMEE Guide No. 178. *Medical Teacher*. 0(0):1-15. doi:10.1080/0142159X.2024.2445037



13. Mehta N, Agrawal ,Anoop, **Benjamin ,Jennifer**, Mehta ,Seysha, MacNeill ,Heather, and Masters K. Pedagogy and generative artificial intelligence: Applying the PICRAT model to Google NotebookLM. *Medical Teacher*. 0(0):1-3. doi:10.1080/0142159X.2024.2418937
14. Nguyen D, Ssebunya ,Rogers N., Hirani ,Kajal, et al. Using starling murmuration as a model for creating a global health community of practice to advance equity in scholarship. *Medical Teacher*. 2024;46(4):537-544. doi:10.1080/0142159X.2023.2260083
15. Silverstein A, Parmekar S, Lazar S, et al. A Scoping Review of Virtual Communities of Practice in Healthcare Education: Protocol. UCLan - University of Central Lancashire. July 10, 2024. Accessed April 13, 2025. <https://amee.org/beme-guides/>
16. Goldenhar syndrome associated with genital tract abnormality | BMJ Case Reports. Accessed April 13, 2025. <https://casereports.bmj.com/content/12/8/e230686.abstract>

Accepted/In Press

## 2. Full Papers Without Peer Review

### b. In Preparation

- **Programmatic Assessment to Improve Tracheostomy Management Skills J. Benjamin MD, MS**, K. Roy MD, G. Paul MD, S Kumar MS, MSc, E Charles RN, CPNP-AC, E Miller RN, FNP-C H, Narsi- Prasla RN, CPNP, DJ Scherzer MD, J. D. Mahan MD, S. Thammasitboon MD, MHPE (currently being written)
- Parental perspectives of caring for a child with special health care needs during a hurricane J Benjamin, K Soni, F. Chavez, H. Chen
- 12-Tips on Technology Integration using PICRAT **J.Benjamin**, A. Agrawal, S- Thammasitboon
- Be Hurricane Ready: a Wholistic Patient Centered Approach to Addressing Hurricane Preparedness Gaps of Caregivers of CYSHCN J Benjamin, C.Sehgal,

## 2. Abstracts Given During Last Three Years (based on posters or oral presentations)

### **Be Hurricane Ready: a Virtual Community of Practice Building Resilience of Caregivers of CYSHCN**

A. Bourland MD, S. Kumar MS MSc, B. Kaziny MD, C. Sehgal DO, S. Khatua MBBS, T. Gonzales APRN, H. Moore MD, M. Sockrider MD, DrPh, J. Benjamin MD, MS<sup>1</sup>  
PAS 2025

### **Be Hurricane Ready: Developing a Wholistic Patient-Centered Approach to Hurricane Preparedness**

A. Bourland MD, S. Kumar MS MSc, B. Kaziny MD, C. Sehgal DO, S. Khatua MBBS, T. Gonzales APRN, H. Moore MD, M. Sockrider MD, DrPh, J. Benjamin MD, MS<sup>1</sup>  
PAS 2024

**What Is In That Ear? Identifying Gaps in Self-Efficacy and Current Practice to Develop an Innovative Solution for Managing Acute Otitis Media using the Digital Otoscope**

B. Del Rio Rodriguez MD, MPH, S. Panjini MD, H. Sriraman MD, S. Kumar MSc MS, P. Boedeker PhD, T. Duryea MD, J. Benjamin MD, MS PAS 2024

**Understanding Caregivers of Children with Special Healthcare Needs – Disaster Preparedness Adds Complexity, Incessant Burden and Fear**

**J. Benjamin MD, MS**, M. Sockrider MD, DrPH, K Soni MPH, F Chavez MPH, H. Moore MD, T. Gonzales\_MSN, APRN, L Morosonu, H Chen PhD, S. Thammasitboon, MD, MHPE PAS Virtual Meeting 2021

**Optimizing Virtual Learning by Creating a “Community of Inquiry”**

**Jennifer Benjamin MD, MS**, Lindsay Cameron MD, MPH, Audrea Burns PhD, Satid Thammasitboon MD, MHPE 5/21 PAS virtual meeting May 2021

**Preparing Medical Educators for the Future: A Virtual Faculty Development**

**Program** Lindsay H. Cameron MD, MPH, Audrea Burns PhD, **Jennifer Benjamin MD, MS**, Satid Thammasitboon MD, MHPE, Department of Pediatrics, Baylor College of Medicine, Houston, Texas, USA PAS virtual meeting 05/2021

**Virtual deliberate practice module for procedural skills training**

**J Benjamin MD, MS**, S. Flores MD, P Jain MD, S. Thammasitboon MD, MHPE Baylor Educational Showcase held on 18<sup>th</sup> September 2020

**A Novel Curriculum and Program of Assessment for Tracheostomy Management: The Total is More than the Sum of its Parts**

**J. Benjamin MD, MS**, K. Roy MD, G. Paul MD, S Kumar MS, MSc, E Charles RN, E Miller CPNP-AC, RN, FNP-C H, Narsi- Prasla RN, CPNP, DJ Scherzer MD, J. D. Mahan MD, S. Thammasitboon, MHPE Texas Children’s Hospital/ Baylor College of Medicine, Nationwide Children’s Hospital, The Ohio State University, PAS – Platform presentation Virtual PAS Meeting 2020

**Being Experienced or Affected by a Hurricane Has No Effect on Disaster Preparedness among Caregivers of Children with Special Care Needs**

**J. Benjamin MD, MS**, H. Moore MD, M. Sockrider MD, T. Gonzales MSN, APRN, S. Kumar MSc, E. Miller MSN, FNP-C, S. Thammasitboon, MD, MHPE. Texas Children’s Hospital Platform presentation at Virtual PAS 2020 Meeting

**Improving resident self-efficacy in managing tracheostomy related emergencies utilizing a blended curriculum with simulation**

Global Tracheostomy Collaborative Meeting, Melbourne, Australia, platform presentation

**Jennifer Benjamin MD, MS** K Roy MD, Grace Paul MD, John Mahan MD, Shelley Kumar MS, S Thammasitboon MD, MHPE October 2019

**Poster presentation Improving resident self-efficacy in managing tracheostomy related emergencies utilizing a blended curriculum with simulation**

Pediatric Academic Society, Baltimore MD

**Jennifer Benjamin MD, MS**, K Roy MD, Grace Paul MD, John Mahan MD, Shelley Kumar MS, S Thammasitboon MD, MHPE May 2019

**Oral presentation on Emergency Preparedness in Children with Special Needs**

Pediatric Academic Society, Toronto, Canada

Heather C Moore MD, **Jennifer Benjamin MD, MS**, May 2018

**Poster Presentation: The Self-Efficacy Assessment Tool Identified Gaps in Clinical Training for Managing Tracheostomy Emergencies during a Clinical Rotation**

Global Tracheostomy Collaborative, Dallas, Texas

**J Benjamin MD, MS**, K Roy MD, S Thammasitboon MD, MHPE, Shelley Kumar MS, MSc, C Tapia MD, MPH, Texas Children's Hospital/ Baylor College of Medicine Feb 2018

**Poster Presentation: Learning in a web-based world: Improving resident exam skills in patients with neurological disability**

Pediatric Academic Society SFO, CA

**J Benjamin MD, MS**, J Groner MD, J Walton MD, MPH, G Noritz MD, G M Gascon, J D Mahan MD, Nationwide Children's Hospital / The Ohio State University Columbus, OH May 2017

#### **4. Books**

- a. Complete Books Written
- b. Books Edited (include names of other editors, if applicable)
- c. Book Chapters Written (including major contributions to professional resources, such as *UpToDate*, which is an evidence-based website for physicians).

a) Rudolf Pediatrics

Shelburne J, Sehgal **CJ, Benjamin J**, Moore H, Giardino A. Clinical Genetics and Dysmorphology. In: Cabana MD, Giardino AP. eds. *Rudolph's Pediatrics, 23e, SelfAssessment and Board Review*. McGraw Hill; 2021. ISBN 978-1-264-25772-0

Jaber O, Sehgal CJ, Swamy P, Holzmann-Pazgal G, Acosta E, Aririguzo L, Rueda A, **Benjamin J**, Kim J, Wood M, Tatem A, Molchen W, Das S. Infectious Diseases. In: Cabana MD, Giardino AP. eds. *Rudolph's Pediatrics, 23e, Self-Assessment and Board Review*. McGraw Hill; 2021. ISBN 978-1-264-25772-0

Sehgal CJ, Rueda A, Acosta E, **Benjamin J**, Aririguzo L, Kim J, Lambert E, Molchen W, Tatem A, Wood M, Burge SD. Ear, Eye, Nose, and Throat. In: Cabana MD, Giardino AP. eds. *Rudolph's Pediatrics, 23e, Self-Assessment and Board Review*. McGraw Hill; 2021. ISBN 978-1-264-25772-0

Aririguzo L, Acosta E, **Benjamin J**, Craddock MF, Rueda A, Jaber O, Lee G.  
Skin/Dermatology. In: Cabana MD, Giardino AP. eds. Rudolph's Pediatrics, 23e,  
SelfAssessment and Board Review. McGraw Hill; ISBN 978-1-264-25772-02021.

<https://accesspediatrics.mhmedical.com/content.aspx?bookid=2996&sectionid=258915991>

b) Nova Publishers

Benjamin.J, Mehta. N, Pillow. T, Agarwal. A, Clark. J, Love. S, , " Using Technology to Keep up with Evidence" in (Wallace S, Gokulakrishnan G), Evidence-Based Medicine: From the Clinician and Educator Perspective, Nova Science Publishers, Inc., NY, 2022  
<https://doi.org/10.52305/CVQF6296>

5. Other Works Communicating Research Results to Scientific Colleagues (e.g., professional newsletters, blogs, video presentations, etc.)

Faculty College Advertisement Video <https://bcm.voicethread.com/share/17540252/>

Comment to AAP publication on Real life implications of implementing the CDC guidelines for CYSHCN return to school

<https://publications.aap.org/pediatrics/article/148/3/e2021051438/179735/PreventingCOVID-19-Transmission-in-Education>

6. Other Works Communicating Research Results to General Public (e.g., newspaper and other print resources, web-based communications, video, and television media)

Advertisement for Department of EIT created on PowToon

[https://twitter.com/BCM\\_DEIT/media](https://twitter.com/BCM_DEIT/media)

#### D. Innovation and Commercialization

1. Patents (list, patents awards, business development resulting from patents)

<https://www.aimedonline/>

2. Device, Software or Other Development

##### **Tracheostomy management modules on Voice Thread**

<https://voicethread.com/myvoice/browse/threadbox/3481> - Introduction videos

<https://voicethread.com/myvoice/browse/threadbox/3481> Tracheostomy instruction videos

3. Evidence of Impacting Health/Scientific Policy or Clinical Practice Guidelines (e.g., note policy or guidelines where publications were cited)

4. Participation in Business Development and Commercialization

Department of EIT Advertisement

[https://twitter.com/BCM\\_DEIT/status/1391832222198546441?s=20&t=3QngAGpop7MEKqFwE-5ucA](https://twitter.com/BCM_DEIT/status/1391832222198546441?s=20&t=3QngAGpop7MEKqFwE-5ucA)

Department of EIT Hackathon Ad

[https://publish.twitter.com/?query=https%3A%2F%2Ftwitter.com%2FBCM\\_DEIT%2Fstatus%2F1479441092567314436&widget=Tweet](https://publish.twitter.com/?query=https%3A%2F%2Ftwitter.com%2FBCM_DEIT%2Fstatus%2F1479441092567314436&widget=Tweet)

5. Other Activities

### III.TEACHING INFORMATION

**A. Educational Leadership Roles (title, dates, responsibilities) \**

AI Thread Director Feb 2025 – Ongoing

Harvard Macy Course Facilitator February 22- Ongoing

Director for Educational Technology CRIS – August 20 – ongoing

Co- Director Faculty College CRIS August 20

Complex Care rotation residency director Aug 2017 – ongoing

Academic Pediatric Association APA SIG Co-chair for E-learning and Medical Student Education August 2019 – 2022

Resident preceptor Palm Center November 2016 – Ongoing

Mentoring Pediatric Residents at Palm – Ongoing

**B. Didactic Coursework (include dates, number of hours and approximate numbers of learners)**

1. Courses Taught at BCM Within the Primary Department

Complex Care Curriculum – Curated resources from MedEDPORTAL (November 2016 – Ongoing) 8-10 residents/ year

3. Courses Taught at BCM External to the Primary Department (include number of hours)

Tracheostomy Simulation – for Routine Trach change and managing emergencies – twice a month, TICU 40 residents/ year around 120 residents at Baylor, additional residents at collaboration site.

Faculty College on Educational Theory underpinning educational innovation- bi-weekly sessions for 40-50 faculty at TCH/ Baylor

4. Courses Taught at Other Institutions while at BCM

Moorehouse Course on AI October 2024 – ongoing

Tracheostomy Simulation – for Routine Trach change and managing emergencies – twice a month- Nationwide Children’s Hospital around 150 residents

5. Courses Taught Prior to BCM

Improving Physical examination skills of patients with medical complexity

**C. Curriculum Development Work (include institution where work was done and whether work was disseminated beyond home institution)**

1. **Course(s)/Curricula to Which Contributions Have Been Made** Improving self-efficacy with tracheostomy management

2. **Role in Course/Curriculum Development**

PI, simulation instructor

3. **Audience(s) for Course(s)/Curricula Developed**

Pediatric and med peds and anesthesia residents

Developed at Baylor College of Medicine, published on MedED PORTAL collaborative work with Nationwide Children’s hospital, Columbus Ohio

Improving physical examination skills of residents – Role:

PI

Developed at Nationwide Childrens Hospital Ohio – developed for pediatric residents and published on MedEDPORTAL

Faculty Basic Educator Course for Department of Education Innovation and Technology

## Master Clinical Teacher Academy for Clinician Educators

### **D. Non-didactic Teaching (include teaching at BCM and any other teaching concurrent with or prior to teaching at BCM)**

1. Resident Training (include estimate of time spent, numbers of learners)  
Tracheostomy simulation 398 hrs. 287 learners  
Virtual Tracheostomy Simulation 382 hrs. 100 Pediatric Residents
2. Clinical Fellow Training (include names of fellows, dates, current location, or position)  
Blaine Lapin SOC committee member 02/17 – 06/19 Rheumatology Fellow  
Lauren Williams 07/19- 06/21 ICU fellow
3. Research Fellow Training (as above)
4. Graduate Student Training (describe your role, such as major advisor or committee member; provide information about each fellow as above)  
Hospital based Mentor for MPH students – University of Texas – spring semester  
5 students, 2 students for ongoing mentoring  
Kritika Soni MPH student 01/ 2020 – Ongoing  
Fatima Chavez 01/20- Ongoing
5. Resident Mentoring (provide information as above)  
Grace Huang 10/21 – Ongoing
9. Medical Student:  
Coaching for physical examination Patient Physician and Society Course Coaching for residency interviews

### **E. Faculty Development or Continuing Medical Education (list contributions as a course developer, presenter, etc.)**

Co Facilitator for Faculty College – biweekly sessions – help with small group facilitation, technology back up and curating recordings

### **F. Lectures and Presentations (provide complete citation for each item; list invited lectures in II.B.5 and lectures, posters, or presentations with published abstracts in section II.C.3)**

1. International: Abstracts as listed above
2. National  
Abstracts as listed above  
Moderator: PAS Workshop Addressing the Impact of Implicit Bias, Adverse Childhood Experiences (ACES), and Social Determinants of Health on Pediatric Providers November 19<sup>th</sup>, 2020
3. Regional
4. Local Baylor Educational Showcase (as noted above)

### **G. Visiting Professorships (include location, dates)**

## **IV. PATIENT CARE AND CLINICAL CONTRIBUTIONS**

**A. Patient Care Responsibilities**

1. Department-wide: Outpatient care of children with medical complexity
2. Section or Specialty: Academic General Pediatrics - Complex Care
3. Clinical Service (hours/clinic half days, RVU metrics, etc.) .8 FTE

**B. Clinical Leadership or Business Development (describe roles and documented outcomes)**

**C. Voluntary Health Organization Participation**

**D. Contributions, Initiatives or Recognition Related to Patient Safety and Healthcare Quality (include information about implementation, outcomes, or dissemination, where applicable)**

**E. Contributions to Health and Science Policy (institutional, regional, state, or federal level)**

**V. SERVICE CONTRIBUTIONS**

**A. Administrative Assignments and Committees**

1. Department or Center Administration, Committees, etc.
  - Mentoring committee within the AGP
  - Annual Faculty Retreat planning committee- AGP
2. Institution-wide or School Administration, Committees, etc.
  - Education Champions Committee- Baylor College of Medicine
  - Hackathon Committee – Huffington Department of Education Innovation and Technology
  - Digital Education and E-learning – Department of Education Innovation and Technology

**B. National, Regional or Local Participation in Professional or Voluntary Organizations**

- Academic Pediatric Association – Digital Scholarship Committee
- Academic Pediatric Association – Online Professional Development Committee
- Education Committee – Global Tracheostomy Collaborative
- Global Health Scholarship Advisory Committee -Baylor International Pediatric AIDS Initiative BIPAI
- Show and TEL Committee Association of Medical Educators of Europe AMEE
- Associate Fellow AMEE

**F. Other Pertinent Information (not given above, including community service)**

Volunteer at Houston Food bank

Volunteer guitarist Agape Congregation ACH Houston

Volunteer for home rebuilding and clearing out post hurricane Harvey – Riverstone – Sugarland, Texas

Volunteer at Sunday School and Vacation Bible school at Sugar Creek Baptist Church, Medical Director for Camp Blessing for Special Needs Children

Camp Doctor for Middle and High School Revive Winter Camp New Hope Church

