

# PROGRAM REPORT

Baylor  
College of  
Medicine

SCHOOL OF  
HEALTH  
PROFESSIONS  
ORTHOTICS &  
PROSTHETICS

# 2024

## WELCOME TO THE 2023–2024 PROGRAM REPORT

To our community:

We are thrilled to share our second annual program report with you. As we release these reports each December, we take you on a tour of our most recently completed academic year, spanning from July of 2023 to June of 2024. For our second report, we adjusted our timeframe to include the entirety of 2024 to allow us to focus on each calendar year moving forward.

This report will focus on our classes of 2023, 2024, and 2025. Additionally, it will feature the achievements of our faculty and recognition of our staff and clinical sites. We have been incredibly busy working to exemplify our program vision, provide service to the profession at a national and international level, and deliver the best education possible in prosthetics and orthotics.

Our success would not be what it is without contributions from all our Baylor College of Medicine Orthotics and Prosthetics Program family, including our students, faculty, staff, preceptors, patient models, advisory committee and our alumni. With the combined strength and passion of these individuals, we continue to raise the bar in orthotics and prosthetics education.

I hope you enjoy this summary of recent activities and achievements. As always, we appreciate your contributions to our mission, and we look forward to connecting with you in the new year!



**Ashley Mullen, Ph.D., M.S.A.T.,  
CPO**

Program Director, Orthotics and Prosthetics Program

Associate Professor

School of Health Professions

Huffington Department of Education,

Innovation and Technology

Baylor College of Medicine

**PROGRAM DIRECTOR**



**Ashley Mullen Ph.D., M.S.A.T., CPO**  
Associate Professor  
Program Director

**ASSOCIATE PROGRAM DIRECTORS**



**Jeremy Sherman, M.S., CPO**  
Assistant Professor  
Associate Program Director  
for Curriculum



**Lisa Abernethy, M.S.P.O., CPO**  
Assistant Professor  
Associate Program Director  
for Clinical Education

**2023-2024 PROGRAM FACULTY**



**Vinson Hu, M.S., CPO**  
Instructor



**Sally Kenworthy, Ph.D., M.P.O, CPO**  
Assistant Professor



**Amandi Rhett, M.S., CPO, FAAOP**  
Assistant Professor  
Assistant Dean, Health Equity



**Fanny Schultea, M.S., M.S.Ed., CPO, FAAOP(D)**  
Assistant Professor



**Graci Finco, Ph.D., CPO, M.S.**  
Instructor



**Megan Glahn Castille, M.S., CPO**  
Assistant Professor



**Jared Howell, M.S., CPO, FAAOP**  
Assistant Professor

**ADDITIONAL FACULTY**



**Jonnae Atkinson, M.D.**  
Associate Professor



**Beth Hackethorn Garland, Ph.D.**  
Associate Professor



**Christi Guerrini, J.D., M.P.H**  
Associate Professor



**Samantha Tippen, Ph.D.**  
Assistant Professor

**STAFF**



**Liz Vett Haecker**  
Senior Coordinator  
Program Management



**Juan Jose Guzman**  
Coordinator  
Business Operations

**Welcome, Dr. Hovorka!**

We are very excited to welcome Christopher Hovorka, Ph.D., CPO, FAAOP to the team. Dr. Hovorka completed a bachelor's degree in exercise science at the University of New Mexico and in prosthetics and orthotics at the University of Washington. He completed an orthotics residency at Southern Illinois University School of Medicine, a prosthetics residency at Connecticut Children's Medical Center, a master's degree in allied health science at the University of Connecticut, and a Ph.D. in applied physiology with focus in biomechanics and neuromotor control at Georgia Tech. He has held faculty appointments at the University of Texas Southwestern Medical Center, St. Ambrose University, Georgia Tech, University of Pittsburgh, East Tennessee State University and Midwestern University. He has received continuous grant funding and recently completed a fellowship at the Center for the Intrepid, Department of Rehabilitation Medicine, Brooke Army Medical Center, San Antonio, TX.



**Christopher Hovorka, Ph.D., CPO, FAAOP**  
Assistant Professor

**Alumni Board and New Advisory Committee Members**



**Edward Krische, M.S., CPO, '19**  
Texas Scottish Rite Hospital  
Alumni Board President,  
Advisory Committee Member



**Cerise Gay, M.S., CPO, '18**  
Hanger Clinic  
Alumni Board Vice President,  
Advisory Committee Member



**Regan Hoelscher, M.S., CPO, '19**  
Baker Orthotics and Prosthetics  
Alumni Board Secretary



**Michelle Yeglic, M.S., CPO, '22**  
New Life Brace and Limb  
Alumni Board Member



**Vinay Vinodia, M.D.**  
TIRR Memorial Hermann  
Advisory Committee Member



**Michael Lee, M.D., M.H.A., CPE**  
Baylor College of Medicine  
Advisory Committee Member



**Shawn Swanson Johnson, OTR/L**  
Enhancing Skills for Life  
Advisory Committee Member

**WHITE COAT CEREMONY**

Twenty-one students in the Class of 2025 marked the passage of their comprehensive clinical readiness exam and their transition to the residency with a White Coat Ceremony. These residents note the important responsibilities to patient care and ethics which come along with the white coat. After the ceremony residents start their first clinical residency rotation



# STUDENT RECOGNITION

<b>AMERICAN BOARD FOR CERTIFICATION SCHOLARSHIP WINNERS</b>	Bianca Hill Katie Bomhoff	<b>CLASS OF 2024</b> <b>CLASS OF 2025</b>
<b>LUCILLE M. BECKER CLINICAL ACHIEVEMENT AWARD</b>	Erin Casey Delaney Schavey	<b>CLASS OF 2023</b> <b>CLASS OF 2024</b>
<b>ACADEMIC EXCELLENCE AWARD</b>	Kendall Brice Abigail Dykema Emily Tully Emily Zeck Marcella Diamond	<b>CLASS OF 2023</b> <b>CLASS OF 2023</b> <b>CLASS OF 2023</b> <b>CLASS OF 2023</b> <b>CLASS OF 2024</b>
<b>RIITE VALUES AWARD</b>	Nathan Shimabukuro Olivia Wong	<b>CLASS OF 2023</b> <b>CLASS OF 2024</b>
<b>LEHMANN OUTSTANDING STUDENT AWARD</b>	Amanda Wilson Bianca Hill	<b>CLASS OF 2023</b> <b>CLASS OF 2024</b>

# VOLUNTEERING

Many of our residents choose to participate in service trips to Guatemala and Ecuador with the Range of Motion Project (ROMP). Resident Devin Halvorson (below, left) completed a residency rotation in Ecuador while resident Garrett Paxton completed a service trip (below, right). Residents Kortney Helm, Kayli Schwantz, Taylor Smith, Emily Watson, and Brynne Blackmar interacted with alumni Alexandria Prashad and Mafer Larraga Martinez during the trip (below, middle) in which they typically see 40 patients over a one-week period.



# 2023-2024 CLINICAL RESIDENCY SITES

We want to extend a heartfelt thank you to our amazing preceptors and clinical sites. Your dedication to clinical education does not go unnoticed, and your efforts to share your knowledge and skills with the next generation are so important.

Ability Ottobock.care (Asheville, NC)	Hanger Clinic (Denton, TX)	New Life Brace & Limb, LLC (Houston, Tx)
Achilles Prosthetics and Orthotics (Bakersfield, CA)	Hanger Clinic (Fort Worth, TX)	Next Step Prosthetics (Flagstaff, AZ)
American Prosthetics and Orthotics (Iowa City, IA)	Hanger Clinic (Gastonia, NC)	Orthotic and Prosthetic Solutions (Baton Rouge, LA)
Ark Valley Orthotics & Prosthetics (Wichita, KS)	Hanger Clinic (Houston, TX)	Orthotics Limited (Brooklyn, NY)
Baker Orthotics & Prosthetics (Fort Worth, TX)	Hanger Clinic (Indianapolis, IN)	Ottobock.care Care (Austin, TX)
Baylor College of Medicine-Ottobock.care (Houston, TX)	Hanger Clinic (Kansas City, KS)	P&O Care Ottobock.care (St. Louis, MO)
Bionic Prosthetics & Orthotics (San Antonio, TX)	Hanger Clinic (Lafayette, LA)	Pacific Medical (Roseville, CA)
Boston Orthotics and Prosthetics (Annapolis, MD)	Hanger Clinic (Lake Charles, LA)	Pediatric Orthotic & Prosthetic Services - West, Shriners (Salt Lake City, UT)
Bulow Orthotic and Prosthetic Solutions (Columbia, SC)	Hanger Clinic (Louisville, KY)	Precision Prosthetics, Inc. (Memphis, TN)
Bulow Orthotic and Prosthetic Solutions (Nashville, TN)	Hanger Clinic (Marietta, GA)	Prosthetic & Orthotic Associates of TN (Chatanooga, TN)
CarePartners Orthotics and Prosthetics Clinic (Asheville, NC)	Hanger Clinic (Memphis, TN)	Prosthetic and Orthotic Associates (Middleton, NY)
Carolina Ottobock.care (Charleston, SC)	Hanger Clinic (New Orleans, LA)	Prosthetic and Orthotic Group (Duarte, CA)
Comprehensive Combat and Complex Casualty Care (San Diego, CA)	Hanger Clinic (New York, NY)	Prosthetic Orthotic Associates (Orlando, FL)
Cornerstone Prosthetics and Orthotics (Everette, WA)	Hanger Clinic (Oklahoma City, OK)	Range of Motion Project (Quito, Ecuador)
Del Bianco Prosthetics & Orthotics (Apex, NC)	Hanger Clinic (Phoenix, AZ)	Rise Prosthetics and Orthotics (Denver, CO)
Floyd Brace Company (Charleston, SC)	Hanger Clinic (Rochester, MN)	Scott Sabolich Ottobock.care (Oklahoma City, OK)
Gainesville Prosthetics (Gainesville, FL)	Hanger Clinic (Salt Lake City, UT)	Shriner's Children's Pediatric Orthotic and Prosthetic Services (Sacramento, CA)
Goal Pediatric Orthotics (Cotton Wood Heights, UT)	Hanger Clinic (Schenectady, NY)	Shriner's Children's Pediatric Orthotic and Prosthetic Services (Spokane, WA)
Goal Pediatric Orthotics (Mesa, AZ)	Hanger Clinic (Spring, TX)	Shriner's Children's Pediatric Orthotic and Prosthetic Services (St. Louis, MO)
Grace Rehab Inc. Orthotics and Prosthetics (McKinney, TX)	Hanger Clinic (Tucson, AZ)	Texas Scottish Rite Hospital for Children (Dallas, TX)
Great Lakes Prosthetics and Orthotics (Ypsilanti, MI)	Holmes Prosthetic Center (Houston, TX)	Tolsma Stockwell Prosthetics (Colorado Springs, CO)
Hanger Clinic (Albuquerque, NM)	Kai Davis Prosthetics (Richardson, TX)	Twin Cities Orthopedics (Edina, MN)
Hanger Clinic (Austin, TX)	Limb Lab (Des Moines, IA)	University of California San Francisco (San Francisco, CA)
Hanger Clinic (Bethesda, MD)	Limb Lab (Lincoln, NE)	University of Texas Health Science Center (San Antonio, TX)
Hanger Clinic (Cedar Park, TX)	Limb Specialists Ottobock.care (Mesa, AZ)	VA Eastern Colorado Health Care (Denver, CO)
Hanger Clinic (Chicago, IL)	Metro Prosthetics (Landover, MD)	VA Orlando Healthcare (Orlando, FL)
Hanger Clinic (Dallas, TX)	Minneapolis VA Healthcare System (Minneapolis, MN)	Van Der Watt Prosthetics (Greenwood, AR)
		Walter Reed National Military Medical Center (Bethesda, MD)

# COMMENCEMENT

Our students celebrate Commencement the first weekend of December each year. In 2023, 23 students walked across the stage; in 2024, 24 students walked across the stage. The week leading up to Commencement is filled with master's research poster presentations, comprehensive practical exams and exit interviews. We value the feedback provided by the students and continue to seek it from graduates and employers as we strive to serve our profession.



## CLASS OF 2023 and 2024 STUDENT AWARDS Research Poster Competition Winners

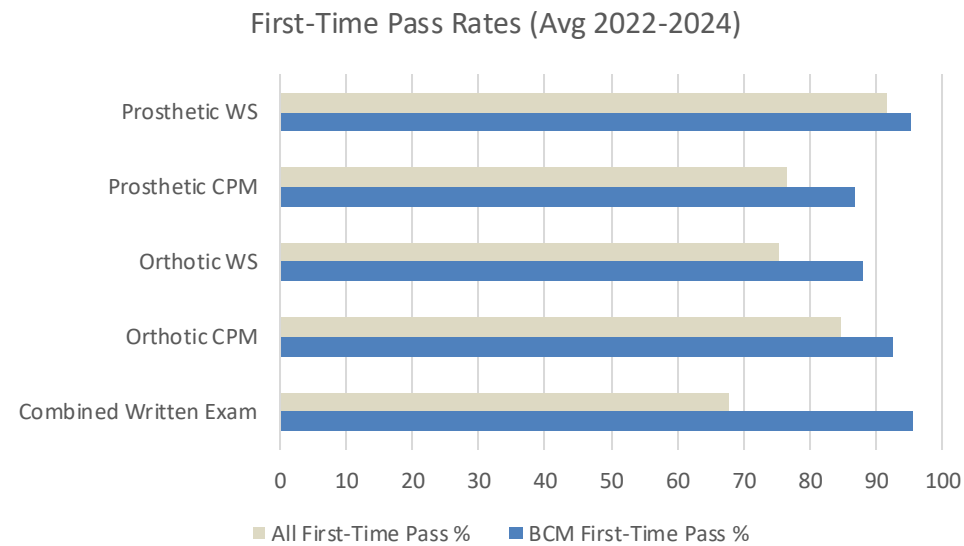
**1st PLACE** Amanda Wilson ('23) and Emily Watson ('24)

**2nd PLACE** Natalie Pace ('23) and Olivia Wong ('24) and Marcella Diamond ('24)

**3rd PLACE** Tanya Prakash ('23) and Cody Aden ('24)

# ALUMNI & EMPLOYERS

Each year we survey our alumni and employers regarding their satisfaction with the program and the graduate, respectively. We also track our students' performance on the American Board for Certification board examinations. We have continued to see positive feedback from employers and performance, which is above the national average on examinations. These results speak to the effectiveness of our program model, faculty, preceptors and students.



*\*Information updated 3.10.25 to reflect updated 2024 reports from ABC. The initial report had included repeat test-takers in the first-time test takers column.*

**100%**

employment rate for the Class of 2023

**78%**

Secured offer prior to graduating

**100%**

Employed 1-3 months after graduating

**60-80K**

Board-eligible salary for 83% at time of hire

# COMMUNITY ENGAGEMENT

This year's program featured the third year of our Continuing Professional Development Program being the host facility for the International African American Prosthetic and Orthotic Coalition Annual Meeting and the International Society for Prosthetics and Orthotics Global Educators Meeting.

## IAAPOC Annual Meeting



## Continuing Professional Development Program

### 2024 Contributors

- Bobby Latham, CP, and Alex Hedquist, CPO
- Renee Van Veld, PT, D.P.T.
- Cara Negri, CP, FAAOP
- Heidi Truman, CPO
- Ben Wright, M.S., CPO
- Shawna Zeimer, CPO
- Eddie Krische, M.S., CPO
- Kailey Hansen, M.S., CPO
- Stacey Rose, M.D.

## Global Educators Meeting

- The meeting included over 100 faculty from over 6 continents.
- It was the first time this meeting, the only educators meeting in the orthotics and prosthetics profession, was held in North America.
- There were 7 sessions or presentations led by BCM O&P faculty members.



## Highlights

# PROFESSIONAL ENGAGEMENT

- Lisa Abernethy**, Secretary, Texas Society of Orthotic and Prosthetic Professionals; Co-Chair, Craniofacial Society, American Academy of Orthotics and Prosthetics
- Megan Castille**, Communications Chair, International Society on Scoliosis Orthopaedic and Rehabilitation Treatment
- Sally Kenworthy**, Board of Directors, National Commission on Orthotic and Prosthetic Education
- Ashley Mullen**, Board of Directors, American Board for Certification in Orthotics, Prosthetics, and Pedorthics; Advisory Board Member, Hanger Institute
- Amandi Rhett**, Chair, International African American Orthotics and Prosthetics Coalition

New Grant Funding: Megan Glahn Castille, PI, Rethinking Rigidity: Development of a 3D-Printed Scoliosis Brace with Varying Flexibility, Scoliosis Research Society (SRS), Exploratory Micro Grant, 2024-2025

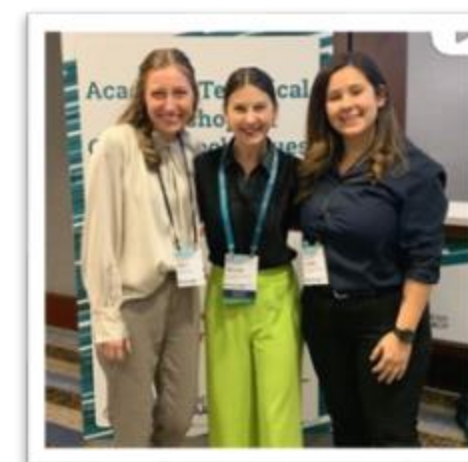


# FACULTY, STUDENT, and ALUMNI PRESENTATIONS

- Abernethy L.** Literature review. Star Summit Cranial Symposium. October, 2023.
- Kenworthy, SA.** Do AFOs cause muscle weakness? Thuasne USA. Webinar for US audience. February, 2024
- Glahn Castille M.** An overview of scoliosis bracing. Department of Physical Therapy, Louisiana State University. February, 2024.
- Casey E, Sherman J.** Patient education in health care: exploring strategies for effective comprehension, recall, and compliance. Poster at American Academy of Orthotists and Prosthetists (AAOP) Annual Meeting and Scientific Symposium. March, 2024.
- Corso J, **Abernethy L**, Slawinski, S. When things go wrong. American Academy of Orthotists and Prosthetists (AAOP) Annual Meeting and Scientific Symposium. March, 2024.
- Kenworthy, SA**, Seale J. Exploring the impact of AFOs on EMG activity. American Academy of Orthotists and Prosthetists (AAOP) Annual Meeting and Scientific Symposium. March, 2024.
- Zeck E, Glahn Castille M.** Assessing the Mental Health Landscape and Need for Counseling in the Scoliosis Community. American Academy of Orthotists and Prosthetists (AAOP) Annual Meeting and Scientific Symposium. March, 2024.
- Mullen A, Al Ghannam Z, Pollack S, Smith K,** Dibello T. Development of an online pediatric AFO evaluation and decision-making tool. American Academy of Orthotists and Prosthetists (AAOP) Annual Meeting and Scientific Symposium. March, 2024.
- Ortega S, Glahn Castille M.** Sources of Emotional Support for Scoliosis Patients. AAOP Annual Meeting and Scientific Symposium. March, 2024.
- Mullen A, Urban M, Bebow E, Silva S.** Benefits and barriers to clinical mentorship. American Academy of Orthotists and Prosthetists (AAOP) Annual Meeting and Scientific Symposium. March, 2024.
- Kenworthy, SA** Do AFOs cause muscle weakness? Thuasne UK. Webinar for UK audience. April, 2024.
- Kenworthy SA,** Gorniak SL. Trailing limb angle as a measure of propulsion in older healthy adults. Podium Presentation within the Promising Scientist Session. American Society of Biomechanics South Central Chapter Annual Meeting. April, 2024.
- Sherman J.** Innovate, collaborate, educate: the interprofessional approach to O&P training. International African American Prosthetic Orthotic Coalition (IAAPOC) International Meeting. May, 2024.
- Abernethy, L.** Cranial literature review. International African American Prosthetic Orthotic Coalition (IAAPOC) International Meeting. May, 2024.
- Glahn Castille M, Schwantz K.** Enhancing scoliosis brace comfort – the key role of orthotists. International Society on Scoliosis Orthopaedic and Rehabilitation Treatment (SOSORT) Meeting. May, 2024.
- Glahn Castille M, Breaux G, Moton K,** Porter D, Howie W, Ahmed A, McLaughlin R. Development of a psychoeducational support group program for newly braced scoliosis patients - A pilot study. Poster at the SOSORT Meeting. May, 2024.
- Glahn Castille M.** Scoliosis Bracing. Department of Physical Therapy, University of Texas Health Science Center San Antonio. June, 2024.
- Glahn Castille M.** Building a support system for patients and providers. Pediatric Spine: Annual Childhood Scoliosis CME at Columbia. September, 2024.
- Glahn Castille M.** An Overview of Scoliosis Bracing: Effective Management and Patient-Centered Care. UT Health Houston Pediatric Scoliosis and Spine Symposium. October, 2024.
- Hull D, Kenworthy S, Mullen A.** Analysis of the residency experience in transfemoral prosthetics. International Society for Prosthetics and Orthotics (ISPO) Global Educators Meeting (GEM). October, 2024.
- Abernethy L, Mullen A, Szot C, Sherman J.** The interprofessional approach to orthotics and prosthetics education. International Society for Prosthetics and Orthotics (ISPO). Global Educators Meeting (GEM). Houston, TX, October 2024.
- Sherman J; Roach, M.** Crafting competence: objectivity in hand skills education. International Society for Prosthetics and Orthotics (ISPO). Global Educators Meeting (GEM). Houston, TX, October 2024.
- Kenworthy S, Sherman J, Mullen A, Rhett A, Castille M.** Low-tech, high-impact teaching tools to enhance foundational O&P principles. International Society for Prosthetics and Orthotics (ISPO) Global Educators Meeting (GEM). October, 2024.
- Sherman J, Howell J,** Wilson D, Muller M, Schmetter N, Hughes D, Kogler G. Digital dialogues. ISPO Global Educators Meeting. October, 2024.
- Mullen A, Krishe E,** Gosschalk E, Stevens P. The career clinician: how educators and industry can work together to improve retention of talent. International Society for Prosthetics and Orthotics (ISPO) Global Educators Meeting (GEM). October, 2024.

# PUBLICATIONS

- Zeck E, Glahn Castille M.** [Clinician-led mental health conversations significantly associated with outcomes for scoliosis patients.](#) *Eur J Phys Rehabil Med.* Aug 2023;59:522-8. doi: 10.23736/S1973-9087.23.08084-X
- Abernethy L.** Empowering the cranial orthotic journey: utilizing the parental perspective. *Academy Today*, 1 October 2023.
- Mullen A, Kenworthy S, Rhett A, Tomson S, Larraga Martinez MF.** [Tipping the scales of the admissions process: interview weighting in an orthotics and prosthetics education program.](#) *J Allied Health.* 2023 Fall;52(3):228-233. PMID: 37728354
- Gavette H, McDonald CL, Kostick-Quenet K, Mullen A, Najafi B, Finco MG.** [Advances in prosthetic technology: a perspective on ethical considerations for development and clinical translation.](#) *Front Rehabil Sci.* 2024 Jan 16;4:1335966. PMID: 38293290; PMCID: PMC10824968.
- Lipski E, Waters WF, Kenworthy S, Mullen A.** [A disparity in prosthetic access for Ecuadorians with lower-limb amputation.](#) *Prosthet Orthot Int,* February 20, 2024. doi: 10.1097/PXR.0000000000000326
- Ronkos C, Mullen A.** [Estimated clinician-patient ratios in us orthotic and prosthetic care: state-level trends and discrepancies.](#) *J Prosthet Orthot.* April 24, 2024. doi: 10.1097/JPO.0000000000000504
- Kenworthy S,** Parthasarathy G, Seale J. [Investigating the effects of ankle foot orthoses on electromyography in impaired populations: a systematic review.](#) *Disabil Rehabil.* Published online July 12, 2024. doi: 10.1080/09638288.2024.2378228
- Roach M, Sherman J.** [Development of hand skills testing methodology for O&P curriculum.](#) *J Prosthet Orthot.* September, 2024. DOI: 10.1097/JPO.0000000000000536
- Sherman J, Gregg K, Parker T.** [Insights into overuse: ergonomic trends and pain prevalence among orthotics and prosthetics practitioners in the united states.](#) *J Prosthet Orthot.* October, 2024. doi: 10.1097/JPO.0000000000000529
- Mullen A,** Spaulding S, Brinkmann J, Falbo K, McDonald C, Rusaw D. [Establishing discipline-based education research in prosthetics and orthotics.](#) *Prosthet Orthot Int.* November 2024. doi: 10.1097/PXR.0000000000000409. Epub ahead of print. PMID: 39514703.
- Casey E, Sherman J.** [Patient education in health care: exploring strategies for effective comprehension, recall, and compliance.](#) *J Prosthet Orthot.* January, 2025. doi: 10.1097/JPO.0000000000000542



*Thank you for a great year!*

*To every one of our students, faculty, staff, preceptors,  
mentors, patient models, alumni and supporters:  
thank you for all that you do for the program!*

*Stay in touch with the O&P Program through our  
website and Instagram Page  
@bcmopprogram*



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