



UW Medicine

ORTHOPAEDICS  
AND SPORTS MEDICINE

2022-2023

Orthopaedic Traumatology Fellowship



# University of Washington/Harborview Medical Center

## Department of Orthopaedics & Sports Medicine

### Trauma Service

#### Mission

The mission of the Orthopaedic Traumatology Advanced Clinical Experience (TACE) is to facilitate the development of outstanding orthopaedic trauma surgeons. The TACE can organize a trauma team that adequately manages problems of polytraumatized patients, in academic or non-academic settings. The TACE possesses a solid clinical foundation, as well as advanced traumatology skills.

#### Program Overview

The Orthopaedic Traumatology Advanced Clinical Experience (TACE) is a 12-month program designed for board eligible orthopaedic surgeons, after their residency training. By providing a complete experience involving patient care, teaching, and opportunities for basic and clinical research, the TACE curriculum satisfies the developing criteria for a Certificate for Specific Expertise in Orthopaedic Traumatology and is accredited by the OTA Fellowship Committee guidelines and requirements. This experience exposes the orthopaedist to the organization and management of a Level 1 Academic Trauma Center, and to the function of the orthopaedic traumatologist in this setting. Clinical experience and teaching are profuse. The clinical component of the TACE introduces the orthopaedist to many operative and nonoperative techniques used in polytrauma with special emphasis on stable internal fixation. Advanced and innovative techniques of internal fixation are emphasized.

The TACE rotates through five individual clinical services. The clinical rotations are approximately 2.5 months in duration. Each service or team consists of the TACE, a chief resident, a junior resident, and nurse practitioners. Medical students are frequently a component of the team. Nine full-time equivalent experienced faculty members are divided among the teams. Each team has sub-specialty emphasis and dedication. Trauma related team sub-specialty areas include acute foot/ankle trauma and post-traumatic reconstruction, complex periarticular fractures, pelvic/acetabular injuries, proximal humeral arthroplasty for fractures, complex elbow fractures and fracture-dislocations, nonunion and deformity reconstruction, among others.



L to R: Dr. David Barei and 2012-2013 Trauma ACE Dr. Mitchell Bernstein



2019-2020 ACEs, from L to R: Dr. Joseph Patterson, Dr. Stephen Wallace, Dr. Erik Magnusson, Dr. Iain Elliott, and Dr. Sean Campbell

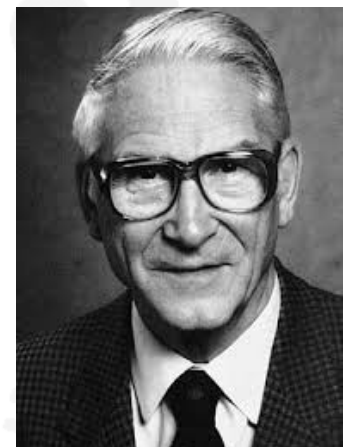
# Program History

The University of Washington assumed control of the King County Medical Center, now Harborview Medical Center. Donald Gunn, M.D. was the Chief of Orthopaedics at HMC in 1968-1969, Sigvard T. Hansen Jr., M.D. was the Chief Resident in Orthopaedic Surgery, and D. Kay Clawson, M.D. was the Chief of Orthopaedics for the University of Washington, of which Harborview Medical Center was a major component.



Dr. Hansen visited Gerhardt Kuntscher and learned advanced techniques of medullary nailing. He was involved in the early North American AO/ASIF development and, in particular, worked with Hans Willenegger.

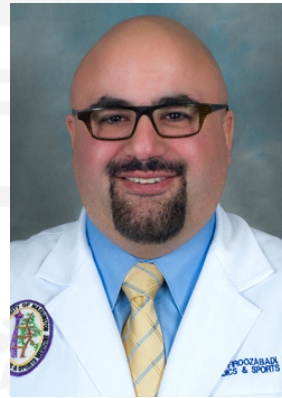
Dr. Hansen became chief of Orthopaedics at Harborview Medical Center and established the roots of aggressive management of long bone and pelvic fractures. In 1973 Drs. Clawson and Hansen attended the AO Course in Davos, Switzerland. Thereafter, stable fixation became the treatment of choice at Harborview Medical Center.



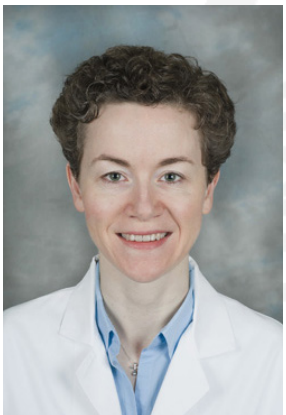
# Fellowship Faculty



**Program Director:**  
**David P. Barei, MD, FRCS**  
Professor of Orthopaedics & Sports Medicine,  
University of Washington School of Medicine  
Director of University of Washington Trauma  
Education



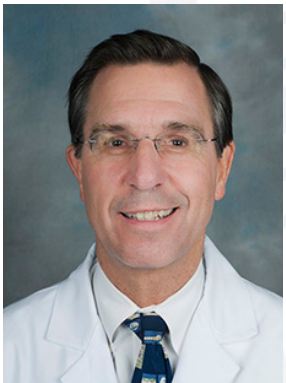
**Reza Firoozabadi, MD**  
Associate Professor of Orthopaedics &  
Sports Medicine,  
University of Washington School of  
Medicine



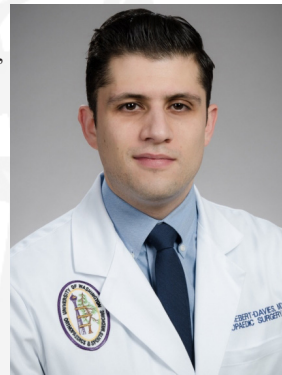
**Daphne Beingessner,  
MSc, MD, FRCS**  
Professor of Orthopaedics & Sports Medicine,  
University of Washington School of Medicine



**Michael Githens, MD, MS**  
Assistant Professor of Orthopaedics &  
Sports Medicine,  
University of Washington School of  
Medicine



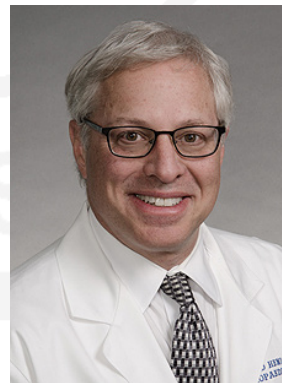
**Stephen Benirschke, MD**  
Professor of Orthopaedics & Sports Medicine,  
University of Washington School of Medicine



**Jonah Hebert-Davies, MD**  
Assistant Professor of Orthopaedics &  
Sports Medicine,  
University of Washington School of  
Medicine

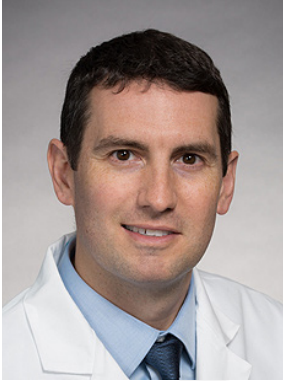


**Robert P. Dunbar Jr., MD**  
Associate Professor of Orthopaedics &  
Sports Medicine, University of Washington  
School of Medicine



**M. Bradford Henley, MD, MBA**  
Professor Emeritus of Orthopaedics &  
Sports Medicine,  
University of Washington School of  
Medicine

# Fellowship Faculty (cont'd)



**Conor Kleweno, MD**

Associate Professor of Orthopaedics & Sports Medicine, University of Washington School of Medicine



**Sean Nork, MD**

Professor of Orthopaedics & Sports Medicine, University of Washington School of Medicine  
Chief, Orthopaedic Trauma, Harborview Medical Center



**Lisa Taitzman, MD, MPH**

Professor of Orthopaedics & Sports Medicine, University of Washington School of Medicine

# Fellowship Specifics

The TACE takes approximately 6 calls per month averaged over the year. The primary on-call responsibilities in the hospital belong to the junior and senior UW HMC orthopaedic residents. Commonly, one junior resident is assigned to the ward, and one to the Emergency Department. The TACE may take call from home, or in the hospital with the team. An attending faculty member participates on call with the team each night.

The TACE works in the assigned team's orthopaedic clinic one day per week. The TACEs clinical responsibilities include operative procedures as surgeon and assistant, daily ward rounds, and emergency patient care along with the chief or junior resident. The average ward census for an ACE is fifteen to twenty patients covered primarily by the junior orthopaedic resident, supervised by the chief resident. One elective operating day per attending is assigned, and other operative procedures are scheduled throughout the week.

At least one basic science or clinical project is required during the year. Ideally, a clinical project is a prospective clinical trial. A trauma data base facilitates other clinical projects. The facilities for basic science research are located in the new Research Building at Harborview. Biomechanical studies related to internal fixation of numerous fractures have been designed and implemented by former TACEs. Similarly, almost any investigation can be developed.

## Trauma Rotation Weekly Schedule

	BLUE	GREEN	RED	FOOT/RESEARCH	PELVIS
MON	HMC Operating Room	HMC Operating Room (Hebert-Davies)	HMC Operating Room	<u>Pelvic Clinic:</u> 1-West Trauma Clinic	HMC Operating Room
TUES	1-West Trauma Clinic	HMC Operating Room (Kleweno/Nork/Taitsman)	HMC Operating Room (Firoozabadi)	HMC Operating Room (Benirschke)	HMC Operating Room
WED	HMC Operating Room (Beingessner)	1-West Trauma Clinic	HMC Operating Room (Dunbar)	HMC Foot & Ankle Clinic	HMC Operating Room (50% of time)
THUR	HMC Operating Room (Barei)	HMC Operating Room (Kleweno/Nork)	1-West Trauma Clinic	HMC Operating Room (Pelvis or Benirschke)	HMC Operating Room
FRI	HMC Operating Room	HMC Operating Room	HMC Operating Room (Githens)	HMC Operating Room (Benirschke)	HMC Operating Room

# Meet Our Current Trauma ACEs

## D'Ann Arthur, MD



Dr. Arthur received her Doctor of Medicine from the University of Texas Southwestern Medical School in Dallas, TX. She completed her Orthopedic Surgery Residency at Harbor-UC-LA Medical Center in Torrance, CA.

## Malcolm DeBaun, MD



Dr. DeBaun received his Doctor of Medicine from Stanford University in Stanford, CA. He completed his Orthopedic Surgery Residency at Stanford University in Stanford, CA.

## L. Henry Goodnough, MD



Dr. Goodnough received his Doctor of Medicine from Case Western Reserve University School of Medicine in Cleveland, OH. He completed his Orthopedic Surgery Residency at Stanford University in Stanford, CA.

## Krystin Hidden, MD



Dr. Hidden received her Doctor of Medicine from The University of Toledo College of Medicine and Life Sciences in Toledo, OH. She will complete her Orthopedic Surgery Residency at The Ohio State University Wexner Medical Center in Columbus, OH.

## Alvin Shieh, MD



Dr. Shieh received his Doctor of Medicine from the University of California, San Diego in La Jolla, CA. He also received his Master of Science in Electrical Engineering from the University of California, San Diego in La Jolla, CA. He completed his Orthopaedic Surgery Residency at the University of California, Davis in Sacramento, CA.

# Harborview Trauma ACE Alumni

2020	Sean Campbell, MD	Iain Elliott, MD	Erik Magnusson, MD	Joseph Patterson, MD	Stephen Wallace, MD	
2019	Jerad Allen, MD	Robert Jacobs, MD	Kimberly Jacobsen, MD	Jennifer Tangtiphaibootana, MD	Robert Wojahn, MD	
2018	David Donohue, MD	Garin Hecht, MD	Justin Lucas, MD	Sara Putnam, MD	Michael Talerico, MD	
2017	Joseph Cohen, MD	Adam Hirschfeld, MD	Kevin Murr, MD	Motasem Refaat, MD	Nicholas Romeo, DO	
2016	Timothy Alton, MD	Matthew Garner, MD	Michael Githens, MD	Justin Haller, MD	Matthew Sullivan, MD	
2015	John Lee, MD	Mara Schenker, MD	David Shearer, MD	Paul Toogood, MD	Brandon Yuan, MD	
2014	Thomas Fishler, MD	Jonah Hebert-Davies, MD	James Learned, MD	Milton Little, MD	Clay Spitler, MD	
2013	Mitchell Bernstein, MD	Geoffrey Marecek, MD	John Scolaro, MD	Joshua Shatsky, MD	Edward Westrick, MD	
2012	Mark Adams, MD	Jonathan Eastman, MD	Reza Firoozabadi, MD	Thomas Large, MD	Jason Schneidkraut, MD	
2011	Richard Barber, MD	Anna Miller, MD	John Munz, MD	Soren Olson, MD	Lorra Sharp, MD	Mark Steeves, MD
2010	Julius Bishop, MD	William Cross, MD	Gregory Dikos, MD	Donald Glasgow, MD	R. Allan Maples, MD	Christopher McAndrew, MD
2009	Leo Calafi, MD	Medardo Maroto, MD	Saam Morshed, MD	Chinedu Nwosa, MD	F. Parke Oldenburg, MD	Robert Orec, MD
2008	Michael Brennan, MD	Andrew Evans, MD	Jason Evans, MD	Michael Gardner, MD	Zachary Roberts, MD	Raymond Wright, MD
2007	Erik Kubiak, MD	Samir Mehta, MD	Amer Mirza, MD	Eric Puttler, MD	Hobie Summers, MD	Darius Viskontas, MD
2006	Ginger Bryant, MD	Matthew Graves, MD	Craig Greene, MD	James Howard, MD	Timothy O'Mara, MD	Brad Yoo, MD
2005	Joseph Conflitti, MD	Gregory Della Rocca, MD	Arturo Gomez, MD	Gregory Osgood, MD	David Weiss, MD	
2004	Daphne Beingessner, MD	Eric Farrell, MD	Andrew Howlett, MD	Robert Molnar, MD	Paul Stafford, MD	
2003	Chad Coles, MD	Robert Dunbar, MD	E. Mark Hammerberg, MD	David Polonet, MD	Carla Smith, MD	
2002	Matthew Camuso, MD	Patrick McNair, MD	Lisa Taitsman, MD	Adam Wagshul, MD	Patrick Wiater, MD	
2001	William Ertl, MD	Coleman Fowble, MD	James Ringler, MD	Heather Vallier, MD		
2000	David Barei, MD	Robert Hymes, MD	Thomas Schildhauer, MD	Alexandra Schwartz, MD		
1999	Roderick Kuo, MD	Anthony Sanzone, MD	Daniel Segina, MD	Nirmal Tejwani, MD		
1998	Peter Cole, MD	Clifford Jones, MD	Sean Nork, MD	George Russell, MD		
1997	Susan Harding, MD	Edward Harvey, MD	Matthew Mormino, MD	John O'Byrne, MD		
1996	Carey Clark, MD	Bharat Desai, MD	James Krieg, MD	Gregory Thomson, MD		
1995	David Hubbard, MD	John Schwappach, MD	Bruce Twaddle, MD	Timothy Weber, MD		
1994	David Brokaw, MD	Robert Handley, MD	Kevin McNamara, MD	David Teague, MD		
1993	Les Grujic, MD	Judson Ott, MD	Hugh Selznick, MD			
1992	Kathryn Cramer, MD	Mark Meier, MD	Brendan Patterson, MD			
1991	Jens Chapman, MD	Stephen Kottmeier, MD	Robin Peter, MD	Gregory West, MD		
1990	Samuel Agnew, MD	Vincent Santoro, MD				
1989	Gary Gruen, MD	Hilton Mirels, MD	Milton "Chip" Routt, MD			
1988	Paul Benca, MD	David Kaehr, MD	Peter Verdin, MD			
1987	Charles Carr, MD	Thomas Donovan, MD	E. Andrew Jonassen, MD	Bruce Sangeorzan, MD		
1986	James Carr, MD	Charles Cornell, MD	Jonathan Keeve, MD	Daniel Moye, MD		
1985	Stephen Benirschke, MD	Howard Cotler, MD	Justin LaMont, MD	David Lhowe, MD	John Wilbur, MD	
1984	Wayne Moody, MD					
1983	Lawrence Webb, MD					
1982	Tobin Gerhart, MD	Steven Ratcliffe, MD				
1981	William Burman, MD	Dwight Burney, MD	Wells Jacobson, MD	Kenneth Johnson, MD	James Kellam, MD	Randall Marcus, MD
1980	Robert Jackson, MD	Sameer Shammam, MD				
1979	Jos Stuyck, MD	Michael Weber, MD				



# Contact Information

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Youtube: [www.youtube.com/user/HuskyOrthopaedics](https://www.youtube.com/user/HuskyOrthopaedics)



( 2018-2019 ACEs, back from left: Dr. Jennifer Tangtiphaiboontana, Dr. Robert Wojahn, Dr. Kimberly Jacobsen, Dr. Robert Jacobs, and Dr. Jerad Allen. Front from left: Dr. Reza Firoozabadi, Dr. Sean Nork, and Dr. Jonah Hebert-Davies)



(2017-18 Trauma ACE Dr. Justin Lucas presenting his research project)



(2018 Graduation Speaker and HMC Trauma ACE Alum Dr. Edward Harvey with Dr. Benirschke)