



UW Medicine

ORTHOPAEDICS  
AND SPORTS MEDICINE

2023-2024

Spine Fellowship



# University of Washington/Harborview Medical Center

## Department of Orthopaedics & Sports Medicine

### Spine Service

#### About Our Service

We have the privilege of working with a staff of dedicated Spine Service ARNP's and PA's on the floor and in our clinics. We have a total of 3 Orthopaedic and 1 Neurosurgical Spine residents on service, as well as 1 Rehabilitation Medicine fellow. Our case range throughout the year is widespread and can be roughly divided as follows: Trauma 30%, degenerative disorders 30%, deformities 25%, and neoplasia/infection 15%. The distribution between cervical and thoraco-lumbar pathology is approximately 50-50. The overall spine case load within our teaching hospitals exceeds 1,500 surgical procedures annually. With the daily exposure to residents and medical students, we place great emphasis on teaching, teamwork and collegiality.

#### Mission

To train spine surgeons who will become respected leaders, based on their character and their clinical, research and educational efforts. We aim to do so by graduating well-rounded inquisitive, ethically minded and highly knowledgeable spine surgeons, who are capable of providing state of the art spine surgery covering the entire spectrum of spinal disorders, while advancing the standard of spinal care.



2020 - 2021 Spine Group, from left: Dr. Richard Bransford, Dr. Iain Elliott (ACE), Dr. Taylor Beatty (ACE), Dr. Catherine Olinger (ACE), Dr. Celeste Tavolaro, Dr. Viral Patel, Dr. Haitao Zhou, and Dr. Carlo Bellabarba

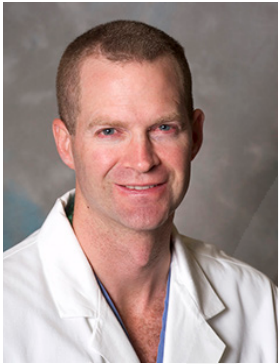
#### Program Information

The UW Spine Post-Residency Training program was established in 1987 by Paul Anderson. To date, we have trained over 60 spine surgeons, with roughly one-third of graduates entering an academically affiliated practice. The other two-thirds are well-respected leaders in their regions all across the globe.

Our program is unique in that we provide care for a quarter of the land mass of the USA, spanning Washington, Wyoming, Alaska, Montana, and Idaho. These services are provided by the only Level-One Trauma Center and genuine academic tertiary care facilities. Our program is interdisciplinary and combines 3 Orthopaedic Post-Residency Spine Clinical Instructors (ACEs) with 2 Neurosurgical fellows. This arrangement provides exposure to the widest possible range of spinal pathology with respect to the nature and location of spinal disorders, and their treatment options. We offer mentoring and assistance with attaining career and employment objectives.

# Fellowship Faculty

## Program Director: Richard Bransford, MD



Professor of Orthopaedics & Neurosurgery, University of Washington School of Medicine  
Director of University of Washington Spine Education & Research  
Director of Harborview Medical Center Spine Quality Improvement  
Site(s) of Practice: Harborview Medical Center

Patient Care Philosophy: His favorite aspect of patient care is surgery, but he thinks that it is of the utmost importance that patients have an adequate understanding of their issues, expected outcome and prognosis.

Research & Clinical Interests: Spinal Disorders and Trauma Surgery, general orthopedic surgery, third-world orthopedic disorders and education of third-world physicians.

## Carlo Bellabarba, MD

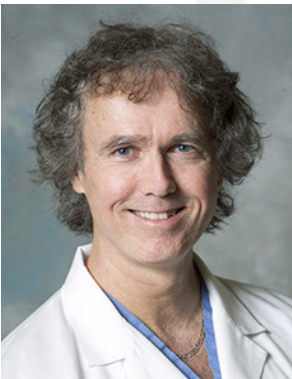


Professor of Orthopaedics & Neurosurgery, University of Washington School of Medicine  
Chief of Orthopaedics, Harborview Medical Center  
Hansjoerg Wyss Endowed Chair, Department of Orthopaedics & Sports Medicine  
Site(s) of Practice: Harborview Medical Center

Patient Care Philosophy: Treats each patient as if he or she were a family member, and uses the full extent of his research and clinical experience to tailor a treatment program to each patient's unique clinical situation.

Research & Clinical Interests: Surgical treatment of the full range and complexity of spine conditions throughout the spine, from the upper cervical spine to the sacrum, including spine trauma; degenerative spine conditions such as stenosis and disc pathology; spine deformity such as scoliosis, kyphosis and spondylolisthesis; spine infections; spine tumors; and minimally invasive spine surgery and motion-sparing treatments.

## Randall Chesnut, MD, FCCM, FACS



Professor of Neurosurgery & Orthopaedics, University of Washington School of Medicine  
Director of Neurosurgical Spine and Neurotrauma Services, Harborview Medical Center  
Site(s) of Practice: Harborview Medical Center

Patient Care Philosophy: Strives to create active partnerships with his patients to achieve the best possible outcomes.

Research & Clinical Interests: Clinical interests include brain and spinal injuries including sports-related injuries. Research interests include improvement of care for traumatic brain and spine injuries, investigation of outcomes in trauma care systems in developing countries in Latin America, and target therapy in the management of traumatic brain injury.

# Fellowship Faculty (cont'd)

Christoph Hofstetter, MD, PhD



Associate Professor of Neurological Surgery, University of Washington School of Medicine  
Site(s) of Practice: Harborview Medical Center

Patient Care Philosophy: Believes in creating active partnerships with his patients to achieve the best possible outcomes.

Clinical Interests: Complex spine surgery with an emphasis on minimally invasive techniques and a focus on degenerative spinal disorders and spinal oncology

Viral R. Patel, MD



Acting Instructor of Orthopaedic Surgery, University of Washington School of Medicine  
Site(s) of Practice: Harborview Medical Center, UWMC-Roosevelt

Patient Care Philosophy: Provide optimal patient care and provide the best experience for the patients going through surgery

Research & Clinical Interests: Research in sacral trauma, adolescent idiopathic scoliosis, post-operative spinal wound infection and related complications. Clinic interests include research in adult spinal deformity and minimal invasive spine surgery

Fangyi Zhang, MD



Professor of Neurological Surgery and Orthopaedics, University of Washington School of Medicine  
Director of Neurosurgical Spine Fellowship Program  
Site(s) of Practice: Harborview Medical Center

Patient Care Philosophy: Strive to create active partnerships with patients and their families

Research & Clinical Interests: Clinical research in spine trauma and disorders. Research interests include the outcomes study of spine surgery, spinal cord blood flow regulation and acute spinal cord injury

Haitao Zhou, MD



Associate Professor of Orthopaedic Surgery, University of Washington Medical School of Medicine  
Site(s) of Practice: Harborview Medical Center

Patient Care Philosophy: I believe that all patients should be treated by their doctors as if they were a family member. I believe that spending time communicating to the patient can solve issues.

Research & Clinical Interests: Clinical research in adult deformity

# Fellowship Specifics

The usual weekly schedule ranges from 2-3 OR days and 2 clinic days per week, and one research/vacation backup day, depending on the rotation. Call frequency is approximately 1/5, with the same ratio applying to weekends. Weekend call usually extends from Friday AM through Sunday AM. Our ACEs/Fellows report between 250 to 300 cases per year.

|             | <b>BRANSFORD</b>                | <b>BELLABARBA</b>               | <b>UW/COMBINATION</b>                    |
|-------------|---------------------------------|---------------------------------|--|
| <b>MON</b>  | HMC Spine Clinic                | HMC Operating Room (Bellabarba) | HMC Operating Room (Bellabarba)          |
| <b>TUES</b> | HMC Operating Room (Bransford)  | HMC Operating Room (Bransford)  | UW-Roosevelt Bone & Joint Clinic (Patel) |
| <b>WED</b>  | HMC Operating Room (Bellabarba) | HMC Operating Room (Bellabarba) | UWMC Operating Room (Patel)              |
| <b>THUR</b> | HMC Operating Room (Bransford)  | HMC Spine Clinic                | HMC Spine Clinic                         |
| <b>FRI</b>  | HMC Operating Room (Bransford)  | HMC Operating Room (Bransford)  | HMC Operating Room (Bransford)           |

# Fellowship Specifics (cont'd)

## Spine Education Meetings

|            |                            |  |
|------------|----------------------------|--|
| Daily:     | 7:00-7:15am                | HMC On-Call Sign Out Conference  |
| Monday:    | 7:00pm-Close               | Journal Club (1st Monday, Dr. Wagner's House)                                      |
| Tuesday:   | 7:00-8:30am<br>6:30-8:00am | Spine Indications (UWMC)<br>M&M (4th week)   |
| Wednesday: | 7:00-8:00am                | Spine Grand Rounds (HMC, 3rd week)   |
| Thursday:  | 7:30-8:30am<br>8:30-9:15am | Research Report vs. Didactic Conference (HMC)<br>Spinal Radiology Conference (HMC) |
| Friday:    | 7:15-8:15am                | Spinal Indications (HMC)<br>M&M (4th week)   |

## Spine Annual Events

ACE/Fellows Research Day and Graduation Dinner  
AOSpine Fellowship Retreat  
Attendance at one sponsored Society Meeting in North America  
Attendance at two AOSpine Courses  
Funding to present UW generated research

## Resources

- Applied Biosciences Research Laboratory
- Spinal Biomechanics Laboratory
- Research staff and experienced Senior Study Coordinator Julie Agel
- Epidemiologists
- Spinal Database
- Trauma Database
- Selected AOSpine North America Fellowship Site
- Research Funding available through 3 Endowed Spine Chairs and several ongoing grants
- Free iTunes Podcasts: UW Health and Medicine



(2018-2019 Spine ACE Ashraf El Naga, MD presenting his research project)

# Meet Our Current Spine ACEs

**Andrew Bachinkas, MD**



Dr. Bachinkas received his Doctor of Medicine from University of Texas Southwestern in Dallas, TX. He completed his Orthopedic Surgery Residency at the University of Kansas–Wichita in Wichita, KS .

**Mark Hsiao, MD**



Dr. Hsiao received his Doctor of Medicine from Creighton University in Omaha, NE. He completed his orthopedic surgery residency at William Beaumont Army Medical Center. He has served as an Assistant Professor at Fort Belvoir Community Hospital in Fort Belvoir, VA, part of the Walter Reed National Military Medical Center/National Capital Consortium.

**Jonathan Seavey, MD**



Dr. Seavey received her Doctor of Medicine from the University of Oklahoma College of Medicine in Oklahoma City, OK. He completed his Orthopedic Surgery Residency at Walter Reed NMMC/National Capital Consortium in Bethesda, MD. He has served as a Staff Orthopaedic Surgeon at Naval Health Clinic, Oak Harbor in Oak Harbor, WA.

# Harborview Spine ACE Alumni

|             |                           |                       |                              |
|-------------|---------------------------|-----------------------|------------------------------|
| 2020 - 2021 | Taylor Beatty, DO         | Iain Elliott, MD      | Catherine Olinger, MD        |
| 2019 - 2020 | Kim Driftmier, MD         | Derrick Foge, MD      | Jon Kark, MD                 |
| 2018 - 2019 | Ashraf El Naga, MD        | Edward Jung, MD       | Eric Rebich, DO              |
| 2017 - 2018 | Christina Cheng, MD       | David Gendleberg, MD  | Nathan Wigner, MD            |
| 2016 - 2017 | Samia Ghaffar, MD         | Farhan Karim, DO      | Brett Walker, DO             |
| 2015 - 2016 | David Glassman, MD        | Jason Pittman, MD     | Haitao Zhou, MD              |
| 2014 - 2015 | Alireza Anissipour, MD    | Saad Elrahmany, MD    | Viral Patel, MD              |
| 2013 - 2014 | Max Berdichevsky, MD      | Viral Patel, MD       | Joshua Shatsky, MD           |
| 2012 - 2013 | Zachary Child, MD         | Mathias Daniels, MD   | Mark Manoso, MD              |
| 2011 - 2012 | Sree Harsha Malempati, MD | Amit Patel, MD        | Saravanaraja Muthusamy, MBBS |
| 2010 - 2011 | Myles Luszczyk, MD        | Jeremiah Maddox, MD   | Anuj Varshney, MD            |
| 2009 - 2010 | Nguyen Do, MD             | Roland Kent, MD       | Abilio Reis, MD              |
| 2008 - 2009 | Mark Freeborn, MD         | Christopher Howe, MD  |                              |
| 2007 - 2008 | Paul Kraemer, MD          | Delmore Morsette, MD  | Anthony Russo, MD            |
| 2006 - 2007 | Troy Caron, MD            | Joshua Patt, MD       |                              |
| 2005 - 2006 | Elgafy Hossein, MD        | David Stevens, MD     |                              |
| 2004 - 2005 | Jason H. Thompson, MD     |                       |                              |
| 2003 - 2004 | Tim McHenry, MD           |                       |                              |
| 2002 - 2003 | Mike Binette, MD          |                       |                              |
| 2001 - 2002 | Richard Bransford, MD     |                       |                              |
| 2000 - 2001 | John Borkowski, MD        |                       |                              |
| 1999 - 2000 | Andrew Cree, MBBS         | Christopher Summa, MD |                              |
| 1997 - 1998 | Allain Girouard, MD       |                       |                              |
| 1995 - 1996 | Joel A. Finkelstein, MD   |                       |                              |
| 1994 - 1995 | Darrell Brodke, MD        |                       |                              |
| 1992 - 1993 | Edward J. Dohring, MD     |                       |                              |
| 1991 - 1992 | John Steinmann, MD        |                       |                              |
| 1990 - 1991 | Jens R. Chapman, MD       | Walter F. Krengel, MD |                              |



# Contact Information

Website: [www.orthop.washington.edu](http://www.orthop.washington.edu)

Facebook: [www.facebook.com/UWOrthopaedicsSportsMedicine](https://www.facebook.com/UWOrthopaedicsSportsMedicine)

Twitter: [www.twitter.com/UWOrthopaedics](https://www.twitter.com/UWOrthopaedics)

Instagram: <https://www.instagram.com/uwortho/>

Contacts:

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8th Floor, Ninth and Jefferson Building  
908 Jefferson Street  
Seattle, WA 98104



2019-2020 Spine Service From left: Dr. Carlo Bellabarba, Dr. Haitao Zhou, Dr. Theodore Wagner, Dr. David Gendelberg, Dr. Viral Patel, Dr. Jonathan Kark (ACE), Dr. Derrick Foge (ACE), Dr. Kim Driftmier (ACE), Dr. Richard Bransford



2018-2019 Spine ACEs from left: Dr. Eric Rebich, Dr. Edward Jung, Dr. Ashraf El Naga