ORTHOPAEDIC SURGERY RESIDENCY PROGRAM
ESTABLISHED 1958

CDR James Hammond, DO
DEPARTMENT CHAIRMAN

CDR Thomas Douglas, MD
PROGRAM DIRECTOR

LCDR W. Michael Pullen, MD
INTERNSHIP DIRECTOR
ORTHOPAEDIC SURGERY PROGRAM

The Orthopaedic Department is located in the Charee Health Care Center at NMCP. The hospital is on a 112-acre site along the Elizabeth River in downtown Portsmouth, Virginia. The 1.02 million square foot Charee Health Care Center is one of the most modern in Navy Medicine. The center contains over 300 clinical exam rooms, 140 specialty exam rooms, and 17 operating rooms. NMCP has a biomedical research department with over 200 active protocols and a state-of-the-art medical library.

Philosophy

Who Are We?

NMCP is a tertiary care facility with a wide catchment area - from facilities in Europe and the east coast of the U.S., all of which provide a large variety of emergent and non-emergent orthopaedic cases. The local patient population is comprised of active duty and retired military members and their families. The Orthopaedic Department sees over 55,000 patients per year and performs approximately 4000-5000 surgical procedures per year. Additionally, there are significant opportunities to perform minor room cases, fracture reductions, and urgent orthopaedic clinical care. The program also provides excellent exposure to in-office ultrasound-guided procedures and the use of biologics in the clinic as well as in the operating room. The department is also performing surgical procedures at a civilian ambulatory surgery center to expand resident exposure to different surgical environments. Our Department of Defense population and expansive referral area ensure that there is no shortage on variety and amount of orthopedic cases.

A high-volume, hardworking, cohesive academic program with committed faculty and residents that have high expectations, that thoroughly prepares each resident to deliver safe and quality care in a successful active duty career as an orthopaedic surgeon. The Orthopaedic Surgery Program at the Naval Medical Center Portsmouth (NMCP) was established in 1958. It is a fully accredited, five-year program comprised of 20 residents with four residents at each year level of training and a dedicated orthopaedic internship. NMCP is a proven leader in academic and military medicine and the orthopaedic surgery department is no exception. The department is at the forefront of academic and clinical orthopaedics in both civilian and academic communities. The NMCP Orthopaedic Residency Program prepares its residents to be adept and knowledgeable, with a keen sense of clinical and technical skills. More importantly, the program stresses compassionate care conforming to the highest ethical standards of medical and surgical practice. Our graduates complete residency training technically proficient in all areas of orthopaedics, both operative and non-operative. Our program has one of the longest running 100% pass rate for Part I and Part II American Board of Orthopaedic Surgeons (ABOS) exams in the United States.
ORTHOPAEDIC SURGERY PROGRAM

Philosophy

Who Are We?

A high volume, hardworking, cohesive academic program with committed faculty and residents that have high expectations, that thoroughly prepares each resident to deliver safe and quality care in a successful active duty career as an orthopaedic surgeon.

The Orthopaedic Surgery Program at the Naval Medical Center Portsmouth (NMCP) was established in 1958. It is a fully accredited, five-year program comprised of 20 residents with four residents at each year level of training and a dedicated orthopaedic internship. NMCP is a proven leader in academic and military medicine and the orthopaedic surgery department is no exception. The department is at the forefront of academic and clinical orthopaedics in both civilian and academic communities. The NMCP Orthopaedic Residency Program prepares its residents to be adept and knowledgeable, with a keen sense of clinical and technical skills. More importantly, the program stresses compassionate care conforming to the highest ethical standards of medical and surgical practice. Our graduates complete residency training technically proficient in all areas of orthopaedics, both operative and non-operative. Our program has one of the longest running 100% pass rate for Part I and Part II American Board of Orthopaedic Surgeons (ABOS) exams in the United States.

The Orthopaedic Department is located in the Charette Health Care Center at NMCP. The hospital is on a 112-acre site along the Elizabeth River in downtown Portsmouth, Virginia. The 1.02 million square foot Charette Health Care Center is one of the most modern in Navy Medicine. The center contains over 300 clinical exam rooms, 140 specialty exam rooms, and 17 operating rooms. NMCP has a biomedical research department with over 200 active protocols and a state-of-the-art medical library.

NMCP is a tertiary care facility with a wide catchment area - from facilities in Europe and the east coast of the U.S., all of which, provides a large variety of emergent and non-emergent orthopaedic cases. The local patient population is comprised of active duty and retired military members and their families. The Orthopaedic Department sees over 55,000 patients per year and performs approximately 4000-5000 surgical procedures per year. Additionally there are significant opportunities to perform minor room cases, fracture reductions, and urgent orthopaedic clinical care. The program also provides excellent exposure to in-office ultrasound guided procedures and the use of biologics in the clinic as well as in the operating room. The department is also performing surgical procedures at a civilian ambulatory surgery center to expand resident exposure to different surgical environments. Our Department of Defense population and expansive referral area ensure that there is no shortage on variety and amount of orthopedic cases.
Naval Medical Center Portsmouth Residency Program is a comprehensive multi-center, multi-year experience. In addition to time spent in Portsmouth at the parent institution, residents travel to various other locations to enhance their broad orthopaedic experience. During the PGY-2 year, residents attend the AO Trauma Basic Principles Course. During the PGY-3 year, residents travel to Tampa for a rotation in orthopaedic trauma surgery and locally at Sentara Obici hospital in Suffolk, Virginia for orthopaedic spine surgery. Also during the PGY-3 year, residents attend the AO Trauma Advanced Principles course. During the PGY-4 year, residents travel to Boston to New England Baptist for Adult Reconstruction and locally at Childrens Hospital for the Kings Daughters, (CHKD) for pediatric orthopaedics. Also, during the PGY-4 year, the residents attend the Enneking Orthopaedic Tumor course and the Microvascular Hand course. During the PGY-5 year, residents travel locally to Sentara Norfolk General for orthopaedic trauma. Also, during the PGY-5 year, residents attend the Maine orthopaedic board review course.
The current requirements for the PGY-1 year in Orthopaedic Surgery were defined by the American Board of Orthopaedic Surgery (ABOS) and ACGME. Below is a framework provided by the ABOS for rotations during the PGY-1 year that satisfies all requirements to start the PGY-2 year in Orthopaedic Surgery, yet provides a broad-based training experience if a GMO, Flight Surgery or Dive Medicine tour is selected. The PGY-1 Orthopaedic Surgery year at NMCP consists of the following rotations:

- 6 Orthopaedic
- 1 General Surgery
- 1 Neuro Surgery
- 1 Plastic Surgery
- 1 Emergency Medicine
- 2 Trauma at Norfolk Sentara
- 2 wks Rheumatology
- 2 wks Musculoskeletal Radiology
- *2 wks OB/GYN during Ortho Elective month (Depends whether you are selected for GMO or Straight through Residency)
1. **Adult Reconstruction/Orthopaedic Oncology Team**: Three fellowship trained orthopaedic adult reconstruction joint surgeons, a fellowship trained orthopaedic oncology surgeon, a chief resident, and a PGY-3 resident comprise the Adult Reconstruction/Orthopaedic Oncology Team. Clinic is held two times per week and is focused on patients with major joint disease and/or complex hip and knee pathologic conditions and deformities. Operative cases occur three times per week. The PGY-3 and PGY-5 will assist the team with intraoperative and postoperative surgical care. A comprehensive experience in the treatment of musculoskeletal tumors is also included.

2. **Tampa Trauma Rotation**: As a member of the USF Orthopaedic Trauma Team, the PGY-3 will assist with work-up, evaluation, and surgical management of acute trauma patients at a Level 2 trauma center.

3. **Night Float**: The PGY-3 will be the senior resident in house at night Sunday through Thursday and will supervise a PGY-2 and an intern. The PGY-3 will manage all consults and inpatients. The PGY-3 will report to the chief resident on call. Residents rotate on this service for three months as a PGY-3.

4. **Spine Team**: Composed of one fellowship trained spine orthopaedic surgeons, four fellowship trained Neurosurgeons, a PGY-3, and a PGY-2 resident care for musculoskeletal problems in the spine patient. Clinics are two to three days per week, with two operative days per week. Additionally, half the time for the PGY-3 is spent in a local community spine practice.

5. **Hand Team**: Three fellowship-trained hand surgeons lead the experience for one PGY-4 resident and one PGY-2 resident. The PGY-4 is responsible for cases in the Main OR (twice a week), and clinic (two days per week). The PGY-4 is responsible for discussion at hand journal club every Tuesday morning.

6. **Children’s Hospital for the King’s Daughters (CHKD)**: The PGY-4 is part of the Pediatric Orthopaedic Team. You will work alongside our colleagues from the CHKD Pediatric Orthopaedic Surgery Service. This is a fantastic opportunity to work in a pediatric environment with our civilian pediatric orthopaedic surgeon colleagues.

7. **New England Baptist Medical Center Adult Reconstruction, Boston, MA**: A PGY-4 is part of the Adult Reconstruction Team. Clinic is held two times per week and is focused on patients with major joint disease and/or complex hip and knee pathologic conditions and deformities. Operative cases occur three times per week. The PGY-4 will assist the team with intraoperative and postoperative surgical care.
NMCP ORTHO ROTATIONS CONTINUED

8. Fracture/Trauma Team: Under the guidance of two fellowship trained staff orthopaedic trauma surgeons, the PGY-4 will supervise the PGY-2 and will coordinate a dynamic team with comprehensive orthopaedic problems. The PGY-4 is expected to run the Orthopaedic Trauma Service. The PGY-4 will also supervise the PGY-2 who carries the call pager and will supervise consults during this rotation. Here, basics of fracture care, trauma evaluation, and operative management will be taught. Clinic is two days per week coupled with two or more operative days. The PGY-4 will be responsible for supervising the PGY-2 in presenting trauma preoperative conference and journal club every Tuesday.

9. Pediatrics Team: Two fellowship trained staff pediatric orthopaedic surgeons, a PGY-4, and a PGY-2 care for musculoskeletal problems in the pediatric patient. Clinics are two to three days per week, with two operative days per week.

10. Sentara Norfolk General Trauma: As a member of the Sentara Norfolk General Orthopaedic Trauma Team, the PGY-5 will assist with work-up, evaluation, and surgical management of acute trauma patients at this Level 1 trauma center.

11. Sports Team: Five fellowship trained sports surgeons specializing in orthopaedic problems of the shoulder and knee and one fellowship trained shoulder and elbow surgeon will work closely with the PGY-5 and PGY-2. Clinics are twice per week and operating room time is twice per week.

12. Foot and Ankle Team: Two fellowship trained foot and ankle surgeons will work closely with the PGY-5. Attention is focused to the non-operative and operative care of mid and hind foot conditions and fracture care for the foot and ankle. Clinics are twice per week and operating room time is twice per week.
<table>
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<tr>
<th>Year</th>
<th>PGY</th>
<th>Blocks</th>
<th>Rotation</th>
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<td>TRAUMA</td>
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<td>PGY-3</td>
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<td>SITE</td>
<td>ADULT RECON</td>
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<td>ADULT RECON</td>
<td>SITE</td>
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<tr>
<td></td>
<td>PGY-4</td>
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<td>Rotation</td>
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<td>SITE</td>
<td>6 week block</td>
<td>SITE</td>
<td>6 week block</td>
<td>SITE</td>
</tr>
<tr>
<td></td>
<td>PGY-5</td>
<td>4</td>
<td>Rotation</td>
<td>CHKD, Norfolk, VA</td>
<td>SITE</td>
<td>PEDS</td>
<td>SITE</td>
<td>PEDS</td>
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The center has 2,318 square feet of contiguous space and can accommodate training/research on several cadaver and anatomical specimens at any given time due to the layout of the space. Four dry stations accommodate anatomical specimen use and two wet stations can accommodate full cadavers. Storage for up to four cadavers is currently available and in the process of being expanded. Freezers for fresh frozen anatomical specimens are also available. Specializing the center for surgical anatomy teaching, research and surgical simulation include General Surgery, Otolaryngology, Orthopaedic Surgery, Emergency Medicine, Oral-Maxillofacial Surgery, Urology, and Obstetrics/Gynecology. An administrative support space is provided within the center, which allows access to support staff at all times during training/research activities.

An Orthopaedic Surgery Bioengineering Research Lab is also housed in the Bioskills Lab, which is staffed by a Bioengineer. An MTS machine is implemented with cadaveric and sawbones specimens for biomechanical testing research protocols.
NMCP fellowship placement last 13 years

Last 13 years fellowships attended:

- Duke sports
- Rush sports
- Harvard foot
- Cleveland Clinic joints
- Norton Leatherman spine institute
- Harborview spine
- Denver children's Peds
- Tampa trauma
- Shelbourne sports
- Steadmann Hawkins sports
- Rush joints
- Miami tumor
- Minnesota sports
- HSS joints
- New England Baptist joints
- New England Baptist Sports
- Rady Children's Hospital Peds
- Wake Forest Hand
- UC Davis Trauma
- Ortho Carolina Hand

NMCP Healthcare Simulation Bioskills Training Center (HSBTC)

The center has 2318 square feet of contiguous space and can accommodate training/research on several cadaver and anatomical specimens at any given time due to the layout of the space. Four dry stations accommodate anatomical specimen use and two wet stations can accommodate full cadavers. Storage for up to four cadavers is currently available and in the process of being expanded. Freezers for fresh frozen anatomical specimens are also available. Specialties utilizing the center for surgical anatomy teaching, research and surgical simulation include General Surgery, Otolaryngology, Orthopaedic Surgery, Emergency Medicine, Oral-Maxillofacial Surgery, Urology, and Obstetrics/Gynecology. An administrative support space is provided within the center, which allows access to support staff at all times during training/research activities.

An Orthopaedic Surgery Bioengineering Research Lab is also housed in the Bioskills Lab, which is staffed by a Bioengineer. An MTS machine is implemented with cadaveric and sawbones specimens for biomechanic testing research protocols.
ACADEMIC SCHEDULE

The basic academic schedule is:
- **Monday:** 0715: Morning Report
- **Tuesday:** 0700: Case based team presentations/preoperative conference
- **Wednesday:** 0715: Morning Report
- **Thursday:** 0715: Interesting Case Conference
- **Friday:** 0715: Morning Report
  - 0745: Rockwood and Green
  - 0830: Academics

On a monthly basis:
- Department journal club
- Morbidity and Mortality conference

Fridays in the Fall:
- 1200-1400: Anatomy lecture and cadaver dissection

Mid-November:
- Orthopaedic In-Training Exam (OITE)

Supplemental Courses/Meetings:
- AO Trauma Basic Principles Course (PGY-2)
- AO Trauma Advanced Principles Course (PGY-3)
- Microvascular Surgery Course (PGY-4)
- Enneking Orthopaedic Oncology Course (PGY-4)
- Combat Extremity Surgery Course
- American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting (if presenting research)
- Society of Military Orthopaedic Surgeons (SOMOS) Annual Meeting (if presenting research)
- Maine Orthopaedic Board Review Course (PGY-5)

Annual Events:
- Resident Research Day
- Visiting Professor Resident Graduation
- Beach Party
- OITE Party
- Holidays Party
**RESEARCH TRAINING**

Research at NMCP in the Department of Orthopaedic Surgery is considered an integral part of the residency training. During the beginning of the PGY-2 year, the resident should identify a research project. It is expected that at the completion of residency, the resident should have at least one completed project that is of publishable quality and has been submitted to an appropriate journal and/or presented at an orthopaedic meeting. Each year, the resident is expected to submit an abstract for consideration for presentation at the NMCP Department of Orthopaedic Surgery Spring Research Day.

Most of the orthopaedic staff have extensive research and publication experience. The resident should know there is ample guidance and mentorship available for projects from the staff. Various lectures and teachings throughout the year are provided by the Department of Orthopaedic Surgery as well as the clinical Investigation Department which focus on research skills and experimental setup in order to hone research techniques.

An Orthopaedic Surgery Bioengineering Research Lab is located in the Bioskills Lab, which is staffed by a Bioengineer. An MTS machine is implemented with cadaveric and sawbones specimens for biomechanic testing research protocols.

The NMCP Orthopaedic Department has a comprehensive group of fellowship trained and general orthopaedic staff surgeons, approximately 20 in number with all orthopaedic specialties represented.
NMCP Orthopaedics Program Directors

1979-1985 .................................................. Reinert, Charles
1985-1988 .................................................. Bosse, Michael
1988-1991 .................................................. Schacherer, Timothy
1991-1995 .................................................. Deafenbaugh, Martin
1995-2007 .................................................. Unger, Daniel
2007-2012 .................................................. Ruland, Robert
2012-2017 .................................................. Balsamo, Luke
2017-Present ............................................. Douglas, Thomas

Current Staff

Commander James Hammond, DO, ATC, MC, USN
Chairman, Department of Orthopaedic Surgery
Specialty Practice: Shoulder and Elbow Surgery
Undergraduate: Missouri State University
Medical School: Kansas City University of Medical and Biosciences
Residency: NMCP
Fellowship: Rush University Medical Center

Commander Thomas Douglas, MD, MC, USN
Program Director, Orthopaedic Surgery Residency
Program Specialty Practice: Foot and Ankle
Undergraduate: Williams College
Medical School: USUHS
Residency: NMCP
Fellowship: Harvard

Lieutenant Commander W. Michael Pullen, MD, MC, USN
Intern Director, Orthopaedic Surgery Residency Program
Undergrad: Christopher Newport University
Med School: Eastern Virginia Medical School
Residency: Naval Medical Center Portsmouth - Orthopaedics

Adult Reconstruction/Orthopaedic Oncology

Commander Kevin Pinkos, DO, MC, USN
Specialty Practice: Adult Reconstruction
Undergraduate: Lehigh University
Medical School: PCOM Residency: NMCP
Fellowship: New England Baptist
Clinical Interests: Hip & Knee Arthroplasty
Research Interests: Hip & Knee Outcomes

Lieutenant Commander Shannon D. Lorimer, MC, USN
Specialty Practice: Orthopaedic Oncology
Undergraduate: University of Kansas
Medical School: Kansas City University of Medicine & Biosciences Residency: Rowan University
Fellowship: University of Utah - Huntsman Cancer Institute
Clinical Interests: Benign and Malignant Musculoskeletal Lesions, Metabolic Bone Disease
Research Interests: Metabolic Bone Disease with a focus on Vitamin D Deficiency and Stress Fractures, Tumoral Response to Thermal Stimuli
Current Staff Continued

Commander Steven Grijalva, MD, MC, USN
Specialty Practice: Adult Reconstruction
Undergraduate: Excelsior College
Medical School: Uniformed Services University of the Health Sciences
Residency: Walter Reed National Military Medical Center
Fellowship: New England Baptist Hospital
Clinical Interests: Periprosthetic Hip and Knee fractures
Research Interests: Inter-prosthetic fracture fixation techniques and outcomes

Lieutenant Commander Ashton H. Goldman, MD, MC, USN
Undergrad: United States Naval Academy
Med School: Medical College of Virginia/VCU Residency: Medical College of Virginia/VCU
Fellowship: Lower Extremity Reconstruction- Mayo Clinic, Rochester, MN
Clinical Interests: Hip/Knee preservation, Primary and complex revision TKA/THA.
Research Interest: Clinical and Basic Science mechanisms on why revision total hip and revision total knee arthroplasty fail.

Foot and Ankle Surgery

Commander Thomas Douglas, MD, MC, USN
Specialty Practice: Division of Foot and Ankle Surgery
Undergraduate: Williams College
Medical School: USUHS Residency: NMCP
Fellowship: Harvard
Clinical Interests: Sport Injuries of the Foot & Ankle, Achilles Tendon Ruptures, & Foot Trauma
Research Interests: Sport Injuries of the Foot & Ankle, Achilles Tendon Ruptures, & Foot Trauma

Lieutenant Commander Conor Garry, MD, MC, USN
Specialty Practice: Division of Foot and Ankle Surgery
Undergraduate: Tufts
Medical School: Georgetown Residency: Georgetown
Clinical Interests: Sports & General Orthopaedics
Research Interests: Extensor Mechanism & Sports Injuries

Hand Surgery

Captain Robert Ruland, MD, MC, USN
Specialty Practice: Hand Surgery
Undergraduate: University of Virginia
Medical School: Eastern Virginia Medical School Residency: SUNY Stony Brook
Fellowship: Thomas Jefferson University
Clinical Interests: Hand
Research Interests: Fracture Fixation Techniques, Upper Extremity Fasciotomy
Current Staff Continued

Captain Christopher Hogan, MD, MC, USN
Specialty Practice: Hand Surgery
Undergraduate: University of Virginia
Medical School: University of Virginia Residency: University of Virginia
Fellowship: Duke University
Clinical Interests: Hand
Research Interests: Fracture Fixation Techniques

Lieutenant Commander Matthew Langford, MD, MC, USN
Specialty Practice: Hand Surgery
Undergraduate: Grove City College
Medical School: Temple University Residency: NMCP
Fellowship: Wake Forest University
Clinical Interests: Hand
Research Interests: Fracture Fixation Techniques

Lieutenant Commander Andrew Henebry, MD, MC, USN
Specialty Practice: Hand Surgery
Undergraduate: University of Notre Dame
Medical School: Emory University School of Medicine Residency: NMCP
Fellowship: OrthoCarolina Hand Fellowship
Clinical Interests: Sports & General Orthopaedics
Research Interests: Extensor Mechanism & Sports Injuries

Pediatric Orthopaedics

Eric D. Shirley, MD
Specialty Practice: Pediatric Orthopaedic Surgery
Undergraduate: Washington and Lee University
Medical School: Dartmouth Medical School Residency: Johns Hopkins Hospital
Fellowship: Children's Hospital of Philadelphia
Clinical Interests: Spinal deformity, Adolescent sports medicine, Hip dysplasia, Clubfoot
Research Interests: Shared decision making

Spine

Commander Mark Coseo, MD, MC, USN
Specialty Practice: Spine Surgery
Undergraduate: Cornell University
Medical School: USUHS Residency: NMCSD
Fellowship: Norton Leatherman Spine Institute
Clinical Interests: Spine
Research Interests: Spine Biomechanics

Sports

Captain Christopher I. Ellingson, MD, MC, USN
Specialty Practice: Sports Surgery
Undergraduate: Augustana College Sioux Falls
Medical School: Washington University, St. Louis, MO Residency: NMCP
Fellowship: Minnesota Orthopaedic Sports Medicine
Clinical Interests: Hip Arthroscopy
Research Interests: Hip Arthroscopy
Current Staff Continued

Commander C.J. Osier, MD, MC, USN
Specialty Practice: Sports Surgery
Undergraduate: Auburn University
Medical School: Emory University Residency: UT Southwestern Medical Center
Fellowship: Hughston Clinic, Columbus, GA
Clinical Interests: Knee & Shoulder Instability, Damage Control Orthopaedics
Research Interests: Knee & Shoulder Instability, Damage Control Orthopaedics

Commander James Hammond, DO, ATC, MC, USN
Specialty Practice: Shoulder and Elbow Surgery
Undergraduate: Missouri State University
Medical School: Kansas City University of Medical and Biosciences Residency: NMCP
Fellowship: Rush University Medical Center
Clinical Interests: Sports Injuries of Shoulder, Elbow, and Knee
Research Interests: Sports Injuries of Shoulder, Elbow, and Knee

Lieutenant Commander Charles Smark, MD, MC, USN
Specialty Practice: Sports Medicine and Shoulder Surgery
Undergraduate: Michigan State University, BS Physiology with Honors
Medical School: University of Miami, Miller School of Medicine Residency: NMCSD
Fellowship: Massachusetts General Hospital
Clinical Interests: Shoulder and knee injury, Tactical athlete care
Research Interest: Incorporating valuable outcome metrics into surgical practice

Lieutenant Commander W. Michael Pullen, MD, MC, USN
Intern Director, Orthopaedic Surgery Residency Program
Undergraduate: Christopher Newport University
Medical School: Eastern Virginia Medical School Residency: NMCP
Clinical Interests: Sports medicine, Shoulder, Hip, and Knee surgery
Research Interest: Shoulder Surgery, Labral Surgery, Hip Arthroscopy, ACL

Lieutenant Commander George “Christian” Balazs, MD, MC, USN
Specialty Practice: Sports Surgery
Undergraduate: Tulane University
Medical School: University of Hawaii John A. Burns School of Medicine
Residency: Walter Reed National Military Medical Center
Fellowship: Hospital for Special Surgery
Clinical Interests: Hip Arthroscopy, cartilage repair
Research Interests: orthopaedic clinical outcomes, opioid abuse/prescribing practices, surgical decision-making

Amanda L. Weller, MD, FAAOS, ATC
Specialty Practice: Sports Medicine
Undergraduate: University of Virginia
Medical School: Eastern Virginia Medical School Residency: University of Texas Southwestern
Fellowship: University of Pittsburgh
Clinical Interests: Shoulder/knee/hip arthroscopy
Research Interest: Return to play after ACL reconstruction, risk factors for ACL tear
Research Interests:

Biomechanical Fracture Fixation

Commander Colin V. Crickard, MD, MC, USN

Specialty Practice: Orthopaedic Trauma
Undergraduate: United States Naval Academy
Medical School: USUHS
Residency: NMCSD
AO Fellowship: University of Tubingen, Germany
Clinical Interests: Trauma & Deformity Correction
Research Interests: Surgical Approaches

Commander Christopher S. Smith, MD, MC, USN

Specialty Practice: Orthopaedic Trauma
Undergraduate: United States Naval Academy
Medical School: Medical College of Virginia
Residency: University of Florida College of Medicine, Jacksonville
AO Fellowship: Hospital for Special Surgery
Clinical Interests: Periarticular Fracture, Non Unions
Research Interests: Biomechanical Fracture Fixation

Podiatry

David Morgan, DPM
Dawn Bell, DPM
John Aalto, DPM
Joseph Mayr, DPM
William Chen, DPM

Physician Assistants

Michelle Pettit, PA-C
Tibby Griffin, PA-C
Kerri Browne, PA-C
Benjamin Mattox, DrPH, PA-C
Dustin Berry, PA-C

Non Operative Orthopaedic Care

Jennifer Reed, MD
Ivan Hinnant, MD

Chiropractic Care

Robert McBride, DC
Joseph Santarsier, DC
Prior Residency Graduates

The Department of Orthopaedics at NMCP has placed graduates in academic positions, competitive fellowships, and in naval hospital throughout the world as both general and subspecialized orthopaedic surgeons. Many of these individuals have gone on to both flourishing careers in Navy Medicine and others have ventured into successful civilian private practice and academic institutions. The following is a list of graduates from the NMCP Orthopaedic Program:

2019  Erdle, Nicholas  2011  Hammond, James Matiasek, Matthew Roth, Jonathan
2018  Balboni, Alana  2010  Douglas, Thomas  Cochram, Christopher Grabill, Scott Nabet, Austin  Maher, Jonathan Spears, Thomas
2017  Feaker, David  2009  Kent, Roland  Hall, Gregory Petilon, Julio Van Nielen, Dominic  Radich, Julio
2016  Frazier, Timothy  2008  White, Sharese  Mannino, Brian Pullen, William 2007  Gaines, Robert Boatwright, Robert Randall, Craig 2006  Ellingson, Christopher Zehms, Chad Henebry, Andrew Skeehan, Christopher Neal, Meredith
2015  Glassman, David  2005  Balsamo, Luke Henebry, Andrew  Humble, Byron Skeehan, Christopher Peterson, Shaun Neal, Meredith Wright, Geoffrey
2014  Fossee, Craig  2013  Goodrich, Jarod  Needham, Kenneth  Rapp, Catherine Pinkos, Kevin Stepanovich, Matthew Wilson Jr., Addison
2012  Garland, Joshua  2012  Deafenbaugh, Bradley Langford, Matthew Rockwood, Jason
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<tr>
<th>Year</th>
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<td>1983</td>
<td>Kornberg, Markus</td>
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<td>Lukowski, Peter J.</td>
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<td>Shaffer, William O.</td>
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<td>Unsicker, Carl L.</td>
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<td>Zorn, Dale T.</td>
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<td>Mullen, James E.</td>
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<td>Hutton, Patrick</td>
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<td>Karr, Michael</td>
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<td>Segarra-Vidal Juan</td>
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<td>Walsh, John J., Jr.</td>
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<td>1981</td>
<td>No Graduates..program extended to 4 Yrs</td>
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<td>Young, Stanley B.</td>
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<td>Todd Curran</td>
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<td>Biddulph, John</td>
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<td>Lochmann, Daniel</td>
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<td>Mark, James B.</td>
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</table>
Prior Residency Graduates Continued

1960  Gilchrist, Don K.  Laurie, James H.  Moga, Gregg M., Jr.  Weir, Gordon  Gunay, Turban (59-1/60: observership, Ortho, Turkish Navy

1959  Wilson, George

1958  Waive, Henry J.

1957  Heaton, Samuel  Helfer, Sidney (Jan 57, requested ortho residency)

Current Residents

2020  Cancian, John  Lee, Chihua

2021  Olsen, Aaron  Manson, Hicks

2022  Katsma, Mark  Kotler, Joshua

2023  Griffis, Clare  Kallevang, Johnathan  Wyatt, John

2024  Foley, Kevin  Sanderson, Galen  Dawood, Rehan  Ostrofe, Amy  Ernst, Andrew  Nevins, Colin  Harrison, James  Langford, Philip  Johnson, Daniel  Sheppard, Sean  Mushuer, David  Tardiff, Robert

Selected Publications

Selected Publications


Selected Publications


Selected Publications


Krueger CA, Hoffman JD, Balazs GC, Johnson AE, Potter BK, Belmont PJ. Protected resident research time does not increase the quantity or quality of residency program research publications: A comparison of 3 orthopedic residencies. *Journal of Surgical Education*. 2017 Mar/Apr; 74(2):264-70.


Selected Publications

Goldman, A.H., & Kates, S. Pay-for-performance in orthopedics: how we got here and where we are going. *Current reviews in musculoskeletal medicine*. 2017; 10(2), 212-217.


Application Process and Interviews

Our Program is approved for four positions per year group by the ACGME. Once selected you are guaranteed a spot in our Residency. After your PGY-1 year you will either be selected to continue through to complete your Residency or be required to do a GMO/FS/UMO tour. When you have completed your tour you are guaranteed a training spot back with the program. The Orthopaedic Surgery Residency is very competitive. Applicants are encouraged to complete a rotation and interview with the program during the application period.

Navy GME application deadlines change yearly. See your Program Advisor for current submission requirements and deadlines. Residents are selected each December at the selection meeting in Washington, D.C. Results are announced in mid-December.
Clerkships

Medical students in their third and fourth year are encouraged to rotate with the Department of Orthopaedics. Upon arrival, the student will be assigned to a specific team. Students who have rotated at Portsmouth obtain an unparalleled experience as they assimilate into all aspects of the orthopaedic team. The student will share clinical responsibilities, participate in emergency care, and assist with cases in the operating room, and function as a junior member of the team. The rotation is also an excellent time to learn more about the residency program and application guidelines.

Students interested in completing a clerkship in the Department of Orthopaedic Surgery or Interview should fill out a clerkship request online at http://www.med.navy.mil/sites/nmcp/Dept/SitePages/GMED/default.aspx
The Orthopaedic Surgery Residency Coordinator is Kelley Jacobson at (757) 953-1814 or via email at kelley.r.jacobson.civ@mail.mil
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Inquiries

If you are interested in a residency in Orthopaedic Surgery at Naval Medical Center Portsmouth and you have additional questions please contact Kelley Jacobson, the Department of Orthopaedic Surgery Residency Coordinator.