JOHNS HOPKINS
PEDIATRIC
ORTHOPAEDIC
SURGERY
FELLOWSHIP
Downtown Baltimore in the distance as seen from the Johns Hopkins medical campus in foreground

Johns Hopkins International Center for Orthopaedic Advancement Orthopaedic Skills Lab

Johns Hopkins Pediatric ORs at work
OUR STORIED HISTORY

A Century of Excellence

Johns Hopkins Department of Orthopaedic Surgery has a long tradition of strong academic medicine and innovation. William Halsted trained and then appointed William Baer as one of the first orthopaedic surgery department heads in the country, and Dr. Baer in turn, trained a large percentage of the orthopaedic leaders throughout the world.

For 82 years Children’s Hospital of Baltimore was the premier surgical training facility for orthopaedics in the country. The function of this hospital has been replaced with the expanded pediatric activities of Johns Hopkins Hospital and the establishment of the Johns Hopkins Hospital Children’s Center.

Our tradition of leadership involved pediatrics from the start. Dr. Baer established a pediatric orthopaedic hospital in Baltimore in 1909. The new Bloomberg Children’s Center is a full-service pediatric center. It contains 205 beds plus a 41 bed Pediatric ICU and a 45-bed NICU.

A full complement of referral services is available including a dedicated Level One pediatric emergency department.

Our tradition of leadership involved pediatrics from the start. Dr. Baer established a pediatric orthopaedic hospital in Baltimore in 1909.

It is the only such facility in Maryland and this wide catchment and referral base provides the opportunity for exposure to all common pediatric orthopaedic injuries, as well as many rare ones including a wide variety of spinal column injuries.

Prior notable Hopkins pediatric orthopaedic surgeons include Drs. Vernon T. Tolo (President of AAOS, POSNA and SRS), Paul P. Griffin (POSNA president), and Nancy H. Miller (leader in the study of Scoliosis Genetics).

The Pediatric Orthopaedic service currently carries out 1,200 surgical procedures and 10,000 clinical visits yearly.
PROCEDURES TAUGHT

In this program, you will have the opportunity to learn:

- Spinal instrumentation – anterior and posterior
- SAI fixation of the pelvis
- Growing Rods
- VEPTR
- Percutaneous spondylolysis stabilization
- Periacetabular (Ganz/Bernese) Osteotomies
- Hip Arthroscopy
- Surgical Hip Dislocation
- Physeal-sparing ACL reconstruction
- Osteochondritis Dissecans management
- Simultaneous Multi-level Surgery for CP
- Crouch Correction in CP
- Pediatric Trauma management (from A to Z)
- Bladder Extrophy Osteotomies

OUR PEDIATRIC ORTHO TEAM

Five Attendings
One Fellow
One Chief Resident
Two Physician Assistants
Four Nurse Practitioners
Four Residents

WEEKLY TEACHING SCHEDULE

- **Daily:** Radiology Board Rounds
- **Monday:** Attending Teaching Conference
- **Tuesday:** Physical Exam Session
- **Wednesday:** Resident Teaching Conference
- **Thursday:** Grand Rounds
- **Friday:** Preoperative Conference

MONTHLY FELLOW CONFERENCE

One-on-one hour with attending discussing key articles and cases in one subspecialty.

FELLOWSHIP CLINICAL OPPORTUNITIES

There is ample opportunity to be involved in specific cases as well as teaching and mentoring junior and senior residents in addition to medical students.

The fellow will have his or her own clinic and will be able to operate on cases generated from that clinic after formulating a plan with the faculty.

The fellow will also be able to experience Pediatric Call once oriented to the Children's Center.
OUR FACULTY

Our division is led by professor Paul Sponseller, who has been with Johns Hopkins for 27 years. His areas of special interest include scoliosis, spinal deformities, trauma, Marfan Syndrome, Loeys-Dietz Syndrome, and the treatment of bladder extrophy.

He is on the Board of Directors of the Scoliosis Research Society and the Growing Spine Foundation, and has held leadership positions in the Pediatric Orthopaedic Society of North America and the Maryland Orthopaedic Society.

Paul D. Sponseller, M.D.

Michael Ain has a worldwide referral base of patients with skeletal dysplasias and is a recognized leader in pediatric orthopaedics. He performs a high volume of various scoliosis corrections.

Dr. Ain also treats a comprehensive number of general pediatric orthopaedic patients with conditions, including, but not limited to achondroplasia, pediatric trauma, pediatric spinal deformities, skeletal dysplasia, and hip dysplasia.

Michael C. Ain, M.D.

John Tis is an expert in the treatment of pediatric sports injuries including ACL reconstruction, patellar dislocation, and arthroscopic hip labrum repair.

In addition to taking care of children with sports injuries, Dr. Tis also specializes in young adult hip preservation including Legg-Calve-Perthes, SCFE, and developmental dysplasia of the hip.

John E. Tis, M.D.

Ranjit Varghese is a specialist in pediatric neuromuscular disorders, with a specific emphasis in cerebral palsy.

Dr. Varghese’s areas of clinical interest also include children’s hip and foot disorders, including clubfoot, toe walking, Perthes Disease, and developmental dysplasia of the hip.

His research interests include cerebral palsy, hip disorders, and outcomes evaluation.

Ranjit A. Varghese, M.B.B.S., M.Sc.

R. Jay Lee is a specialist in pediatric sports medicine for children, and adolescents with a wide range of orthopaedic and sports medicine issues. His areas of clinical interest include the arthroscopic and open treatment of sports-related injuries, including knee, shoulder, elbow, ankle, and hip issues.

Dr. Lee’s expertise and research interests include growth plate sparing ACL reconstruction, complex ligament reconstruction in growing patients, and optimizing fracture care.

Rushyuan Jay Lee, M.D.
FELLOWSHIP RESEARCH OPPORTUNITIES

Each fellow is expected to carry out at least one clinical research project during the year. This should be determined and planned with an attending mentor in advance of arrival so that no delays occur.

FELLOW RESEARCH PROJECTS


Paloski M, Sponseller PD. “Is There An Optimal Time Interval to Distract Dual Growing Rods?” Accepted, Spine Deformity.


CURRENT APPOINTMENT

1988  Steven L. Buckley, M.D.  Sports MED Ortho Surgery & Spine Center, Huntsville, AL
1989  Brian E. Black, M.D.  Sports Medicine & Ortho Center, Milwaukee, WI
1995  J. David Thompson, M.D.  Grapevine, TX
1995  Donald Diverio, D.O.  AO Orthopedic, Morristown, NJ
1996  Michael C. Ain, M.D.  Johns Hopkins University, Baltimore, MD
1997  Richard Y. Hinton, M.D., M.P.H.  Union Memorial Hospital, Baltimore, MD
1998  Barry Berger, M.D.  USAS Orthopaedics, Allentown, PA
2004  Daniel G. Hoernschemeyer, M.D.  Associate Professor, University of Missouri, Columbia, MO
2009  Suzanne Jaffe Walters, M.D.  D.C. Children’s Hospital, Washington, DC

2010  David J. Leu, M.D.  Sinai Hospital, Baltimore, MD
2011  Meredith Lazar-Antman, M.D.  Winthrop University, Mineola, NY
2012  Michael Paloski, D.O., M.B.A.  Ortho Carolina, Charlotte, NC
2013  Ahmed Bazzi, D.O.  Children’s Hospital of Michigan, Detroit, MI
2014  Urvij Mahendrakumar Modhia, M.D.  Associate Professor, University of New Mexico
2015  Amit Merchant, M.D.  Hackensack University Medical Center, Hackensack, N.J.

For detailed information please contact:
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BALTIMORE: A historical city filled with eclectic neighborhoods, diverse colleges, a booming waterfront, world-class history and incredible scenery.

LIVING IN BALTIMORE
Baltimore has many fantastic cultural outlets that are second to none. Among other points of interest, The National Aquarium in Baltimore is one of the world’s best. The Baltimore Museum of Art houses the most comprehensive collection of work done by Henri Matisse in the world. The Baltimore Symphony Orchestra is in the top tier nationally. The Walters Art Gallery has another world-class collection.

Baltimore is also home to a fantastic variety of restaurants including numerous crab shacks with what is considered to be the world’s best crab. Baltimore also is home to the Baltimore Orioles Major League baseball team as well as The Baltimore Ravens of the National Football League.

One of the unique features of Baltimore is its central location in the Mid-Atlantic with easy access to New York, Philadelphia and Washington, D.C. as well as the fabled Chesapeake waterways leading to the Eastern Shore.

<table>
<thead>
<tr>
<th>Location</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Philadelphia, Pennsylvania</td>
<td>1.5 hours</td>
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<tr>
<td>Washington, D.C.</td>
<td>1 hour</td>
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<tr>
<td>Ocean City, M.D.</td>
<td>3 hours</td>
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<tr>
<td>Cape May, N.J.</td>
<td>3 hours</td>
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<tr>
<td>Deep Creek Lake, M.D.</td>
<td>3 hours</td>
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<tr>
<td>Middleburg, V.A.</td>
<td>2 hours</td>
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