29th Annual
Baltimore Limb Deformity Courses
August 21–25, 2019 • Four Seasons Hotel, Baltimore, Maryland, USA

Course Chair:
• John Herzenberg, MD

Course Directors:
• Michael Assayag, MD
• Christopher Bibbo, DO
• Janet Conway, MD
• Philip McClure, MD
• Noman Siddiqui, DPM
• Shawn Standard, MD

Pre-Courses (Wednesday, August 21):
• Cadaver Lab: To the Tibia and Below!
• Cadaver Lab: Complex Pediatric Hip/Pelvis Surgery
• Ponseti @ 20

Baltimore Limb Deformity Course
(Thursday, August 22 – Saturday, August 24)

Post-Course (Sunday, August 25):
• Six-Axis Deformity Correction: Boot Camp

www.DeformityCourse.com
29th Annual Baltimore Limb Deformity Course

• Basic and advanced limb reconstruction concepts:
  • Limb alignment
  • Corrective osteotomies
  • Limb lengthening
  • Internal and external fixation
• Intended for orthopedic surgeons, podiatrists, and allied health professionals who treat lower extremity deformities. No prior experience required.
• The 2018 Course was attended by more than 375 attendees from 44 foreign countries and 31 U.S. states.

• Highlights of the 2019 course will include:
  • Hands-on sawbone labs (internal and external fixation)
  • Interactive adult, pediatric, and foot participant case presentations
  • Internationally renowned faculty
  • Option to choose a lab group that focuses on adult orthopedics, pediatric orthopedics, or foot/ankle applications (group assignments based on early registration)
  • Option to choose break-out sessions on adult, pediatric, and foot/ankle topics
• Innovative apps:
  • Multiplier: This free app predicts values at maturity (upper and lower limb length discrepancy, bone length, lower extremity length, height, and epiphysiodesis timing).
  • Bone Ninja: This iPad app teaching tool was developed by Drs. Standard and Herzenberg at the International Center for Limb Lengthening, Sinai Hospital of Baltimore. The Bone Ninja is designed to help surgeons analyze deformities. Note: Please bring your iPad. If you do not own an iPad, you will be able to rent one for three days (advanced reservation required). All registrants of the three-day Baltimore Limb Deformity Course will receive a registration fee discount that they can apply to the purchase of the Bone Ninja app.

Hotel Information: The course venue is the Four Seasons Hotel (200 International Drive) in the heart of Baltimore’s Inner Harbor. The chic hotel is located 20 minutes from Baltimore-Washington International Airport (BWI) and 90 minutes from Washington Dulles International Airport (IAD). The discounted per-room fee for course attendees is $224 per night (plus tax). The room rate includes complimentary basic guestroom Internet connectivity. It is highly recommended that you make your reservations early. The discounted rate is offered on a space-available basis through Wednesday, July 31, 2019 (5 p.m. Eastern Standard Time). To make a reservation, visit www.fourseasons.com/baltimore, select the dates of your reservation, click on “Corporate/Promo Code,” and then enter code “CI0819SI”. You can also call 1.410.576.5800, ask for in-house reservations, and mention “Limb Deformity Course” to receive the discounted group rate.

Parking: For those driving to the Four Seasons Hotel daily, we have arranged for a discounted daytime valet parking rate of $10/day. This rate does not apply to self-parking during the day or to overnight parking (currently $40 for valet and $32 for self-parking per night).

American Disabilities Act: If you require special accommodations to attend or to participate, please fax (1.410.601.0585) notification of your needs at least 30 days in advance of your arrival.

Disclosure Policy: It is the policy of Sinai Hospital of Baltimore, a LifeBridge Health Center, to comply with the Accreditation Council for Continuing Medical Education (ACCME) Standards for Commercial Support of Continuing Medical Education. All faculty participating in sponsored or jointly sponsored programs by Sinai Hospital of Baltimore are required to disclose to the program audience any real or apparent conflict(s) of interest related to the content of their presentation(s). In accordance with the ACCME requirements on disclosure information, relationships of presenters with commercial interests (if any) will be included in materials distributed at the time of the Course.
Pre- and Post-Course Options

Visit www.DeformityCourse.com for the latest information. NOTE: You can enroll in any pre- or post-course without taking the Baltimore Limb Deformity Course.

PRE-COURSE:

**Cadaver Lab: To the Tibia and Below!**

*Wednesday, August 21, 2019*

**Limited Registration**

Course Times: 7:00 a.m. – 5:00 p.m.

Course Directors:
- Noman Siddiqui, DPM
- Christopher Bibbo, DO
- Michael Assayag, MD

- Deformity correction applications for the foot and ankle
- Bony and soft-tissue procedures, including peroneal and hemisoleus muscle flaps and medial plantar artery flap
- Percutaneous osteotomies (Gigli saw): distal tibia and midfoot
- Baumann and Vulpia procedures for gastrocnemius-soleus recession
- Percutaneous anterior compartment fasciotomy
- Peroneal nerve decompression
- Tarsal tunnel decompression
- Posterior tibial tendon transfer
- Application of circular external fixation

PRE-COURSE:

**Cadaver Lab: Complex Pediatric Hip/Pelvis Surgery**

*Wednesday, August 21, 2019*

**Sold Out**

Course Times: 8:30 a.m. – 6:30 p.m.

Course Director: Shawn Standard, MD

- Dr. Standard will lead a small group of participants through a rigorous, hands-on course that will demonstrate advanced surgical reconstruction techniques of the pediatric hip.
- The morning will be dedicated to lectures on surgical techniques.
- The afternoon will be spent performing complex lower limb surgical techniques on cadaveric specimens and bone models. Participants will use fluoroscopic and surgical equipment throughout the hands-on cadaver and bone model portions of the lab.
- Techniques will include surgical dislocation, acetabular osteotomies, varus/valgus osteotomies with blade plates, and the Morscher osteotomy.

PRE-COURSE:

**Ponseti @ 20**

*Wednesday, August 21, 2019*

**Limited Registration**

Course Director: John Herzenberg, MD

Approximately 130,000 infants with congenital clubfoot are born worldwide each year. The goal of this pre-course is to review where we stand a little more than two decades into the gradual adoption and acceptance of the Ponseti method as an effective, inexpensive treatment. Newer applications, including vertical talus and teratologic/atypical feet, will be covered.

Performing extensive surgery to treat clubfoot often leads to poor results. The late Dr. Ignacio Ponseti determined that idiopathic clubfoot in an otherwise normal child can be corrected in less than three months by performing manipulations and casting. Minimal surgery or no surgery is required. At long-term follow-up, feet treated by the Ponseti method tend to be strong, flexible, and free of pain. The course format will include lectures, a hands-on workshop, discussions, and patient demonstrations.

POST-COURSE:

**Six-Axis Deformation Correction: Boot Camp**

*Sunday, August 25, 2019*

**Limited Registration**

Course Chairs:
- Philip McClure, MD
- John Herzenberg, MD

Course Directors:
- Michael Assayag, MD
- Janet Conway, MD
- Noman Siddiqui, DPM
- Shawn Standard, MD

- Back by popular demand, this intense course will focus on deformity analysis, planning, and correction using six-axis frames. Each small group of participants will work with a dedicated instructor to plan and correct 10 deformities during this one-day course. During the afternoon session, participants will be able to focus on either orthopedic cases or foot and ankle cases.
- The six-axis frames will be pre-mounted on deformed sawbones and then given to each group. Participants will be provided with the same information that a surgeon has after mounting the frame: strut numbers, strut lengths, and mounting x-rays obtained in the operating room.
- The groups will analyze the deformities, plan the corrections, enter the data into the software program, and then perform the corrections.

POST-COURSE:

**Cadaver Lab: Complex Pediatric Hip/Pelvis Surgery**

*Wednesday, August 21, 2019*

**Sold Out**

Course Times: 8:00 a.m. – 5:00 p.m.

Course Director: Shawn Standard, MD

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- Techniques will include surgical dislocation, acetabular osteotomies, varus/valgus osteotomies with blade plates, and the Morscher osteotomy.
### Course Fees

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Date</th>
<th>Registration Status</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baltimore Limb Deformity Course</td>
<td>Thursday, August 22 – Saturday, August 24</td>
<td>Limited Registration</td>
<td>$1,275 U.S. Physician/Podiatrist, $1,425 Non-U.S. Physician, $1,275 Resident/Fellow/Allied Health*</td>
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<tr>
<td>Cadaver Lab: To the Tibia and Below!</td>
<td>Wednesday, August 21</td>
<td>Limited Registration</td>
<td>$995</td>
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<td></td>
</tr>
<tr>
<td>Ponseti @ 20</td>
<td>Wednesday, August 21</td>
<td>Limited Registration</td>
<td>$695 Physician/Podiatrist, $475 Resident/Fellow/Allied Health*</td>
</tr>
<tr>
<td>Post-Course</td>
<td>Six-Axis Deformity Correction: Boot Camp</td>
<td>Limited Registration</td>
<td>$425 Physician/Podiatrist, $525 Resident/Fellow/Allied Health*</td>
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### iPad Rental Reservation

Reservation required in advance for 3-day iPad rental. A $200 cash deposit is required at pick-up and will be refunded if iPad is returned in good condition no later than 6:00 p.m. on Saturday, August 24. $70 + $ ______

### Welcome Dinner

Thursday, August 22: Course attendees receive one dinner ticket with registration. $100 x ______ = $ ______

### Pre-Courses

Because the pre-courses are offered simultaneously, registrants may select only one. If full payment is not received, your name will be placed on a wait list and the course may be sold out when fees are finally paid.

- **Cadaver Lab: To the Tibia and Below!** $995
- **Cadaver Lab: Complex Pediatric Hip/Pelvis Surgery** Sold Out
- **Ponseti @ 20** $695 $475

### Late Fee

A $200 late fee will automatically apply to all payments received or postmarked after July 21, 2019. $200 + $ ______

### Bone Ninja App Discount

Do you already have the Bone Ninja app loaded on your iPad?**

- Yes, deduct $50 from your registration fee $50 – $ ______
- No, deduct $50 from your registration fee and visit the App Store to purchase the app on your own (cost: $50) $50 – $ ______

### Multiple Course Discount

Deduct $50 if you are a paid registrant of the three-day Deformity Course plus one or more Pre- or Post-Courses $50 – $ ______

**TOTAL DUE = $ ______

*Residents or fellows must provide a letter from their residency or fellowship director to qualify for the reduced fee. If the letter is not received with registration, the physician/podiatrist rate will be assessed.

**Note: The Bone Ninja app works only on iPad devices.

### How did you hear about this course?

- AAOS Annual Meeting
- ASAMI Meeting
- Controversies in Pediatric Limb Reconstruction Meeting
- EPOS Meeting
- ILLRS Meeting
- IPOS Meeting
- LLRS Meeting
- Sales Representative (please specify):
- Other Meeting/Source (please specify):

### Payment Methods

**You are not considered a confirmed registrant until the registration fees are paid in full. Your name will be placed on a wait list until payment has been obtained. All registrations with unpaid balances on June 15, 2019, will be cancelled automatically and re-registration will be required.**

We accept VISA, MasterCard, American Express, checks, and bank drafts payable in U.S. funds:

- I wish to pay by: ☐ credit card ☐ check ☐ bank draft
- To pay by credit card, you can use online, mail-in, or faxed registration.
  - For online registration, please visit our web site: www.DeformityCourse.com.
  - For faxed registration, please fax this form to 1.410.601.0585.
- To pay by check, make checks payable in U.S. funds to “Baltimore Limb Deformity Course/Sina” and mail to:
  - Madeline Bacon
  - Baltimore Limb Deformity Course
  - Rubin Institute for Advanced Orthopedics
  - Sinai Hospital of Baltimore
  - 2401 West Belvedere Avenue
  - Baltimore, Maryland 21215 USA

To pay by bank draft, contact Madeline Bacon to obtain instructions.

(E-mail: mbacon@lifebridgehealth.org or tel: 1.410.601.9798)

### For mail-in or faxed registration, PLEASE COMPLETE LEGIBLY:

- (NOTE: E-mail address is required; one form per registrant.)
- Credit Card Type: ☐ VISA ☐ MasterCard ☐ American Express
- Credit Card Number: __________________________
- Expiration Date: _______________________
- Name of Cardholder: __________________________
- Signature of Cardholder: _______________________
- Cardholder’s E-mail (required): __________________
- Full Name of Registrant: _______________________
- Professional Degree (e.g., MD): __________________
- Address: __________________________
- City: __________________________ State/Province: __________________
- Zip/Postal Code: ____________
- Country: __________________
- Phone Number: ________________________________
- Fax: _______________________________
- If outside of the U.S., please include country and city codes

### Cancellation Policy

A refund (less a $75 administrative charge) will be extended for written cancellations postmarked on or before May 31, 2019. Refunds made in response to written cancellations with a June 1 through June 30, 2019, postmark will incur a $200 cancellation fee. No refunds will be made for cancellations that are postmarked July 1, 2019, or later, and no refunds will be made in response to oral cancellations at any time.

### Photo Policy

We will be taking photographs at this event. LifeBridge Health may publish photographs of you for educational, promotional, or advertising purposes. By enrolling in any of the courses provided by LifeBridge Health, you are agreeing to the use of your image for these purposes.

*The 2018 Course was made possible through educational grant and in-kind equipment support from: Avitus Orthopaedics • CyMedica Orthopedics • DePuy Synthes MHE Coalition • NuVasive Specialized Orthopedics • Orthofix OrthoPediatics • Paragon 28 • Smith & Nephew Stryker • Vilex • Zimmer Biomet*