

28th Annual

Baltimore Limb Deformity Course

August 24–26, 2018 • Four Seasons Hotel, Baltimore, Maryland, USA

Course Chair:

- John Herzenberg, MD

Course Directors:

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

Cadaver Lab Pre-Courses (Thursday, August 23):

- To the Tibia and Below!
- Complex Pediatric Hip/Pelvis Surgery

Pre-Course (Thursday, August 23 – Friday, August 24):

- Evaluation and Treatment of Knee and Ankle Contractures

Post-Course (Monday, August 27):

- Six-Axis Deformity Correction: Speed Planning



28th 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 2017 Course was attended by more than 250 doctors from 32 foreign countries and 30 U.S. states.

• Highlights of the 2018 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 the Bone Ninja app for free.



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 \$222 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 Tuesday, July 31, 2018 (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 "CI0818SI". You can also call 1.410.576.5800, ask for in-house reservations, and mention "Limb Course" as well as the code "CI0818SI" 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 \$8/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-/post-course without taking the Baltimore Limb Deformity Course.

PRE-COURSE:

Cadaver Lab: To the Tibia and Below!

Thursday, August 23, 2018

Limited Registration

Course Times: 7:15 a.m. – 5:00 p.m.

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

- Deformity correction applications for the foot and ankle
- Bony and soft-tissue procedures, including muscle flaps
- Percutaneous osteotomies (Gigli saw): proximal tibia and midfoot
- Brachymetatarsia: acute metatarsal correction
- Supramalleolar ankle focal dome osteotomy
- Percutaneous correction of hallux valgus
- Baumann and Vulpius 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

Thursday, August 23, 2018

Very Limited Registration

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:

Evaluation and Treatment of Knee and Ankle Contractures: Lectures, Demonstrations, and Hands-On Labs

Thursday, August 23 – Friday, August 24, 2018

Limited Registration

Course Director: Anil Bhavé, PT

This course is primarily intended for physical therapists. Participants have the option of attending one day or both days described below. Please note that Day 2 of this pre-course conflicts with the first day of the Baltimore Limb Deformity Course (Friday, August 24).

Day 1 (Thursday, August 23, 2018): Evaluation and Treatment of Knee Contractures: Lectures and Demonstrations

Course Times: 8:00 a.m. – 5:00 p.m.

This comprehensive course will introduce the latest advances in non-surgical prevention and treatment of knee contractures. During the morning session, therapies such as manual therapy, soft-tissue mobilization, static-progressive splints, dynamic casting, braces, extension-assist orthoses, and electrical muscle stimulation will be discussed. Strategies to treat various pathologies, including contractures resulting from lengthening, knee replacement, ligament reconstruction, and trauma, will be presented. Newer concepts of muscle activation deficits caused by Arthrogenic Muscle Inhibition (AMI) and resulting loss of range of motion (ROM) will be introduced. During the afternoon session, participants will learn techniques to prevent and treat knee ROM deficits through video as well as live demonstrations with patients.

Day 2 (Friday, August 24, 2018): Treatment of Knee and Ankle Contractures: Demonstrations and Hands-on Labs

Course Times: 8:00 a.m. – 5:00 p.m.

Extensive hands-on labs and faculty demonstrations will introduce participants to innovative non-surgical treatments for knee and ankle contractures. During hands-on labs, participants will fabricate removable custom dynamic casts to treat knee flexion, knee extension, and ankle dorsiflexion contractures. This evidence-based method has been successfully used at the Rubin Institute for past 17 years to improve ROM. Non-surgical therapies such as manual therapy, soft-tissue management (i.e., Astym), braces, static-progressive splints, extension-assist orthoses, and electrical muscle stimulation will also be demonstrated.

POST-COURSE:

Six-Axis Deformity Correction: Speed Planning

Monday, August 27, 2018

Limited Registration

Course Times: 8:00 a.m. – 5:00 p.m.

Course Directors: John Herzenberg, MD
Philip McClure, MD

- 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.



Registration

Visit www.DeformityCourse.com for the latest information.

NOTE: You can enroll in any pre-/post-course without taking the Baltimore Limb Deformity Course. Last year's courses sold out, so early registration is advised.

Course Fees

Baltimore Limb Deformity Course

Friday, August 24 – Sunday, August 26

- | | |
|---|---------|
| ☐ U.S. Physician/Podiatrist | \$1,695 |
| ☐ Non-U.S. Physician | \$1,425 |
| ☐ Resident/Fellow/Allied Health* | \$1,275 |

Select your preferred lab group (Some lab groups fill up quickly. Early registration is recommended. Placement is based on lab availability when registration fees are paid in full.): ☐ Adult Orthopedics ☐ Pediatrics ☐ Foot and Ankle

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 Sunday, August 26. \$60 + \$ _____

Welcome Dinner

Friday, August 24 *Course attendees receive one dinner ticket with registration.*

- | | |
|--|--------------------------|
| ☐ Additional Welcome Dinner Tickets | \$100 x _____ = \$ _____ |
| Subtotal | = \$ _____ |

Pre-Courses

Please avoid selecting courses that have conflicting dates. 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! \$975

Thursday, August 23 **Limited Registration**

Included in registration fee:

- Bone Ninja Scrubs – Select Size: ☐ S ☐ M ☐ L ☐ XL ☐ XXL
- Cadaver Lab Videos on USB

☐ Cadaver Lab: Complex Pediatric Hip/Pelvis Surgery \$1,150

Thursday, August 23 **Very Limited Registration**

Included in registration fee:

- Bone Ninja Scrubs – Select Size: ☐ S ☐ M ☐ L ☐ XL ☐ XXL

Evaluation and Treatment of Knee and Ankle Contractures: Lectures, Demonstrations, and Hands-On Labs

Thursday, August 23 – Friday, August 24 **Limited Registration**

- | | |
|---|-------|
| ☐ Thursday, August 23 only OR ☐ Friday, August 24 only | \$350 |
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Note: The Friday session will occur during the first day of the Baltimore Limb Deformity Course.

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| ☐ Thursday, August 23, and Friday, August 24 | \$695 |
|---|-------|

Post-Course

Six-Axis Deformity Correction: Speed Planning

Monday, August 27 **Limited Registration**

- | | |
|---|-------|
| ☐ Physician/Podiatrist | \$525 |
| ☐ Resident/Fellow/Allied Health* | \$425 |

Pre-/Post-Course Subtotal = \$ _____

Late Fee

A \$200 late fee will automatically apply to all payments received or postmarked after July 15, 2018 \$200 + \$ _____

Multiple Course Discount

Deduct \$100 if you are a paid registrant of the three-day Deformity Course plus one or more Pre- or Post-Courses \$100 – \$ _____

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.**

How did you hear about this course?

- | | |
|---|--|
| ☐ AAOS Annual Meeting | ☐ Colleagues |
| ☐ ASAMI Meeting | ☐ Course Mailings |
| ☐ EPOS Meeting | ☐ Web Site |
| ☐ EPOSNA Combined Meeting | ☐ Internet Link |
| ☐ ILLRS Meeting | ☐ Course E-mail Notification |
| ☐ IPOS Meeting | ☐ Journal of Limb Lengthening & Reconstruction Ad |
| ☐ LLRS Meeting | |
| ☐ POSNA 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 July 1, 2018, 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/Sinai" 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: _____

Security Code: _____ 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: _____

If outside of the U.S., please include country and city codes

Fax: _____

If outside of the U.S., please include country and city codes

Registrant's E-mail (required): _____

Cancellation Policy

A refund (less a \$75 administrative charge) will be extended for written cancellations postmarked on or before May 31, 2018. Refunds made in response to written cancellations with a June 1 through June 30, 2018, postmark will incur a \$200 cancellation fee. No refunds will be made for cancellations that are postmarked July 1, 2018, or later, and no refunds will be made in response to verbal 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 2017 Course was made possible through educational grant and in-kind equipment support from:

**Smith & Nephew • NuVasive Specialized Orthopedics • Orthofix
Stryker • DePuy Synthes • OrthoPediatrics • Zimmer Biomet
AMDT Holdings • Merete Technologies • MHE Coalition**