



22nd Annual

Baltimore Limb Deformity Courses

at the Marriott Waterfront Hotel

August 30 – September 4, 2012

www.DeformityCourse.com

August 30, 2012

Pre-Course
Ponseti Method
for Clubfoot
Treatment

Pre-Course
Cadaver Lab:
Lower Extremity

September 3–4, 2012

Post-Course
Advanced Applications
of the
Taylor Spatial Frame

Course Chair

John E. Herzenberg, MD

Course Directors

Janet D. Conway, MD
Shawn C. Standard, MD
Bradley M. Lamm, DPM

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Special Event
Bicentennial
Celebration
of the War of 1812

22nd ANNUAL BALTIMORE LIMB DEFORMITY COURSE
Friday, August 31 – Sunday, September 2, 2012

This course has been the standard in teaching lower extremity alignment over the past two decades. It is intended for orthopedic surgeons, podiatrists, and allied health professionals who treat long-bone deformities. No prior experience is required.

Faculty:

Professor Roger M. Atkins	<i>Bristol, United Kingdom</i>
Anil Bhawe, PT	<i>Baltimore, Maryland</i>
James C. Binski, MD	<i>Dayton, Ohio</i>
Janet D. Conway, MD	<i>Baltimore, Maryland</i>
Gavin de Kiewiet, MD	<i>Sunderland, United Kingdom</i>
Rudolf Ganger, MD	<i>Vienna, Austria</i>
Stuart A. Green, MD	<i>Orange, California</i>
John E. Herzenberg, MD	<i>Baltimore, Maryland</i>
Alexander Kirienko, MD	<i>Milan, Italy</i>
Bradley M. Lamm, DPM	<i>Baltimore, Maryland</i>
Guido A. LaPorta, DPM	<i>Dunmore, Pennsylvania</i>
Alexander Lerner, MD	<i>Haifa, Israel</i>
L. Scott Levin, MD	<i>Philadelphia, Pennsylvania</i>
Robert V. O'Toole, MD	<i>Baltimore, Maryland</i>
Trevor M. Owen, MD	<i>Boston, Massachusetts</i>
Andrew N. Pollak, MD	<i>Baltimore, Maryland</i>
Christof Radler, MD	<i>Vienna, Austria</i>
Shawn C. Standard, MD	<i>Baltimore, Maryland</i>
J. Charles Taylor, MD	<i>Memphis, Tennessee</i>
William D. Terrell, MD	<i>Marietta, Georgia</i>
Frederic B. Wilson, MD	<i>Phoenix, Arizona</i>

The course features lectures, deformity planning sessions, hands-on labs, and an internationally renowned faculty.

- ★ Saw bone labs: Smith & Nephew, Orthofix, and Synthes systems
- ★ Deformity planning on digital radiographs
- ★ “Trauma” and “Foot” break-out sessions
- ★ Newest version of the Multiplier App, which predicts the following values at maturity: upper and lower limb-length discrepancy, bone length, lower extremity length, height, and limb-length discrepancy at birth and at maturity (from prenatal ultrasound). Download free from iTunes or the Android Market.
- ★ Attendees can bring adult, pediatric, and foot cases to interactive evening sessions
- ★ Participants of the 2011 Course came from 35 countries and 27 states in the USA

Our goals are to introduce basic and advanced concepts in limb alignment, corrective osteotomies, and internal and external fixation for limb reconstruction, including lengthening and realignment. Topics include:

- ★ Single-level and double-level tibial and femoral deformities
- ★ Sagittal and oblique plane deformities
- ★ Rotational deformities
- ★ Foot and ankle deformities
- ★ Monolateral/circular external fixation
- ★ Gait implications for angular and rotational deformities
- ★ Measurement of deformity on plain film and digital radiographs
- ★ Surgical techniques for lower extremity osteotomies
- ★ Consequences of joint malorientation and malalignment
- ★ Fixator-assisted plating and nailing
- ★ Limb-lengthening techniques



Fort McHenry

courtesy of National Park Service

FRIDAY, AUGUST 31, 2012 • Special Event: “The War of 1812”

The War of 1812 was fought both on land and at sea in the upper colony of Canada and along the U.S. borders by those of the United States of America and of the British Empire. The Battle of Baltimore was a major turning point in the War of 1812 as American forces repelled British attacks on the thriving port city. The British assault at Baltimore’s Fort McHenry inspired Francis Scott Key to compose the poem “Defence of Fort McHenry,” which later became the lyrics for the American national anthem, “The Star-Spangled Banner.” To commemorate the 200th anniversary of the War of 1812, prominent historian Dr. Ralph Eshelman will discuss the significance of this war and its impact on Baltimore and the United States.

SATURDAY, SEPTEMBER 1, 2012 • Evening Curbside Consults
by Attendees (Adult, Pediatric, and Foot Sessions)

A fast paced, lively, and informative exchange characterizes these sessions. Participants can bring their case presentations in PowerPoint format.



Day 1: Friday, August 31

- 6:00 Registration and Breakfast
- 7:00 Limb Alignment Nomenclature
Malalignment and Malorientation Test (Planning Workshop)
Radiology of Limb Deformities
Single-Level Tibial Deformities (Planning Workshop)
Osteotomy Rules
Double-Level Tibial Deformities (Planning Workshop)
Tibial Osteotomies (Planning Workshop)
Tibial Sagittal Plane Analysis (Planning Workshop)
Putting It All Together: Clinical Application for Tibial Deformity Correction
- 12:45 Luncheon: Lessons Learned from War Casualties in the Middle East
- 1:30 Afternoon Hands-On Labs:
Rotate through a one-hour lab followed by a three-hour lab
- 6:30 Special Lecture and Reception:
Commemorating the Bicentennial of the War of 1812
- 10:30 Adjourn

Day 2: Saturday, September 1

- 6:30 Breakfast
- 7:00 Single-Level Femoral Deformities (Planning Workshop)
Pin Placement: Tips and Tricks
Double-Level Femoral Deformities (Planning Workshop)
Femoral Sagittal Plane Analysis (Planning Workshop)
Sagittal Plane Analysis of Knee Flexion Contractures
Planning with Digital Radiographs
Consequences of Joint Malorientation and Malalignment
- 11:50 Luncheon: Mass Casualty Management: Lessons Learned from Haiti
- 1:30 Afternoon Hands-On Labs:
Rotate through a one-hour lab followed by a three-hour lab
- 6:15 Dinner on Own
- 8:00 Curbside Consults: Pediatric, Adult, and Foot Case Presentation Sessions
- 9:30 Adjourn

Day 3: Sunday, September 2

- 6:15 Breakfast
- 7:00 Oblique Plane Angulation/Translation and Planning Workshop
Rotation Deformities: Osteotomy Treatment Methods
Multiplier Method (Workshop)
A Beginner's Perspective on Limb Reconstruction
Lengthening with Nails
Organizing an External Fixation Reconstruction Practice
- 10:45 Two Concurrent Break-Out Sessions:
 - A. Trauma Break-Out Session:
External Fixation versus Intramedullary Nailing for Open Tibial Fractures
Are Nails Obsolete for Tibial Fractures?
External Fixation for Periarticular Fractures
Taylor Spatial Frame for Segmental Bone Loss
External Fixation for War Injuries and Soft-Tissue Defects
Trauma Case Presentations (Panel Discussion)
 - B. Foot Break-Out Session:
Preoperative Analysis of Foot Deformities
Foot Deformity Correction with and without Osteotomy
Ankle Deformities and Malunited Ankle Fusions
Foot and Ankle Deformity Correction
- 12:30 Luncheon
- 1:30 Afternoon Hands-On Labs:
Rotate through a one-hour lab followed by a three-hour lab
- 5:45 Adjourn



Accommodations

The Course venue is the Marriott Waterfront Hotel (700 Aliceanna Street) in the heart of Baltimore's Inner Harbor. The hotel is located 20 minutes from Baltimore-Washington International Airport (BWI) and 90 minutes from Dulles International Airport (IAD). The discounted per-room rate for Course attendees is \$199 per night (plus tax). Reservations can be made by calling the toll-free Marriott Reservations Line at 1.800.228.9290 or via the Internet (visit www.DeformityCourse.com for the Hotel web site link). Mention "Deformity Course Sinai" when making your telephone reservations to receive the special contracted group rate.

NOTE: Due to the high demand for hotel rooms over the holiday weekend, it is highly recommended that you make your reservations early. The special room rate for Course participants is offered only on a space-available basis through August 10, 2012.

Disclosure

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 about relationships of presenters with commercial interests (if any) will be included in materials distributed at the time of the Course.

American Disabilities Act

If you require special accommodations to attend or to participate in the Baltimore Limb Deformity Course, please fax (410.601.0585) notification of your needs at least 30 days in advance of your arrival.

PRE-COURSES • Thursday, August 30, 2012

Because two pre-courses are offered simultaneously, registrants may select only one pre-course.

PONSETI METHOD FOR CLUBFOOT TREATMENT *(Limited Registration)*

Course Time: 7:30 AM – 6:00 PM

Director: John E. Herzenberg, MD

Faculty: Noam Bor, MD *Afula, Israel*
Richard S. Davidson, MD *Philadelphia, Pennsylvania*
Frederick R. Dietz, MD *Iowa City, Iowa*
Christof Radler, MD *Vienna, Austria*
Harold J. van Bosse, MD *Philadelphia, Pennsylvania*



Approximately 100,000 infants with congenital clubfoot are born worldwide each year. Performing extensive surgery to treat clubfoot often leads to poor results. The late Dr. Ignacio Ponseti developed an effective, inexpensive method of idiopathic clubfoot treatment. With the Ponseti method, 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, discussions, patient demonstrations, and a hands-on workshop.

After completion of this course, participants should be able to:

- Explain the pathophysiologic reasons why the Ponseti method works
- Demonstrate a working knowledge in the application of Ponseti casts
- Recognize relapses after conservative clubfoot management
- Describe surgical techniques to rescue relapses, including anterior tibialis tendon transfer and open release

CADAVER LAB: LOWER EXTREMITY *(Limited Registration)*

Course Time: 8:30 AM – 4:00 PM

Director: Bradley M. Lamm, DPM

Special Guest Faculty: L. Scott Levin, MD

Faculty: Janet D. Conway, MD *Baltimore, Maryland*
Andrew W. Eglseider, MD *Baltimore, Maryland*
Guido A. LaPorta, DPM *Dunmore, Pennsylvania*
Robert V. O'Toole, MD *Baltimore, Maryland*
Raymond A. Pensy, MD *Baltimore, Maryland*
Andrew N. Pollak, MD *Baltimore, Maryland*
Eduardo D. Rodriguez, MD *Baltimore, Maryland*
Shawn C. Standard, MD *Baltimore, Maryland*

The one-day pre-course is a comprehensive, hands-on learning experience with one-on-one instruction from renowned faculty. The day is comprised of two different surgical experiences: deformity correction procedures and reconstructive plastic surgery techniques. During the morning session, participants will apply external fixation and perform osteotomies, nerve decompressions, and muscle/tendon rebalancing procedures. Participants will utilize a variety of flaps and multiple soft-tissue coverage options during the afternoon session.

Upon completion of this course, participants should be able to:

- Perform percutaneous osteotomy techniques
- Apply external fixation devices to correct lower-limb deformities
- Analyze basic and complex soft-tissue flap indications
- Demonstrate basic surgical anatomy and incision techniques in soft-tissue flap surgery
- Determine the most appropriate suturing method to secure flaps and grafts

POST-COURSE • Monday, September 3, and Tuesday, September 4, 2012

ADVANCED APPLICATIONS OF THE TAYLOR SPATIAL FRAME *(Limited Registration)*

Course Times: Monday, September 3: 8:00 AM – 5:45 PM

Tuesday, September 4: 7:00 AM – 5:00 PM

Chair: John E. Herzenberg, MD

Directors: Shawn C. Standard, MD

Janet D. Conway, MD

Bradley M. Lamm, DPM

Faculty: Professor Roger M. Atkins *Bristol, United Kingdom*
James C. Binski, MD *Dayton, Ohio*
Gavin de Kiewiet, MD *Sunderland, United Kingdom*
Rudolf Ganger, MD *Vienna, Austria*
Guido A. LaPorta, DPM *Dunmore, Pennsylvania*
Robert V. O'Toole, MD *Baltimore, Maryland*
Trevor M. Owen, MD *Boston, Massachusetts*
Andrew N. Pollak, MD *Baltimore, Maryland*
Christof Radler, MD *Vienna, Austria*
J. Charles Taylor, MD *Memphis, Tennessee*
William D. Terrell, MD *Marietta, Georgia*
Frederic B. Wilson, MD *Phoenix, Arizona*

Ready to go beyond simple tibial frames? This two-day course with lectures and **all new** saw bone labs is designed for surgeons who already have experience applying basic Taylor Spatial Frame (TSF) constructs. We will help you understand the idiosyncrasies of the TSF system and expand your comfort zone to treat more complex deformities in the humerus, forearm, femur, tibia, and foot.

At the conclusion of this educational activity, participants should be able to:

- Construct double-level tibial and femoral frames
- Assess the use of femoral and tibial frames to correct malunions, nonunions, and bone defects
- Differentiate between the application of forefoot and hindfoot frames
- Apply the appropriate frame to treat foot and ankle deformities
- Use six-axis external fixation to perform wrist reconstruction and correct humera vara and cubitus varus
- Apply frames to correct radial clubhand

REGISTRATION

Early registration is recommended as many events fill up quickly.

Course Fees

Baltimore Limb Deformity Course

(Friday, August 31 – Sunday, September 2)

U.S. Physician/Podiatrist	\$1,475 x _____ = \$ _____
Non-U.S. Physician	\$1,250 x _____ = \$ _____
Resident/Fellow/Allied Health*	\$1,125 x _____ = \$ _____
Course Subtotal = \$ _____	

Please select your preferred lab group (we will make every effort to place you in your selected group):

Beginner Intermediate/Advanced Podiatrist

Pre-Courses (Thursday, August 30)

(Because two pre-courses are offered simultaneously, registrants may select only one pre-course.)

PONSETI METHOD FOR CLUBFOOT TREATMENT

(Registration is limited to 45)

Physician/Podiatrist	\$425 x _____ = \$ _____
Resident/Fellow/Allied Health*	\$325 x _____ = \$ _____

CADAVER LAB: LOWER EXTREMITY

(Registration is limited to 45)

Physician/Podiatrist	\$595 x _____ = \$ _____
Resident/Fellow/Allied Health*	\$475 x _____ = \$ _____

Pre-Course Subtotal = \$ _____

Post-Course

(Monday, September 3, and Tuesday, September 4)

ADVANCED APPLICATIONS OF THE TAYLOR SPATIAL FRAME

(Registration is limited to 75)

Physician/Podiatrist	\$595 x _____ = \$ _____
Resident/Fellow/Allied Health*	\$475 x _____ = \$ _____

Post-Course Subtotal = \$ _____

A \$200 LATE FEE WILL AUTOMATICALLY APPLY TO ALL PAYMENTS RECEIVED OR POSTMARKED AFTER JULY 31, 2012

\$200 x _____ = \$ _____
SUBTOTAL = \$ _____

Discounts

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

TOTAL DUE \$ _____

*Each resident or fellow must provide a letter from his or her residency or fellowship director to qualify for the reduced fee. If the letter is not received with registration, the physician/podiatry rate will be assessed.

Cancellation Policy

A full refund (less a \$75 administrative charge) will be extended for written cancellations postmarked on or before June 30, 2012. Refunds made in response to written cancellations with a July 1 through July 31, 2012, postmark will incur a \$200 cancellation fee. No refunds will be made for cancellations that are postmarked August 1, 2012, or later, and no refunds will be made in response to verbal cancellations at any time.

We will be taking photographs at this event. There is a possibility that your photo may be used in future promotional material. If you do not want your image used, please contact Madeline Bacon at mabacon@lifebridgehealth.org

How did you hear about the Baltimore Limb Deformity Course?

- | | | | |
|---|---|---|--|
| <input type="checkbox"/> AAOS Annual Meeting | <input type="checkbox"/> ASAMI Meeting | <input type="checkbox"/> EPOS Meeting | <input type="checkbox"/> IPOS/AAOS Meeting |
| <input type="checkbox"/> POSNA Meeting | <input type="checkbox"/> LLRS:ASAMI Meeting | <input type="checkbox"/> World Congress/ASAMI Meeting | <input type="checkbox"/> Course Mailings |
| <input type="checkbox"/> Web Site | <input type="checkbox"/> Internet Link | <input type="checkbox"/> JBJS Ad | <input type="checkbox"/> JPO Ad |
| <input type="checkbox"/> Colleagues | <input type="checkbox"/> Sales Representative (please list company) _____ | | |
| <input type="checkbox"/> Other Meeting (please specify): _____ | | | |
| <input type="checkbox"/> Other Journal Ad (please specify): _____ | | | |
| <input type="checkbox"/> Other 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 final payment has been obtained. All registrations with unpaid balances after July 31, 2012, 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 and follow the instructions: www.DeformityCourse.com.
 - For faxed registration, please fax credit card information along with the registration form to **Madeline Bacon** at **1.410.601.0585**.
- To pay by check, make checks payable in U.S. funds to **"Baltimore Limb Deformity Course"** 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: mabacon@lifebridgehealth.org or tel: **1.410.601.9798**)

For mail-in or faxed registration, PLEASE COMPLETE LEGIBLY:
(NOTE: E-mail address is required; only one form per registrant)

Credit Card Type: VISA MasterCard American Express

Credit Card Number: _____

Security Code: _____ Expiration Date: _____

Name of Cardholder: _____

Signature of Cardholder: _____

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

E-mail (required): _____



New This Year

- ★ Multiplier App version 2.0 for the iPhone, the iPad, and Android devices
- ★ Deformity Planning on Digital Radiographs
- ★ New Intramedullary Lengthening Devices
- ★ New Deformity Learning Modules
- ★ New Saw Bone Exercises
- ★ Trauma Module

Learning Objectives

- ☆ Describe simple and complex pediatric and adult lower-limb deformities
- ☆ Interpret advances in the field of limb reconstruction and deformity correction
- ☆ Effectively perform osteotomy techniques
- ☆ Appraise the methodology of minimally invasive internal and external fixation for realignment surgery
- ☆ Identify and evaluate alternatives for the treatment of deformities from hip, knee, ankle, and foot contractures
- ☆ Evaluate indications and rationale
- ☆ Understand choices of external fixation and internal fixation for tibial fractures



www.DeformityCourse.com

TWENTY-SECOND ANNUAL

Baltimore
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