34th Annual Baltimore Limb Deformity Course

Thursday, August 22 – Saturday, August 24, 2024 (as of 4/5/24)



Four Seasons Hotel Baltimore Baltimore, Maryland, USA



CARE BRAVELY

Course Chairmen

Philip McClure, MD John Herzenberg, MD

LLRS Liaison

David Podeszwa, MD

Directors

Michael Assayag, MD Christopher Bibbo, DO Janet Conway, MD Noman Siddiqui, DPM Shawn Standard, MD

Endorsed by:



Invited Faculty and Lab Assistants

Anil Bhave, PT Baltimore, Maryland James Blair, MD Atlanta, Georgia Pablo Corona, MD Barcelona, Spain Columbia, Missouri **Brett Crist, MD** Ronald Delanois, MD Baltimore, Maryland Nando Ferreira, MD Stellenbosch, South Africa Jill Flanagan, MD Atlanta, Georgia Jean Franzone, MD Wilmington, Delaware David Frumberg, MD New Haven, Connecticut Marie Gdalevitch, MD Montréal, Canada Saad Ilyas, MBBS Lahore, Pakistan **Christopher Iobst, MD** Columbus, Ohio Guido LaPorta, DPM Dunmore, Pennsylvania James McWilliam, MD White Plains, New York Kelsey Millonig, DPM Des Moines, Iowa Mark Myerson, MD Denver, Colorado Scott, Nelson, MD Port-au-Prince, Haiti Robert O'Toole, MD Baltimore, Maryland Christof Radler, MD Vienna, Austria Daniel Ruggles, DO Miami, Florida William Terrell, MD Marietta, Georgia **Kevin Tetsworth, MD** Brisbane, Australia

Day 1: Thursday, August 22

6:00-7:00	Regis	stration, Breakfast, and Visit with Corporate Partners	Marine Room and Grand Ballroom Pre-function, Level 2	
7:00–7:25	Welco	Welcome Welcome Philip McClure, MD, or John Herzenberg, MD, and Ronald Delanois, MD		
7:25–7:45	Introd	Introduction to Deformity Planning Concepts: The Apex/Axis Method and MAP the ABCs Shawn Standard, MD		
7:45–8:05	Bone	Ninja Sensei Introduction Shawn Standard, MD		
8:05–8:15	-	abet Soup of Limb Alignment (Frontal Plane): MAD, LDFA, MPT FA, and JLCA Janet Conway, MD	ΓA, LDTA, MPFA,	
8:15–8:30	Fronta	al Plane Measurements on Normal Bones (Planning Workshop) Janet Conway, MD		
8:30–9:15		sment of Limb Alignment: Frontal Plane MAP (<u>M</u> easure Mechariation, <u>A</u> nalyze Joint Angles, <u>P</u> ick the Bone) (Planning Workshop <i>Philip McClure, MD, or Michael Assayag, MD</i>		
9:15-9:45	<u>Healtl</u>	h Break and Visit with Corporate Partners	Grand Ballroom Pre-function, Level 2	
9:45–10:15		s of Deformity Correction: How to Approach Formity Analysis and Osteotomy Planning Shawn Standard, MD	Grand Ballroom, Level 2	
10:15–11:05	Tibia:	Frontal Plane Single-level Deformities (Planning Workshop) Michael Assayag, MD		
11:05–11:50	Tibia: Frontal Plane Double-level Deformities (Planning Workshop) Marie Gdalevitch, MD			
11:50–12:05	It Loc	oks Good, but Does It Feel Better? Brett Crist, MD		
12:05-12:35	Luncl	neon and Visit with Corporate Partners	Grand Ballroom Pre-function, Level 2	
12:35–12:45	Head	to Designated Afternoon Labs		
12:45-5:00	Thurs	day Afternoon Labs:		
Groups A-1				
12:45	-2:45	Six-axis External Fixation 4 Lab: Malunion and Valgus Deform Facilitator: <i>TBA</i> Lab Assistants: <i>TBA</i>	ity Azure & Indigo Rooms, Level 2	
2:45-	3:00	Head to Next Lab		
3:00–5:00		Six-axis External Fixation 2 Lab: Blount Disease Facilitator: <i>TBA</i> Lab Assistants: <i>TBA</i>	Grand Ballroom B, Level 2	

Group B-1:		
12:45–2:45	External Fixation Lab: Hindfoot/Ankle Fusion Facilitators: <i>Christopher Bibbo, DO, Noman Siddiqui, DPM, and TBA</i> Lab Assistants: <i>TBA</i>	Sienna Room, Level 2
2:45-3:00	Head to Next Lab	
3:00-5:00	Six-axis External Fixation 3 Lab: Midfoot Cavus/Equinovarus Deformity Facilitators: <i>TBA</i> Lab Assistants: <i>TBA</i>	Cobalt Ballroom 1, Level 2
Group B-2:		
12:45–2:45	Six-axis External Fixation 3 Lab: Midfoot Cavus/ Equinovarus Deformity Facilitator: <i>TBA</i> Lab Assistants: <i>TBA</i>	Cobalt Ballroom 1, Level 2
2:45-3:00	Head to Next Lab	
3:00-5:00	External Fixation Lab: Hindfoot/Ankle Fusion Facilitators: <i>Christopher Bibbo, DO, Noman Siddiqui, DPM, and TBA</i> Lab Assistants: <i>TBA</i>	Sienna Room, Level 2
Groups C-1 and C-2	<u>2:</u>	
12:45–1:45	Fixator-assisted Plating Lab: Distal Femoral Valgus Deformity Facilitator: <i>Janet Conway, MD</i> Lab Assistants: <i>TBA</i>	Marine Room, Level 2
1:45–1:55	Head to Next Lab	
1:55–3:55	Six-axis External Fixation 1 Lab: Fracture with Translation, Equinus Deformity, and Valgus Deformity Facilitators: <i>TBA</i> Lab Assistants: <i>TBA</i>	Cobalt Ballroom 2, Level 2
3:55-4:00	Head to Next Lab	
4:00-5:00	Small Canal Solutions with Intramedullary Nails Facilitator: <i>Shawn Standard, MD and TBA</i> Lab Assistants: <i>TBA</i>	Grand Ballroom A, Level 2

5:00-5:15	Coffee Break	Cobalt Ballroom Pre-function, Level 2
5:15-5:20	Head to Case Presentation Sessions	
5:20-7:00	Case Presentations	

<u>Pediatric Orthopedics – Moderators: Philip McClure, MD, and Shawn Standard, MD</u> Expert Panel: David Podeszwa, MD and TBA Grand Ballroom A, Level 2

5:20–7:00 Case Calamities: Show Us What You've Got Presentations by faculty and participants

<u>Adult Orthopedic Deformities – Moderators: Michael Assayag, MD, and Janet Conway, MD</u> <u>Expert Panel: Brett Crist, MD, Robert O'Toole, MD, and TBA</u>

5:20–7:00 Case Calamities: Show Us What You've Got Presentations by faculty and participants

Foot and Ankle - Moderator: Noman Siddiqui, DPM

Grand Ballroom B, Level 2

Expert Panel: Christopher Bibbo, DO, Mark Myerson, MD, Saad Ilyas, MBBS and TBA

5:20–7:00 Case Calamities: Show Us What You've Got Presentations by faculty and participants

7:15–9:15 <u>Welcome Dinner</u> (ticket required)

Splash Pool Terrace, Level 4

Day 2: Friday, August 23

6:15-7:00	Break	fast and Visit with Corporate Partners	Grand Ballroom Pre-function. Level 2
7:00–7:05	Anno	uncements Philip McClure, MD	Grand Ballroom, Level 2
7:05–7:15	Tibia	Review Planning Exercises Philip McClure, MD	
7:15–7:30	Alpha	bet Soup of Limb Alignment (Sagittal Plane): PDFA, P. <i>Philip McClure, MD</i>	PTA, SJLA, ADTA, and SMAA
7:30-8:00	Sagitt	al Plane Measurements (Planning Workshop) Philip McClure, MD	
8:00-8:45	Tibia:	Sagittal Plane Deformities (Planning Workshop) Michael Assayag, MD	
8:45–9:10	Tibia:	Introduction to the Oblique Plane Shawn Standard, MD	
9:10–9:30	Tibia	: Oblique Plane Deformities (Planning Workshop) Janet Conway, MD	
9:30–9:45	Physic	cal Exam of Limb Deformities Janet Conway, MD	
9:45-10:15	Healtl	n Break and Visit with Corporate Partners	Grand Ballroom Pre-function, Level 2
10:15–12:45	Please	e visit one of the two breakout sessions listed below:	
Break	cout Se	ssion: Focus on Ankle and Foot Deformities	
10:15	-11:00	Preoperative Foot and Ankle Deformity Planning Noman Siddiqui, DPM	Grand Ballroom B, Level 2
11:00	-11:35	Complex Deformity and Acute Deformity Correction Mark Myerson, MD	Principles
11:35	-12:10	Complex Deformity Planning and Gradual Correction Saad Ilyas, MBBS	with Ilizarov Device
12:10	-12:45	Gradual Correction of Complex Midfoot Deformity/H Correction Guido LaPorta, DPM	indfoot Deformity with Gradual
Break	kout Se	ssion: Focus on Femoral Deformities and Limb Leng (Pediatric and Adult Orthopedics)	th Discrepancy
10:15	-11:15	Femur: Frontal Plane Single-level Deformities (Planni Scott Nelson, MD	ing Workshop) Grand Ballroom A, Level 2
11:15	-11:55	Femur: Frontal Plane Double-level Deformities (Plant Scott Nelson, MD	ning Workshop)
11:55	-12:45	Femur and Knee: Sagittal Plane Femur (Planning Wor Shawn Standard, MD	·kshop)

12:45–1:15	Lunch	eon and Visit with Corporate Partners	Grand Ballroom Pre-function, Level 2	
1:15-1:25	15–1:25 Head to Designated Afternoon Labs			
1:25-5:30	Friday	Afternoon Labs:		
Groups A-1	and A-2	<u>2:</u>		
1:25–	-2:25	Six-axis External Fixation 5 Lab: Mid-shaft Tibial Deformity Facilitator: <i>TBA</i> Lab Assistants: <i>TBA</i>	Marine Room, Level 2	
2:25-	-2:30	Head to Next Lab		
2:30–	-5:30	Six-axis External Fixation 1 Lab: Fracture with Translation, Valgus Deformity, and Blount Disease Facilitators: <i>TBA</i> Lab Assistants: <i>TBA</i>	Cobalt Ballroom 2, Level 2	
Groups B-1		<u>:</u>		
1:25–	-3:25	Six-axis External Fixation 4 Lab: Post-traumatic Valgus Malunio Facilitator: <i>TBA</i> Lab Assistants: <i>TBA</i>	On Azure & Indigo Rooms, Level 2	
3:25-	-3:30	Head to Next Lab		
3:30–	-5:30	Six-axis External Fixation 2 Lab: Miter Frame Facilitators: <i>Michael Assayag, MD, Noman Siddiqui, DPM, and</i> Lab Assistants: <i>TBA</i>	Grand Ballroom B, Level 2 TBA	
Group C-1:				
1:25–	-3:25	Six-axis External Fixation 3 Lab: Blount Disease Facilitator: <i>TBA</i> Lab Assistants: <i>TBA</i>	Cobalt Ballroom 1, Level 2	
3:25-	-3:30	Head to Workshop		
3:30-	-5:30	Internal Lengthening Nail Workshop Facilitators: <i>Philip McClure, MD, and TBA</i> Lecturers: <i>John Herzenberg, MD, Shawn Standard, MD, and TB</i>	Sienna Room, Level 2	

Grou	р С-2:		
	1:25–3:25	Internal Lengthening Nail Workshop Facilitators: Michael Assayag, MD, and Philip McClure, MD Lecturers: John Herzenberg, MD, Shawn Standard, MD, and TBA	Sienna Room, Level 2
	3:25-3:30	Head to Next Lab	
	3:30–5:30	Six-axis External Fixation 3 Lab: Blount Disease Facilitator: <i>TBA</i> Lab Assistants: <i>TBA</i>	Cobalt Ballroom 1, Level 2
6:00	Depa	rt Hotel for Faculty and Former Fellows Dinner (invitation only)	Four Seasons Hotel, Lobby

6:45–7:30 Breakfast and		d Visit with Corporate Partners	Grand Ballroom Pre-function, Level 2		
7:30–10:00	Please visit one or more of the breakout sessions listed below:				
Break	kout Session: 1	Foot and Ankle Specialists	Grand Ballroom B, Level 2		
	7:30–7:50	Soft Tissue Defect Reconstruction in the Foot Christopher Bibbo, DO	and Ankle Deformity		
	7:50–8:10	Minimally Invasive Cavus Deformity Correction Noman Siddiqui, DPM	on		
	8:10-8:30	Arthroeresis When and Why <i>Guido LaPorta, DPM</i>			
	8:30-8:50	International Neurogenic Feet, Stirrup Method Saad Ilyas, MBBS	, and Other Complex Cases		
	8:50–9:15	Biometrics of Foot and Ankle Anil Bhave, PT			
	nvasive Surgery				
	9:45–10:00	Discussion			
Break	kout Session: 1	Pediatric Orthopedic Specialists	Grand Ballroom A, Level 2		
	7:30–7:50	Acute Correction of Tibia Vara Philip McClure, MD			
	7:50–8:05	Extramedullary Lengthening of the Femur: Tip Shawn Standard, MD	os and Tricks		
	8:05-8:20	Multiple Hereditary Exostosis: Treatment of the <i>Aaron Huser, MD</i>	ne Elbow/Forearm		
	8:20-8:35	Mastering Surgical Hip Dislocation for SCFE David Podeszwa, MD			
	8:35–8:50	Update on Deformity in Osteogenesis Imperfection <i>Jeanne Franzone, MD</i>	cta		
	8:50–9:05	What to do with Poor Regeneration David Frumberg, MD			
	9:05–9:20	Unlocking the Complex Congenital Knee Shawn Standard, MD			
	9:20–9:35	Deformity In X-linked Hypophosphatemic Ric Jill Flanagan, MD	ekets		
	9:35–9:50	Role of the Physis in Limb Deformity <i>TBA</i>			
	9:50-10:00	Discussion			

Break	Sienna Room, Level 2		
	7:30–7:45	Osseousintegration: Where Are We Now? Kevin Tetsworth, MD	
	7:45–8:00	Deformity Correction and Total Joint Arthroplasty Matthew Deren, MD	
	8:00-8:15	Periprosthetic Fractures and Nonunions Brett Crist, MD	
	8:15–8:30	One State Treatment of Infected Nonunions Nando Ferreira, MD	
	8:30–8:45	When to Call it Quits: Amputation and Unsalvageable <i>Pablo Corona</i> , <i>MD</i>	Limb
	8:45–9:00	Cosmetic Stature Lengthening: Not Taboo Anymore Michael Assayag, MD	
	9:00–9:15	Limb Salvage in the Polytrauma Patient James Blair, MD	
	9:15–9-30	Deformity Correction and Simultaneous Lengthening U Maximizing Your Surgery Marie Gdalevietch, MD	Jsing Plates and Nails:
	9:30–9:45	Limb Reconstruction in the Limited Resource Environment Philip McClure, MD	ment
	9:45-10:00	Discussion	
10:00-10:30	Health Break	and Visit with Corporate Partners	Grand Ballroom Pre-function, Level 2
10:30–10:40		w Planning Exercises el Ruggles, DO	Grand Ballroom, Level 2
10:40–11:05	Contracture Management and the Latest Advances in Physical Therapy Anil Bhave, PT		
11:05–11:25	Radiology Considerations Janet Conway, MD		
11:25–11:45	Surgeon Wellness Christopher Iobst, MD		
11:45–11:55	Discussion		
11:55–12:05	_	arks and Exhibitor Contest Drawing o McClure, MD or John Herzenberg, MD	
12:05-12:25	<u>Luncheon</u> (grab lunch and return to the Grand Ballroom) Grand Ballroom Pre-function, Level		
12:25–12:40	Limb Reconstruction in the Low-Resource Environment Saad Ilyas, MBBS		
12:40–12:45	Groups A and	d B: Head to Afternoon Lab	

12:45-5:00 Groups A and B: Saturday Afternoon Labs

Group A-1: 12:45–2:45	Six-axis External Fixation 3 Lab: Hyper Equinus Facilitator: <i>TBA</i> Lab Assistants: <i>TBA</i>	Cobalt Ballroom 1, Level 2
2:45-3:00	Head to Workshop	
3:00-5:00	Internal Lengthening Nail Workshop Facilitator: Michael Assayag, MD Lecturers: John Herzenberg, MD, Philip McClure, MD, Christof Radle and Daniel Ruggles, DO Lab Assistant: TBA	Sienna Room, Level 2 2r, MD,
Group A-2:		
12:45–2:45	Internal Lengthening Nail Workshop Facilitator: Michael Assayag, MD Lecturers: John Herzenberg, MD, Philip McClure, MD, Christof Radle and Daniel Ruggles, DO Lab Assistant: TBA	Sienna Room, Level 2 er, MD,
2:45-3:00	Head to Next Lab	
3:00-5:00	Six-axis External Fixation 3 Lab: Hyper Equinus Facilitator: <i>TBA</i> Lab Assistants: <i>TBA</i>	Cobalt Ballroom 1, Level 2
Groups B-1 and B-2	<u>2</u> :	
12:45–1:45	Six-axis External Fixation 5 Lab: Ankle Varus and Recurvatum Facilitators: <i>Guido LaPorta, DPM, and Noman Siddiqui, DPM</i> Lab Assistants: <i>TBA</i>	Marine Room, Level 2
1:45-2:00	Head to Next Lab	
2:00-5:00	Six-axis External Fixation 1 Lab: Fracture with Translation, Varus Deformity, and Rotational Deformity Facilitators: <i>TBA</i> Lab Assistants: <i>TBA</i>	Cobalt Ballroom 2, Level 2
5:00 Group	os A and B: Conclusion	

12:40–1:15 Group C: Head to Afternoon Lab

1:15–5:30 Group C: Saturday Afternoon Labs

Group	<u>p C-1</u> :		
	1:15–3:15	Six-axis External Fixation 2 Lab: Malunion with Procurvatum Facilitator: <i>TBA</i> Lab Assistants: <i>TBA</i>	Grand Ballroom A, Level 2
	3:15-3:30	Head to Next Lab	
	3:30–5:30	Coxa Vara and Knee Flexion Deformity Lab Facilitators: <i>John Herzenberg, MD, and Shawn Standard, MD</i> Lab Assistants: <i>TBA</i>	Azure & Indigo Rooms, Level 2
Grou	<u>o C-2</u> :		
	1:15–3:15	Coxa Vara and Knee Flexion Deformity Lab Facilitators: <i>John Herzenberg, MD, and Shawn Standard, MD</i> Lab Assistants: <i>TBA</i>	Azure & Indigo Rooms, Level 2
	3:15-3:30	Head to Next Lab	
	3:30–5:30	Six-axis External Fixation 2 Lab: Malunion with Procurvatum Facilitator: <i>TBA</i> Lab Assistants: <i>TBA</i>	Grand Ballroom A, Level 2
5:30	Group	C: Conclusion	