



OrthoCarolina

Bionic Reconstruction Conference (BReCON)

The Future of Integrated Upper Limb
Surgical & Prosthetic Innovation

**April 17-18, 2026 at
Charlotte, NC**



Hosted by:

OrthoCarolina Research Institute

Provided by:

World Class CME

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Overview

Unfortunately, too often upper limb amputees suffer from residual limb pain, phantom limb pain, psychological distress and fragmented medical care. Caring for upper limb amputees requires a multi-disciplinary approach to achieve maximal outcomes. The Bionic Reconstruction Conference (BReCON) understands this need and has created an unparalleled experience uniting all of the requisite specialties as one international team to further all of our knowledge.

In this high-yield, two-day event surgeons, therapists, prosthetists and mental health professionals will discuss the cutting-edge approaches critical for holistic patient care. With multi-disciplinary panels, case-based breakout sessions, cutting-edge research papers and keynote addresses, this promises to be the most instructive course dedicated to the management of upper limb loss ever held.

Welcome to Charlotte and welcome to BReCON 2026!

Keynotes include



Oskar Aszmann, MD



Max Ortiz-Catalan, PhD

Key topics will include

- Advances in transhumeral and transradial amputation and related prosthetic technology
- Partial hand
- Osseointegration
- Surgical and rehabilitation approaches to pain
- Sensory feedback
- Brachial plexus injury
- Amputee Team Practice Evolution
- Limb Salvage
- Pushing Boundaries in Elective Amputation
- Reimbursement
- Mental health
- Frontiers of upper limb amputation research

For more information contact
research@orthocarolina.com

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Objectives

After participating in this activity, clinicians should be able to:

- Identify the appropriate UE prosthetics and accompanying surgeries for all types of UE amputations
- Identify the appropriate UE prosthetics for all types of UE amputations after the various types of surgeries performed
- Identify the appropriate UE prosthetics for all types of UE amputations and their unique OT needs

Target audience

Medical specialists who take care of individuals with upper extremity amputations



**This activity has been approved for
AMA PRA Category 1 Credit™**

BReCON will incorporate a national and international emphasis to capture the experience of pre-eminent experts in this field. A unique format will highlight Keynote speakers, invited experts and an experienced multi-disciplinary panel. A skilled facilitator will actively engage both the panel and audience in order to illuminate the scope of experience of those in attendance.

Planning Committee



Glenn Gaston, MD



Bryan Loeffler, MD



Omri Ayalon, MD



Jacques Hacquebord, MD



Diane Atkins, OTR/L

Agenda

Bionic Reconstruction Conference (BReCON)

Friday, April 17, 2026

7:00AM EST

Registration and Breakfast

7:45

Welcome and Introduction

Glenn Gaston, MD / Bryan Loeffler, MD / Diane Atkins, OTR/L

Osseointegration

Moderator: Omri Ayalon, MD

8:00

Osseointegration in Bionic Reconstruction

Rickard Branemark, MD

8:15

Transforming Tremendous Loss Into Useful Function Through Osseointegration

Oskar Aszmann, MD

8:30

On the Skin or Through It? How Should We Anchor an Upper Extremity Prosthesis?

Joseph Hsu, MD

8:45

Osseointegration: The Walter Reed Experience with Upper Limb OI/Limb Salvage / Hand Transplants and the Standard Prosthetic Wearer

Scott Tintle, MD

9:00

Question and Answer Session

Lend Me a Hand- Managing Partial Hand Amputees from a Surgeon and Prosthetist Perspective

Moderator: Glenn Gaston, MD

9:15

Optimizing the Residual Hand for Intuitive Prosthetic Wear

Bryan Loeffler, MD / Brian Monroe, CPO

9:25

The Limitations with Our Current Options for Partial Hand Prosthetics

Jacques Hacquebord, MD / Chris Fink, CPO

9:35

From the Roman Iron Hand to Multi-Articulating Digits: The Evolution of Partial Hand Prosthetics

Shaun Mendenhall, MD / Tim Bump, CPO

9:45	What Good Feels Like - Patient Perspective Jeff Soelberg
10:00	Question and Answer Session
10:15	Break Posters / Exhibits to review
Reimbursement and Insurance Authorization	
Moderator: Diane Atkins, OTR/L	
10:45	Show Me the Money! Reimbursement Strategies for Physicians and Clinicians to Novel Surgical Interventions Michael Choo, MD
10:55	Panel Panelists: Michael Choo, MD / Wendy Razzi / Steve Mandacina, CP
11:15	Question and Answer Session
Research Paper Session 1	
Moderator: Bryan Loeffler, MD	
11:30-12:00	Research Talks Presentations accepted from abstracts submitted
12:15-1:15	Lunch / Breakout sessions Select 1 1. Multidisciplinary Approach to Elective Amputation / Preparing the Patient Mentally and Physically Meghan Logeais, OTR/L / Noel So, MD / Kyle Eberlin, MD / Tim Bump, CPO 2. Shared Decision Making with CPs and MDs Karl Lindborg, CPO / John Rheinstein, CP / Shaun Mendenhall, MD / Ajul Shah, MD 3. Upper Limb Osseointegration in Depth Joseph Hsu, MD / Danielle Melton, MD / Brian Monroe, CPO / Michelle Nordstrom, OTR/L 4. Therapy Workshop / Latest in OT & PT / Advances in Pattern Recognition and Controls Training / Therapy Protocols Marcie Siebert, OTR/L / Anna Bosendorfer, OT / Alta Fried, OTR/L / Amy Todd, OTR/L
1:15-2:00	Keynote: Highly Integrated Bionic Prostheses and Neurorehabilitation of Post-Amputation Pain Max Ortiz-Catalan, PhD

Amputee Team Practice Evolution

Moderator: Bryan Loeffler, MD

2:00	In Support of the Home Team Jason Souza, MD
2:15	Evolution of the Orthoplastic Team Approach: from Limb Salvage to Amputation Kyle Eberlin, MD
2:30	Amputation Reconstruction and Limb Osseointegration: A Multidisciplinary Approach to Clinical Innovation in Canada Hollie Power, MD / Jacqueline Hebert, MD
2:45	Amputee Team Practice Evolution: The Diminishing Returns of Surgery when Unable to Move Beyond the 4 Critical Disciplines Ajul Shah, MD / Mike Mikosz, CP / Alta Fried, OTR/L
3:00	Question and Answer Session
3:15	Break Posters / Exhibits to review

The Mangled Limb: When and How to Salvage a Limb

Moderator: Jacques Hacquebord, MD

3:45	The Benefits of Persistence – Surgeon Sheath your Blade! Paul Rai, MD
4:00	Addition by Subtraction Jason Souza, MD
4:15	Bad to the Bone: Vascularized Bone Reconstruction of the Upper Extremity Jason Ko, MD
4:30	To Save or to Sever: An Orthoplastic Approach to Upper Limb Trauma Hollie Power, MD
4:45	Limb Salvage in the Upper Extremity Scott Tintle, MD
5:00	Question and Answer Session
5:15-6:30	Light Reception Posters / Exhibits to review

Saturday, April 18, 2026

7:00

Breakfast

7:20

Welcome

Glenn Gaston, MD / Bryan Loeffler, MD

Advances in Control of Upper Limb Prostheses

Moderator: Max Ortiz-Catalan, PhD

7:30

Advances in Control of Upper and Lower Limb Prosthetic Devices

Paul Cederna, MD

7:45

Old and New Techniques to Improve Motor Control When Traditional Options May Not Be Enough

Jaimie Shores, MD

8:00

Panel

Panelists: Mac Lang, CPO / Kristi Turner, OTR/L / Levi Hargrove, PhD

8:20

Question and Answer Session

Regaining Function in Brachial Plexus Injuries with Bionic Reconstruction

Moderator: Jacques Hacquebord, MD

8:40

Nerve Transfers and Free Functioning Muscles to Neural Interfaces: The Evolving Frontier in Adult Pan Brachial Plexus Reconstruction

Alexander Shin, MD

8:50

Function Over Form: The Paradox of Elective Amputation after Brachial Plexus Injury

Jason Ko, MD

9:00

Bionic Reconstruction in Global Plexopathy

Oskar Aszmann, MD

9:15

Panel

Panelists: Meghan Logeais, OTR/L / Andrew Nelson, CPO

9:25

Question and Answer Session

9:45

Break

Posters / Exhibits to review

Sensory Feedback

Moderator: Omri Ayalon, CP

10:15

Novel Biologic Interfaces to Provide Sensory Feedback for Upper and Lower Limb Prosthetic Devices

Paul Cederna, MD

10:30	Restoration of Digital Sensation and Proprioception after Transradial Amputation through Targeted Sensory Feedback Reinnervation as a Mechano-Neural Interface Alexander Gardetto, MD
10:45	Developing a State-of-the-Art Rehabilitation Approach Through Sensory Motor Training Jacqueline Hebert, MD
10:55	Home Use of Bidirectional Hand Prosthesis: Psychological and Functional Outcomes from the iSens Clinical Trial Dustin Tyler, PhD / Emily Graczyk, PhD
Pushing Boundaries in Elective Amputation	
Moderator: Oskar Aszmann, MD	
11:15	The Unspoken Option: Navigating the Elective Amputation Conversation Omri Ayalon, MD / Chris Fink, CPO
11:25	“Elective” Amputation in the Setting of CRPS: Friend or Foe Kyle Eberlin, MD
11:35	Pushing Boundaries in Elective Amputation: What Lives in the Gray Will Seem Obvious in the Future Ajul Shah, MD / Mike Mikosz, CP
11:45	Courage, Choice, and Innovation: The Journey of Elective Hand Amputation in Bionic Reconstruction Alexander Gardetto, MD
11:55	Question and Answer Session
12:15	Lunch / Breakout sessions Select 1 1. Advances in Controls Max Ortiz-Catalan, MD / Paul Cederna, MD / Alex Vaskov, PhD / Michelle Nordstrom, OTR/L 2. Virtual Reality and Its Approach to PTSD and Pain Glenn Gaston, MD / Marcie Siebert, OTR/L / Dennis McLoughlin (Harvard MedTech) 3. Case Discussions - Hits and Misses Shaun Mendenhall, MD / Jason Souza, MD / Oskar Aszmann, MD / Hollie Power, MD 4. Therapy Workshop / Latest in OT & PT / Functional Assessments / Outcome Measures / Promoting Independence in all Stages of Rehabilitation / Adaptive Strategies Debra Latour, OTR/L / Meghan Logeais, OTR/L / Kristi Turner, OTR/L

1:15	Keynote: When Biology No Longer Suffices Oskar Aszmann, MD
Research Paper Session 2	
Moderator: Shaun Mendenhall, MD	
2:00-2:20	Research Talks Presentations accepted from abstracts submitted
How Can We Make Pain Less Painful?	
Moderator: Danielle Melton, MD	
2:30	Pain is a Power Drain- How Visualization can Trump the Brain and Relieve Devastating Chronic Neuropathic Pain in the Upper Limb Amputee and BPI patients Jennifer Ernst, MD
2:40	Paying Attention to the “Neglected Nerve”: Strategies for Improving Nerve Based Pain Jaimie Shores, MD
2:50	Innovative Solutions to Post Amputation Pain: From Multi-Modal Pain Control to Soft Tissue, Bone, and Nerve Surgery Shaun Mendenhall, MD
3:00	Optimizing Targeted Muscle Reinnervation for Pain: The Right Nerve(s), the Right Patient, and the Right Time Hollie Power, MD
3:10	Raising the Standard on Post-Amputation Pain Research Max Ortiz-Catalan, PhD
3:20	Question and Answer Session
3:45	Closing Remarks / Award for Best Podium Presentation (from Abstract presenters)
4:00	Adjourn- Complete Course review

For all event details, including **Exhibitor Information**,
Call for Abstracts deadlines, and more visit orthocarolinaresearch.org/brecon

Accreditation Statements:

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of World Class CME and OrthoCarolina Research Institute. World Class CME is accredited by the ACCME to provide continuing medical education for physicians.

Credit Designation Statement

World Class CME designates this Course for a maximum of 16.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Policy on Faculty and Sponsor Disclosure

This program has been planned and implemented in accordance with ACCME essentials and standards. World Class CME relies on its CME faculty to provide program content that is evidence-based and free of commercial bias. Therefore, in accordance with ACCME standards any faculty, program director, course director, reviewer and/or provider industry relationships will be disclosed and resolved. Speakers are required to openly disclose any limitations of data and/or any discussion of any off-label, experimental, or investigational uses of drugs or devices in their presentations.

Cancellation/Refund Policy

The OrthoCarolina Research Institute, Inc. (OCRI) must receive notice of cancellation no later than April 3, 2026 to qualify for a refund. Cancellations or no-shows after this date are not eligible for a refund.





OCRI OrthoCarolina

For more information visit
orthocarolinaresearch.org/brecon

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