

Robotics and Technology Symposium



Saturday & Sunday, April 6-7, 2024

Barrow Neurological Institute
St. Joseph's Hospital and Medical Center, Phoenix, Arizona



Barrow
Neurological Institute

Course Description

This interdisciplinary symposium will focus on the current evidence-based practice and research for the use of robotics and technology in therapy. The symposium will provide an educational opportunity for rehabilitation professionals, focusing on rehabilitative treatment interventions with robotics and technology. The therapists will have opportunities to trial the devices with self-directed access in a workshop format.

Who Should Attend

This program is designed for occupational therapists, physical therapists, robotics/neurotechnology vendors, and engineers.

Objectives

- The participants will be able to state three robotics or technologies that are used for ambulation/gait training and are available and approved for patient use by the FDA.
- The participants will be able to state three robotics or technologies for upper extremity rehab that are available and approved for patient use by the FDA.
- The participants will be able to state two strategies on how to use a robotic or therapeutic device off label.
- The participants will state a future way to control robotics/technology for therapy.

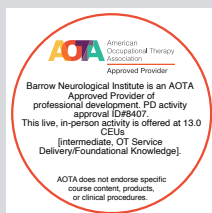
Course Completion Requirements

- To obtain full OT and PT CEUs from this symposium, you must be in attendance throughout the agenda. PTs and OTs are not eligible for partial credit and must attend the course in its entirety to receive CEUs.
- Completion of the online post-course evaluation is required.

CME Information

13.5 CEUs for APTA

13.0 CEUs for AOTA



Registration Information

	EARLY BIRD (BEFORE 3/23/24)	LATE REGISTRATION (AFTER 3/23/24)
Barrow/ Dignity Health Employees	\$110.00	\$140.00
Outside Participants	\$130.00	\$160.00
Barrow Students	Free	Free

Registration fee includes: Symposium, program materials, and continuing education credits.

Refund and cancellation policy: Barrow reserves the right to cancel or change any program for due causes. Cancellation of this program by Barrow or by the participant prior to the start of the conference will result in a full refund of tuition.

Please contact the CME office at CME@BarrowNeuro.org at least 7 days prior to the start of the symposium for any special needs requests or accommodations.

CLICK OR
SCAN TO
REGISTER



AGENDA

DAY ONE - Saturday, April 6, 2024

7:30 a.m. Check-In

8 a.m. Welcome
Trent Maruyama, OTR/L, CKTP

8:08 a.m. Barrow Innovation
Michael T. Lawton, MD

8:15 a.m. Use/Growth of Robotics in Rehab
Zen Koh

9:05 a.m. AR/VR in Therapy
Lynn Welch

9:50 a.m. Break

10:20 a.m. End User Perspective of What Works
Arun Jayaraman, Pt, PhD

11:10 a.m. B Sync Therapy
Rohit John Varghese

Noon Lunch

ROBOTICS TRIALS

1 p.m. Robotics and Technology Trials A (Marley Lobby)
Participant Group 1 (Concurrent)

Robotics and Technology Trials B (Sonntag Pavilion)
Participant Group 2 (Concurrent)

Robotics and Technology Trials C (Stained Glass Lobby)
Participant Group 3 (Concurrent)

2:40 p.m. Robotics and Technology Trials A (Marley Lobby)
Participant Group 3 (Concurrent)

Robotics and Technology Trials B (Sonntag Pavilion)
Participant Group 1 (Concurrent)

Robotics and Technology Trials C (Stained Glass Lobby)
Participant Group 2 (Concurrent)

4:30 p.m. Closing Statements

5 p.m. Reception

DAY TWO - Sunday, April 7, 2024

7:30 a.m. Check-In

8 a.m. Opening Statements
Trent Maruyama, OTR/L, CKTP

8:10 a.m. Advances/Future of Robotics – BCI
Nicholas Au Yong, MD, PhD

9 a.m. Robotics Workshop: Off-Label Use of Robotics
Trent Maruyama, OTR/L, CKTP
Jeremy Palmiscno, OTD, OTR/L

9:45 a.m. Break

ROBOTICS TRIALS

10:15 a.m. Robotics and Technology Trials A (Marley Lobby)
Participant Group 2 (Concurrent)

Robotics and Technology Trials B (Sonntag Pavilion)
Participant Group 3 (Concurrent)

Robotics and Technology Trials C (Stained Glass Lobby)
Participant Group 1 (Concurrent)

11:45 a.m. Lunch

12:45 p.m. Robotics and Technology Trials - Free to Demo Any Devices

2:50 p.m. Device Innovation
Trent Maruyama, OTR/L, CKTP
Sam Schaffer PT, DPT

3:25 p.m. Patient Panel

4:15 p.m. Closing Statements



Course Director

Trent Maruyama, OTR/L, CKTP

Program Manager

Rehabilitation Technology

Neuro-Rehabilitation Center

Barrow Neurological Institute Faculty

Michael T. Lawton, MD

Chairman and CEO

Barrow Neurological Institute

Jeremy Palmiscno, OTD, OTR/L

Sam Schaffer PT, DPT

Invited Faculty

Nicholas Au Yong, MD, PhD

Lynn Welch

Arun Jayaraman, Pt, PhD

Zen Koh

Rohit John Varghese

Device Companies

- Fourier Intelligence
- Ekso/Ekso East (Indego)
- ReWalk
- SMARTfit
- Restorative Therapies
- Tyromotion
- Harmonic Bionics
- Bionik
- Myomo
- Barrett
- Bioservo
- DIH
- Bio-xtreme
- THERA-Trainer
- Corpus VR
- REAL System
- RKB Instruments
- NextStep Robotics

