

**THE OHIO CHAPTER ~~ AAOP**

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**2005 ANNUAL  
FALL SCIENTIFIC MEETING**

*October 8, 2005  
Embassy Suites Hotel — Dublin, Ohio*

**Ohio Chapter ~ ~ AAOP  
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The Ohio Chapter-AAOP  
**2005 Annual Fall Scientific Meeting**

October 8, 2005  
Embassy Suites of Dublin

## *Program*

**8:00–8:30 ..... Registration/Continental Breakfast**

**8:30–8:45 ..... Opening Remarks**

*Jonathan Naft, CPO*

*President, Ohio Chapter—AAOP*

*Geauga Rehabilitation Engineering, Inc., Chardon, OH*

**8:45–9:15 ..... Political Update - AOPA**

*Randy Daniel, CPO, Secretary/Treasurer, Ohio Chapter—AAOP*

*OrPro Prosthetics & Orthotics, Inc., Dayton, OH*

**9:15–9:45 ..... Parity Update**

*Dianne Farabi — Ohio Orthotics and Prosthetics Association, Dublin, Ohio*

**9:45–10:30 ..... MYO Testing and Component Selection**

*Bill Limehouse, CPO — Hanger P&O, Inc., Appling GA*

**10:30–10:45 ..... BREAK**

**10:45–11:30 ..... Spasticity Management in Multiple Sclerosis**

*Matt Sutliff, PT — Cleveland Clinic, Cleveland, OH*

**11:30–12:00 ..... Scoliosis and the Providence System**

*Sandy Hargrave, CO — Spinal Tech, West Barnstable, MA*

**12:00–1:15 ..... Lunch / Ohio Chapter Business Meeting**

**1:15–2:15 ..... Targeted Muscle Reinnervation for Improved Myoelectric Control**

*Robert D. Lipschutz, CP — Rehabilitation Institute of Chicago, Chicago, IL*

**2:15–2:40 ..... V-Vas: A New Concept in Unloader Knee Orthosis Design**

*Joe Whiteside, CPO — Hanger/ABi Orthotic/Prosthetic, Boardman, OH*

**2:40–3:00 ..... Break**

**3:00–3:15 ..... Lower Extremity Unusual Prosthetic Treatments**

*Bob Leimkuehler, CPO — Leimkuehler, Inc., Cleveland, OH*

**3:15–3:45 ..... Solutions for Active Transfemoral Patients**

*Vern Swanson, CP — Swanson Orthotic & Prosthetic Center, Inc., Toledo, OH*

**3:45 - 5:00 ..... New Orthotic Applications from OSSÜR**

*Jeff Parks, CO — OSSUR, Aliso Viejo, CA*



# Sessions

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## Political Update — AAOP

Randy Daniel, CPO, LPO  
Orpro Prosthetics & Orthotics, Inc.  
— Middletown, OH

### Session Description:

The purpose of this presentation is to update fellow members of the ongoing National issues that have a direct effect on our businesses and professional livelihood. We will cover areas presented at the June 22, 2005 Orthotic and Prosthetic Policy Forum in Washington, D.C.

### Biography:

Randy L. Daniel, CPO, LPO, is a 1988 Graduate of Shelby State's long term certificate Orthotics and Prosthetics program. He earned his ABC Prosthetics Certification in 1993 and ABC Orthotic Certification in 2003. Presently, he manages offices for Orpro Prosthetics and Orthotics in the Dayton, Ohio area.

## Parity Update

Dianne Farabi, Executive Director  
Ohio Orthotics and Prosthetics Association  
— Dublin, Ohio

### Session Description:

This session will discuss the current state of Parity legislation from a variety of sources, as well as an update on the exploration of parity activity in Ohio.

### Biography:

Dianne Farabi is the current Executive Director of the Ohio Orthotics and Prosthetics Association (O.O.P.A.), and has served in that capacity for the past thirteen years. Her experience in lobbying and legislative activities includes involvement in several licensure initiatives. Farabi is a graduate of the University of Delaware, (B.S.) and Washburn University (B.F.A.)

## MYO Testing and Component Selection

J.W. (Bill) Limehouse  
Hanger Prosthetics & Orthotics, Inc.  
— Appling, GA

### Session Description:

This talk will discuss findings of the preliminary study of 50+ upper extremity patients fitted with the *Animated Control System*. The findings will reveal aspects of control options, amount of usage of hand, wrist and elbow that is available from information on the microprocessor. There have been over 450 patients fitted over the last 4½ years.

Fittings include pediatric adolescent and adult. Levels include Trans Carpal, Wrist Disarticulation, Trans Radial, Elbow Disarticulation, Trans Humeral, Shoulder Disarticulation and Interscapular Thoracic.

Other information that is being gathered is ratios of hand vs. wrist cycles, age of user, type of devices (TD's), occupation, hobbies, etc. as well as the usage in and around different aspects of daily living i.e. job, home, hobbies.

### Biography:

Bill Limehouse is an American Board for Certification certified prosthetist and Fellow of the American Academy of Orthotists and Prosthetists. He graduated with an Associates of Science degree in Prosthetics from Northwestern Medical School Prosthetics Program in Chicago, Illinois in 1973. He has held numerous offices and memberships in his tenure as a certified prosthetist, including Prosthetic/Orthotic Advisory Board Member of the GA Department of Medical Assistance (1989-'99). He held positions of Secretary (1992-'93), Vice President (1994-'95) and President (1996-'97) of the Georgia Society of Prosthetics & Orthotics. He has been an Exam Site Coordinator (1991-'93), Examiner Training and Development Committee Member (1993-'95) and Chairman (1994-'95), a Prosthetic Candidate Liaison (1994 & 1999-2000), and an Exam Applications Committee Member (1996-'98) and Chairman (1998) for the American Board for Certification

Currently, Limehouse is a board member of the Georgia Society of Orthotics & Prosthetics, and

Secretary/Treasurer of the Upper Limb Society of the American Academy of Orthotists and Prosthetists. He is also a current board member of the Orthotic Prosthetic Assistance Fund (OPAF). He has worked in the field of prosthetics for over 30 years doing both lower and a vast array of upper extremity fittings. He was a branch manager for Hanger's Augusta Ga. Office for over 20 years before becoming an area manager for offices in Georgia and South Carolina. Thereafter, he became a Vice President of Branch Development for offices throughout the northeast and west. He is currently a National Upper Extremity Specialist for Hanger's National Upper Extremity Prosthetics Program (UEPP) specializing in upper extremity prosthetics since 2000.

## Spasticity Management in Multiple Sclerosis

Matt Sutliff, PT

The Cleveland Clinic Foundation  
— Cleveland, OH

### Session Description:

This presentation will discuss the etiology of spasticity in Multiple Sclerosis, assessment tools, and interventions. These interventions will include conservative options and their efficacy based on clinical practice guidelines. Invasive options such as Botulinum toxin and intrathecal baclofen will also be reviewed, including the role of physical therapy to optimize outcomes. Lastly, the preliminary research outcomes utilizing a new dynamic Hip Flexion Assist Orthosis (HFAO) in ambulatory multiple sclerosis patients will be discussed.

### Biography:

Matthew H. Sutliff, PT, is the Rehabilitation Manager at the Mellen Center for Multiple Sclerosis (MS) Treatment and Research at the Cleveland Clinic Foundation. He is a 1989 graduate of Daemen College in Amherst, NY with a BS in Physical Therapy. He has presented on numerous topics specific to MS rehabilitation and symptom management. He is also a staff member for the Jimmy Heuga Center of Edwards, CO, which is an educational program for MS patients and their families.

## Scoliosis and the Providence System

George P.W. Hargrave, CO  
Spinal Tech — West Barnstabl, MA

### Session Description:

This program identifies a new option in the clinical treatment of idiopathic adolescent juvenile, congenital

and neuromuscular scoliosis. "Sandy" Hargrave will educate the practitioners on how to satisfactorily address the needs of these patients via thorough review of scoliosis principles, the use of innovative technology to improve fit and enhance comfort. The intent and goal of this program is to increase the awareness of the practitioner to this optional style of bracing. Practitioners will review x-ray interpretation, force application effects of over correction, casting techniques and the usage of innovative pressure-sensitive film.

### Biography:

George (Sandy) Hargrave, C.O. attended UCLA, where he received his certificate in 1982. He received his ABC certification in orthotics in 1984. He also attended the Northwestern Prosthetic Program in 1993.

Hargrave currently works for Spinal Tech of West Yarmouth, MA. Prior to this, he was a staff orthotist at Fountain Valley, O&P in Fountain Valley, California. He currently serves as a consultant and instructor for Spinal Technology, Inc., with particular emphasis on the Providence Scoliosis System.

## Targeted Muscle Reinnervation for Improved Myoelectric Control

Robert Lipschutz, CP

Rehabilitation Institute of Chicago — Chicago IL

### Session Description:

Two muscles are typically used to sequentially control elbow and hand in myoelectric systems for transhumeral or shoulder disarticulation amputations. A novel approach for simultaneous control of multiple myoelectric functions was made possible by a surgical intervention involving the transfer of the nerves that used to provide signals to the arm and forearm for elbow and hand function, to remaining muscles on the transhumeral or shoulder disarticulation limb.

This presentation will describe the surgical approach to the nerve transfer procedures, prosthetic fittings prior to and following the surgery, preliminary outcomes using the prostheses and experimental use of a 6-motor prosthesis

### Biography:

Robert D. Lipschutz, BSME, CP, is a Co-Director of the Prosthetics & Orthotics Clinical Center at the Rehabilitation Institute of Chicago and a Clinical Instructor of Prosthetics Education at Northwestern University Prosthetics-Orthotics Center. He is a certified prosthetist in good standing with the American Board for Certification in Orthotics and Prosthetics (ABC), licensed prosthetist in the state of Illinois, member of the Association of Children's Prosthetic-

Orthotic Clinics (ACPOC), currently serving on the Program Committee responsible for the 2006 Annual Meeting and is also a member of the American Academy of Orthotists and Prosthetists (AAOP).

Robert received his Bachelor of Science in Mechanical Engineering from Drexel University, Philadelphia, PA in 1988 and his Certificate in Prosthetics and Orthotics from New York University's Post Graduate Medical School, New York, NY in 1990.

## V-Vas: A New Concept in Unloader Knee Orthosis Design

Joseph W. Whiteside, CO  
Hanger/ABi Orthotic & Prosthetic Labs, Ltd.  
— Boardman, OH

### Session Description:

Unloading either the medial or lateral compartment of the Osteo-arthritic knee can be achieved through various single or double upright designs. Use of adjustable pads, straps and frames in these designs have proven to be successful but may complicate optimal fit and function of the orthosis. The Varum-Valgum adjustable stress (V-Vas) custom knee orthosis incorporates a new concept in obtaining the optimal unloading moment through finite adjustability, while maintaining mechanical joint alignment without the use of pads or straps as the influencing force or forces. The biomechanical concepts, benefits and the unique design features of the V-Vas unloading knee orthosis make it a valuable tool in pain management for Osteo-arthritic patients.

### Biography:

Joe Whiteside received his AA in Liberal Arts from Scottsdale Community College in 1982 and his Certificate in Orthotics in 1983 from Northwestern University. He received his CO from ABC in 1983, and is a licensed practitioner in the state of Ohio. Currently, he is the Practice Manager of Orthotic Services for ABi Orthotic and Prosthetic Labs, Ltd. in Boardman, Ohio — a Division of Hanger Prosthetics & Orthotics. From 1995 to 2002, he was Vice President and Director of Orthotic Clinical Services for ABi Prior to that, from 1992 to 1995 he was President and Clinical Director of Trumbull Orthotic and Prosthetic Labs, Inc. in Trumbull, Ohio. Whiteside has also presented to fellow practitioners numerous times at meetings at the state and local level.

## Lower Extremity Unusual Prosthetic Treatments

Robert V. Leimkuehler, C.P.O.  
Leimkuehler, Inc. — Cleveland, OH

### Session Description:

This session will review several case studies of very unusual amputee cases. It will discuss what the types of amputations are, and why they occurred. It will focus on the progression of fitting and fabrication, with an open discussion with the audience.

### Biography:

Robert V. Leimkuehler attended NYU for his prosthetic education, and became ABC certified in Orthotics and Prosthetics in 1975. He then attended Northwestern University and became certified in orthotics in 1979. Leimkuehler is a past president and vice president of the Ohio Orthotics & Prosthetics Association.

Bob is a past president of Region V (including Ohio, Michigan and West Virginia) for AAOP. He was on the membership committee for the association from 1986-1995. He also served as an Appraisal Accreditor for ABC in 1985, and 1991.

Bob is past president of the Amputees in Motion of Ohio, as support group for amputees. He is also on the Board of Trustees for Youth Challenge, a group which helps physically disabled children with youth volunteers.

## Solutions for Active Transfemoral Patients

Vern Swanson, C.P.  
Swanson Orthotic & Prosthetic Research Center  
— Toledo, OH

### Session Description:

This clinical session will present several solutions for transfemoral patients desiring a more active lifestyle. Improvements for walking longer distances, jogging, running, biking, water activities and other sports using the *RapidFit System*, a shock-absorbing socket, enhanced suction suspension, the *Bionix HP Knee* and the *Energy Storing Quad Control Band*. The presentation will include video of an amputee who competes in Olympic distance triathlons as well as other transfemoral amputees.

### Biography:

Vern Swanson, C.P., L.P. is Clinical Director of patient care and research and development at Swanson Orthotic & Prosthetic Research Center. He attended Northwestern University Certificate Program and was certified in



Prosthetics in 1979. He is a past president of the Ohio Chapter American Academy of Orthotists and Prosthetists.

## New Orthotic Applications from OSSÜR

John Parks, CO  
OSSÜR — Alliso Viejo, CA

### Session Description:

This session will utilize video, multimedia, and hands-on experience to obtain a working knowledge in properly selection, adjusting, casting, modifying, fabricating and fitting the full line of Ossür's Orthotic

products. That includes the *GII Osteoarthritis (GII Unloader)* and Ligament knee braces and Ossür's Ankle Foot Orthosis line (AFO Dynamic, AFO Light, AFO leaf spring and foot plates). Each participant will dynamically fit and modify these devices to gain a better understanding of applicability in clinical practice.

### Biography:

John is an ABC Certified and Washington State Licensed Orthotist with over 27 years of experience in the field of Orthotics with a special emphasis on Pre- and Post-OP spinal Bracing. John has been with *Generation II* for the past ten years, acting as the companies Technical Services Manager and principal Technical Trainer.

O&P, C.PEDS, BOC PRACTITIONERS, TECHNICIANS...

# MARK YOUR CALENDAR

## OHIO CHAPTER

# 2006 SPRING TECHNICAL MEETING

HILTON HOTEL EASTON TOWN CENTER

APRIL 22, 2006

- ~~ GENERAL SESSIONS
- ~~ BREAKOUT SESSIONS
- ~~ 60+ EXHIBITORS

November '05							December '05							January '06							February '06							March '06							April '06						
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May '06							June '06							July '06							August '06							September '06							October '06						
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