The Ohio Chapter-AAOP

2007 Annual Fall Scientific Meeting

Hyatt Regency Hotel
Columbus, Ohio
October 13, 2007

Ohio Chapter—AAOP
2006 Board of Directors

President
Frank Zingales, L.C.P,
ACOR Orthopaedic Inc.
Cleveland, Ohio

President Elect
Randy Daniel, C.P.O.
OrPro Prosthetics & Orthotics, Inc.
Springfield, Ohio

Vice President
Kathleen I. Clark Simmons, C.O.
Clark Orthotic Services, Inc.
Columbus, Ohio

Secretary/Treasurer
David J. Garcia, C.Ped, BOC-P, C.P.
Manuel Garcia Prosthetic and Orthotic Centers
Cleveland, Ohio

Immediate Past President
Carrie Melton, C.Ped, C.P.O., L.P.O.
OrPro Prosthetics and Orthotics, Inc.
Piqua, Ohio

The Ohio Chapter-AAOP

2007 Annual Fall Scientific Meeting

October 13, 2007
Hyatt Regency Hotel, Columbus, Ohio

Program

Morning

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

General Sessions:

8:30–9:15 ..... Electrical Stimulation: From Hieroglyphics & Voodoo to Science and Outcomes

Mark A. Merrick, Ph.D., ATC
Associate Professor &
Director, Division of Athletic Training
School of Allied Medical Professions
Ohio State University—Columbus, OH

9:15–10:00 ..... Remote Consulting and its Application in Upper Extremity Prosthetics

Randy Alley ,CP, FAAOP, CFT
CEO, Biodesigns, Inc.—Thousand Oaks, CA

10:15–11:00 ..... A Consumer's View

Kim Doolan
Allen Orthotics and Prosthetics—Midland, TX

11:00–11:45 ..... Advanced Technology: The Ness® L300™ Foot Drop Stimulation System

Jodi Feld, PT, DPT, MPT, NCS
Bioness, Inc.—Santa Clarita, CA

12:00–1:15 ..... Lunch & Ohio Chapter Annual Business Meeting

Afternoon

Breakout Session #1

1:15–5:00 ..... Introduction to the Proprio Foot™ and RHEO KNEE®

Francois Van Der Watt, CPO
Ossur North America—Aliso Viejo, CA

Breakout Session #2

1:15–5:00 ..... Latest Developments in Lower Extremity Orthotics

Kelly Clark, CO
Otto Bock HealthCare—Minneapolis, MN

Sessions

Electrical Stimulation: From Hieroglyphics & Voodoo to Science and Outcomes

Mark A. Merrick, Ph.D.
Associate Professor & Director, Division of Athletic Training
School of Allied Medical Professions - Ohio State University Medical Center — Columbus, OH

Description:

Dr. Merrick's session discusses the use of electrotherapy as a treatment modality, its foundations, applications, myths, truths, and future. Electrotherapy is a well established physical agent in the management of a variety of pathologies, yet there is much about that is not understood or worse yet, is misunderstood. We will discuss the essential foundations, types of equipment, regulation of use, and how these devices can be used in specific situations to help achieve specific goals for patients.

Biography:

Dr. Merrick is the Director of the Athletic Training Division in the School of Allied Medical Professions. He is a respected researcher and frequent lecturer on the topics of therapeutic modalities and injury pathophysiology. His work in these areas has earned him both the Outstanding Research Manuscript Award and the Outstanding Non-Research Manuscript Award from the Journal of Athletic Training where he also serves as an Editor for the Pathology, Physiology, and Biodynamics section. He is also a member of the editorial board the Journal of Sport Rehabilitation and a guest reviewer for seven other journals. Additionally, he serves as the Vice-Chair for Grants for the NATA Foundation's Research Committee.

Remote Consulting and its Application in Upper Extremity Prosthetics

Randy Alley ,CP, FAAOP, CFT
EO, biodesigns, inc.
biodesigns, inc. — Thousand Oaks, CA

Description:

Challenging upper extremity prosthetic cases present a problem for the inexperienced clinician. The expense and logistical issues of hiring an upper extremity consultant can prove too great an obstacle to many independent businesses.

A remote consulting model reduces costs, maintains and enhances the local clinician-patient

relationship and can be utilized throughout all stages of the rehabilitation process. This model also involves the ability to collaborate online with an entire rehab team for a true, simultaneous team approach.

This presentation will detail the fundamental upper extremity concepts that must be understood in order to enhance the collaboration, as well as the technology involved.

Biography:

Randall Alley, BSc, CP, LP, FAAOP, CFT is CEO of biodesigns, inc., a California-based company that specializes in upper extremity prosthetic patient care, clinician consulting and product research and development. Certified by the International Sport Sciences Association (ISSA), and a member of the National Athletic Trainers' Association (NATA), Mr. Alley also specializes in adaptive fitness, and working with athletes with limb loss or amelia at any level.

Mr. Alley is the cofounder and former director of Hanger's Upper Extremity Prosthetic Program and is the Chair of the CAD/CAM society. He is a columnist for O&P Business News magazine and is on the advisory boards of O&P Business News and the Edge.

Alley can be emailed at ralley@biodesigns.com.

A (Non-typical) Consumer View

Kim Doolan
Allen Orthotics and Prosthetics — Midland, TX

Description:

Kim Doolan will discuss findings from study reviews of prosthetic usage over the last 25 years, as well as her own experiences using upper limb prostheses. Emphasis will be placed on how amputees use their prostheses and how that can help prosthetists select the proper componentry and get payers to pay for them

Biography:

Since 1997, Kim has worked with LIVINGSKIN as the public relations coordinator and at Allen O&P as the Clinical Coordinator. She has served on Board of Directors for the ACA, ABC and Barr Foundation. Kim volunteers as a Peer Visitor for the ACA and patient care provider for Hospice.

Advanced Technology: The Ness® L300™ Foot Drop Stimulation System

Jodi Feld, MPT, DPT, NCS
Regional Clinical Specialist
Bioness, Inc. — Apex, NC

Description:

The NESS® L300™ Foot Drop System may improve walking speed, symmetry, and reduce falls post-stroke. Learn about its benefits and comparison to an AFO. The Ness® L300™ award winning design has overcome numerous ergonomic and technical limitations of other foot drop stimulation technology. Sophisticated gait detection algorithms in the gait sensor wirelessly communicate each step to the stimulation unit to automatically adjust to different surfaces, uneven ground, and walking speeds. Users are able to seamlessly transition between terrains enabling improvements in walking abilities and, consequently, improving their social participation and quality of life.

Biography:

Jody Feld, PT, DPT, MPT, NCS is a regional clinical specialist with Bioness, Inc. Bioness, Inc provides state-of-the-art technology, training, and ongoing support to rehabilitation professionals who have clients with paralysis or weakness associated with stroke, spinal cord injury and brain injury. Jody graduated with a BS from Dickinson College in 1991, MPT degree from Hahnemann University in 1995, and transitional DPT from Stonybrook University of New York in 2005. She received her Neurological Clinical Specialist (NCS) from the APTA in 2002, and was certified by the Neurodevelopmental Treatment Association in the treatment of adults with hemiplegia in 1998.

Introduction to the Proprio Foot™ and Rheo Knee

Francois Van Der Watt, CPO
Regional Clinical Manager, Southeast
Ossur North America — Aliso Viejo, CA

Description:

Current foot designs are statically aligned without the ability to adjust for varied incline of the terrain or dorsiflexion of the foot during swing phase. This presentation will describe the observed subjective effect on amputee gait when additional swing phase

dorsiflexion is implemented into a prosthetic foot design. The Proprio Foot™ incorporates a microprocessor controlled actuator and accelerosensor technology to adapt to changes in the walking environment. This allows the ankle to adjust to stairs, inclines, declines, seated position, and also provides dorsiflexion during swing phase. Results from the amputees who were tested indicated that dorsiflexion of the prosthetic ankle in swing proved to be advantageous. This was especially evident in inclines and level ground walking as the hip-toe distance was reduced and allowed for less hip and knee flexion compared to conventional prosthetic foot designs. It has also been shown that appropriate ankle adjustments during ambulation on inclined surfaces and stairs have improved transtibial users' confidence and comfort. The users experienced greater ease of walking and increased socket comfort while ambulating on these varied terrains. Brief discussion will also include the model of Bionic technology by Ossur.

The RHEO KNEE® is the world's first microprocessor swing and stance knee system to utilize the power of artificial intelligence. Capable of independent thought, it learns how the user walks and recognizes and responds immediately to changes in speed, load and terrain. The knee adapts to any situation, not just within pre-set and limited parameters, enabling the individual to quickly regain confidence in his or her ability to walk where and how they choose.

This part of the lecture will entail a review of these features and how they benefit the user. Candidate selection will be discussed as well as the protocol for a successful fitting of a RHEO KNEE®. Attendees will learn how the RHEO KNEE® responds dynamically to its user and understand better how to clinically apply this exciting part of Bionic Technology by Ossur

Biography:

Francois graduated from the Technikon Pretoria, South Africa in 1996 with a National Diploma in Medical Orthotics and Prosthetics. He moved to the USA in 2002 and received his ABC certification in 2004. Prior of joining Ossur North America as Regional Clinical Manager for the Southeast, he worked as clinical prosthetist/orthotist and Practice Manager for Hanger O&P in Georgia.

Orthotic Lower Extremity Solutions Workshop

Kelly Clark, CO
Clinical Specialist, Custom Orthotics
Otto Bock HealthCare — Minneapolis, MN

Description:

Since 2002 a number of stance control orthoses have entered the market. This gives two options now for addressing the needs of the patient—stance control and conventional locked and free motion knees. A number of challenges exist to ensure that the patient is a good candidate for a stance control orthosis. Manual muscle testing and range-of-motion assessments are valuable for making that determination. When a patient is not a candidate, conventional means are employed. The use of L.A.S.A.R. posture will help determine the optimal balance of fitting a patient with an orthosis and gives immediate visual feedback to adjustments made. Now measurements from limb load line and total weight line can be documented for the patient record. These techniques will help to guide orthosis choice while helping ensure optimal fit and function to the patient. A number of different stance control and locked knee orthoses are covered.

Biography:

Kelly Clark has been in the O&P industry for 12 years. He earned his undergraduate degree in Psychology from Emporia State University, Emporia Kansas. Clark followed this with orthotic studies taken at Century College in White Bear Lake, Minnesota. He acquired his technical background at Gillette Children's Specialty Healthcare in St. Paul, Minnesota. Clark's clinical experience comes from Gillette Children's, Hanger Prosthetics & Orthotics and ACTRA Rehabilitation Associates. In 2002 Kelly started a career with Otto Bock Health Care as clinical specialist in Orthotics. While at Otto Bock, Kelly has been an integral part of educating theoretical and practical clinical concepts and developing a certified Orthotic fitter course that will serve as a pathway to a certified fitter credential.

O&P, C.Peds, BOC practitioners, Technicians...

Mark Your Calendar

Ohio Chapter

2008 Spring Technical Meeting

Hilton Hotel Easton Town Center

March 15, 2008

- General Sessions
- Breakout Sessions
- 60+ Exhibitors

November '07

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

December '07

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

January '08

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	19	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

February '08

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	

March '08

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

April '08

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

May '08

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

June '08

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

July '08

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

August '08

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

September '08

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

October '08

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	