REGISTRATION
October 25th and 26th, 2013

Surname: ________________________________

First Name: ________________________________

Profession: ________________________________

Address: ________________________________

Home Telephone: (____) ____________________

Business Telephone: (____) ____________________

Fax: (____) ____________________

Email Address: ________________________________

Please submit your registration by October 11th. Payment must be made in full to confirm registration.

CANCELLATION POLICY: Cancellations must in be writing and received two weeks prior to the course date (minus $100 processing fee). Refunds will not be granted after October 11, 2013.

Early Bird- until August 23rd $400 □
After August 23rd $450 □
Student rate $200 □

Please enclose a cheque payable to:
BCCH Physiotherapy Department

Mail to: BC Children’s Hospital
Physiotherapy Department
Attn. Lower Limb Musculoskeletal Development and Gait
4480 Oak Street – Room 1D61
Vancouver, BC V6H 3V4

For further inquiries, please contact: Kim Hesketh
khesketh@cw.bc.ca or Doria Bellows dbellows@cw.bc.ca;
604-875-2123

Any profits from this course will go directly to the BCCH Educational Funds for the Physiotherapy Department

Lower Limb Musculoskeletal Development and Common Gait Abnormalities

October 25-26, 2013

Speakers include:
Barbara Kelly, BScPT, MSc
Dr. Richard D. Beauchamp, M.D., FRCSC
Dr. Christine M. Alvarez, M.D., FRCSC, MSc
Yvonne Jeffreys, M.Sc., C.O.(c), F.C.B.C.
Valerie Ward BScPT, Shriners Gait Lab
Alec Black, MSc, Director, Shriners Gait Lab

Published by:
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Physiotherapy Department

Hosted by:
British Columbia Children’s Hospital
Physiotherapy Department
OBJECTIVES

Upon completion of this course the participant should be able to:

1. To familiarize yourself with common variations of normal leg development in the neonatal period.
2. To learn to differentiate deformations from malformations.
3. To identify which conditions require no treatment, observation only or more aggressive treatment or referral to a specialist.
4. To appreciate normal gait parameters and some typical deviations from normal.
5. To identify common congenital foot deformities and when to refer to orthopaedics.
6. To understand physiotherapy interventions during orthopaedic management with congenital foot deformities.
7. Compare and contrast developing and mature gait patterns.
8. Explain the general processes involved in maturation of postural control in childhood.
9. Discuss the clinical presentation of Idiopathic Toe Walking (ITW).
10. Become familiar with the physiotherapy, medical and surgical approaches to ITW.
11. Describe the Evidence-Based Care Guideline in the Management of ITW.
12. To understand when an orthotic prescription is indicated in children.
13. To identify which orthotic design features are most appropriate.
14. Identify 3 questions the gait lab can help the clinician answer
15. List 3 criteria that need to be considered to determine appropriateness of a referral to the gait lab
16. How can you make a visual gait analysis more objective?

COURSE OUTLINE

Day 1    Friday, October 25th, 2013

9.30  Registration
10.00  Normal development of the lower extremity including normal development from utero and preambulatory stages– Dr Beauchamp
12.00  Congenital foot deformities – Dr. Alvarez
13.00  Lunch
14.00  Congenital foot deformities – Dr. Alvarez (Cont’d)
15.00  Typical gait development and maturation of postural control -Barbara Kelly
17.00  End

Day 2    Saturday, October 26th, 2013

8.30  Clinical management and evidence-based guidelines for idiopathic toe walking-Barbara Kelly
10.30  Coffee
11.00  Orthotics-outcomes and literature-Yvonne Jeffreys
12.30  Lunch
13.15  Gait lab including Edinburgh Visual Gait Score Form with case video- Valerie Ward and Alec Black
15.30  End

LECTURERS

Dr. Richard Beauchamp has been a member of the active staff of BC Children’s Hospital in the Department of Orthopaedics since 1978. The focus of his practice is primarily neuromuscular diseases specializing in meningomyelocele and cerebral palsy. He has conducted out-reach clinics for children with special needs at the Centre for Ability in Vancouver and the Queen Alexandra Hospital in Victoria. Dr. Beauchamp has been responsible for the formation of a Botox program for management of children with spasticity. He is also a member of the Spasticity Assessment Clinic at BCCH and is Medical Director of the Amputee Clinic at BCCH. He is also the Medical Director of the Shriners Gait Lab located at Sunny Hill Health Centre for Children. His role includes patient selection for gait assessment, clinical interpretation of the analyses and research for children with various walking difficulties. He has recently been appointed to the Classification Committee of the Canadian Cerebral Palsy Sports Association.

Dr. Christine Alvarez completed her orthopaedic residency at the University of Western Ontario in London and her medical training at the University of British Columbia. Since joining the team at Children’s, she has completed a Masters of Science in Surgery. Dr. Alvarez is the Medical Co-Director of the Shriners Gait Lab located at Sunny Hill Health Centre for Children. Her role includes patient selection for gait assessment, clinical interpretation of the analyses and research for children with various walking difficulties. Dr. Alvarez has been responsible for the formation of the Clubfoot Clinic and the Hereditary Multiple Exostoses (HME) Clinic. Dr. Alvarez’s current areas of research include clubfoot and HME.

Barbara Kelly works as a senior clinical instructor at the School of Physiotherapy contributing her expertise and experience to the labs, lectures and tutorials for both first and second year students. In addition, she works clinically and in research at the IKW Health Centre specializing in neuro-developmental paediatrics. Barbara received her Diploma in Physiotherapy from University College Dublin, Ireland then went on to earn both her BSc in Physiotherapy and MSc (Rehabilitation Research) from Dalhousie University. She has recently been awarded a Clinical Specialist (Paediatrics) designation by the Physiotherapy Specialty Certification Board of Canada.

Yvonne Jeffreys has a B.Sc. in Engineering, M.Sc. in Rehabilitation Sciences and she has 20 years of experience as a Canadian Board Certiﬁed Orthotist. Her orthotic workplaces have included the Ottawa Rehabilitation Centre and the Royal Brisbane Hospital, as well as locally at Ortho Dynamics. Yvonne promotes interprofessional dialogue through her work with paediatric, and adult patients. Yvonne is the Orthotics Instructor for the Prosthetic and Orthotic program at British Columbia Institute of Technology (BCIT) while clinically practicing at Hodgson Orthotics in Coquitlam. Yvonne was awarded a Fellowship for her participation within the Canadian prosthetic and orthotic profession.

Valerie Ward has been a paediatric physiotherapist for over 30 years with experience in the gait lab since 1998. She is a clinical instructor at UBC teaching paediatric gait analysis to the MPT students. Her interest is in teaching others how to look at functional gait and is most interested in learning how to change gait.

Alec Black is the Director of the Shiner’s Gait Lab and has been with the Lab since helping found it in 1997. During his time with the Lab he has conducted over 3000 clinical assessments of children with neuromuscular disorders. As a member of the Department of Orthopaedics, Alec has been involved with and led numerous research projects. Most recently the Gait Lab’s research into midfoot break in children with cerebral palsy won the Best Paper award at the 2012 Gait and Clinical Movement Analysis meeting.