

ROLE OF THE PHYSIOTHERAPIST IN THE DIAGNOSIS, TREATMENT AND REFERRAL OF SCOLIOSIS PATIENTS

The Royal Society of Medicine, Wimpole Street, London
Tuesday 27th April 2010 – 10am to 4pm

THE SEMINAR WILL COVER:

- ◆ The theories of scoliosis development and the impact of scoliosis on the neuromuscular system.
 - Definitions and terminology
 - The theories Scoliosis of aetiology
 - The biomechanics of Scoliosis
- ◆ How to screen for and diagnose scoliosis.
 - Postural imbalance caused by scoliosis
 - Postural assessment of scoliosis
 - Screening using a scoliometer
 - X-ray interpretation
- ◆ The different classifications of scoliosis.
 - Adolescent idiopathic scoliosis
 - Adult Scoliosis
 - Other types of Scoliosis i.e. Neuromuscular
- ◆ The differences between adolescent and adult scoliosis.
- ◆ The role of physiotherapy approaches in the treatment of early onset scoliosis, adolescent scoliosis and adult scoliosis.
 - Postural Rebalancing exercises
 - Muscle Rebalancing exercises
 - Neuromuscular postural integration
- ◆ The role of different forms of scoliosis bracing including the SpineCor Dynamic Corrective Brace.
 - A review of the effectiveness of bracing according to the new SRS criteria
 - Boston/TLSO Brace
 - SpineCor dynamic system
 - Rigid vs. Dynamic bracing
- ◆ How physiotherapy can complement brace treatment.
 - The Physical therapy approach for rigid bracing
 - The Physical therapy approach for dynamic bracing
- ◆ When to refer for surgery and the various approaches to surgery.
 - Red flags
 - Cut offs for conservative treatment
 - Spinal fusion and rod implantation
 - Growing rods
 - Stapling
 - Adult surgery

The seminar will be presented by four experts in the field of scoliosis diagnosis and management:

Mr Andrew Howard, MBCHB, FRCS

Mr Howard graduated from Sheffield University in 1985. He undertook his basic and higher surgical training on the Sheffield University Teaching Hospitals training programmes. He spent one year as a clinical fellow in Adelaide as part of his higher surgical training specialising in Spinal surgery. During his training he was Secretary and then President of the British Orthopaedic Trainees Association. In 1997 he was appointed as a consultant spinal surgeon to the Sheffield University Hospitals NHS Trust and made honorary senior lecturer to the University of Sheffield. He also became Director of Post Graduate Medical Education. In 2004 he joined the One Health Group and is developing spinal services for this "chamber" of orthopaedic surgeons.



Mr Andrew Mills, Dip OTC MBAPO MISPO

Andrew qualified from the London School of Orthotics in 1981 commencing his clinical training straight after working at The Royal Hallamshire Hospital Sheffield, Doncaster Royal Infirmary, Doncaster and Worksop Montague Hospital. Within the first year of his clinical training Andrew became interested in Scoliosis treatment working under Prof Sharrard. Following his clinical training Andrew worked for 10 years at the Royal Hallamshire Hospital before moving to the Sheffield Children's Hospital where he eventually became a clinical specialist working exclusively in the field of Scoliosis Treatment.

Alongside his clinical professional development Andrew became commercially involved in the manufacture of orthosis due mainly to the limited capabilities of the orthotic companies around at the time. His first company O+P Services Limited grew rapidly due to its pioneering advancements in the field of orthotics. As Andrew's interests began to focus more into the field of scoliosis treatment he formed Healthcare UK Limited a clinical services company specialising in the treatment of Spinal deformity. Subsequently the SpineCorporation Limited was founded with the developers of the SpineCor brace Prof Charles Hilaire Rivard and Dr Christine Colliard. Andrew is presently Managing director of both companies.

Andrew today divides his time between Clinical practice, R&D and education as well as managing the businesses. Currently Andrew is involved in a 10 year prospective trail investigating the efficacy of dynamic bracing in the treatment of both Juvenile and adolescent idiopathic scoliosis at the Sheffield Children's Hospital.



Dr Jeb McAviney, M.Chiro., MPainMed., FCBP

Dr. McAviney has a special interest in scoliosis and chronic pain management. He is the founder of the London Scoliosis Clinic and provides conservative treatment and bracing services at the London clinic. He is involved in research and development with The SpineCorporation, specifically in the area of adult deformity bracing. His educational background includes, Bachelor of Science, Masters of Chiropractic, Masters in Pain Medicine, Advanced Fellowship in Clinical Bio-mechanics of Posture, SpineCor bracing certified practitioner and SpineCor certified trainer for bracing and physical therapy programs.



Ms Ana Del Campo, PT

Ana graduated from University of Salamanca (Spain) in 1996. She very early became interested in scoliosis treatment. It was this interest which brought her to Ste. Justine Hospital in Montreal (Canada), where she was trained on the SpineCor concept by the developers of the brace Prof. Charles Rivard and Dr. Christine Coillard in 1999. As part of Ana's continuous education on spinal deformities management field, she has completed several courses on this matter and attended numerous congresses and meetings related to scoliosis treatment.

In 2000 Ana became involved in SpineCor training for the first time as SpineCor System European Trainer. Later she joined The SpineCorporation Limited taking the position of International Training Manager, a position that she currently holds. Since 2000 Ana has been involved in SpineCor System training being responsible for the education of hundreds of health professionals around the world.

Her deep knowledge of the SpineCor System and scoliosis management brought her to expand the SpineCor treatment to the Physiotherapy field developing the SpineCor Method for Scoliosis Physiotherapy Treatment, which has been utilised over the past 6 years.

Course Fee: £70 to include Lunch and Refreshments

For further course details and a registration form please contact **Karen Tonks** on **01246 454682**
or email k.tonks@healthcare.uk.net