

FINAL PROGRAM

Video Presentations

Friday, July 16

2:30 - 3:00 pm
Waterfront 2

Multimedia Guide to the Use of the Orthopaedic Corset

Massimo Pulin
Candioli Dario

In order to provide the young patient who makes use of an orthopaedic corset with as much information as possible about its correct use, the authors think that a multimedia guide may prove more effective and stimulating and they realized a program that can find an answer to all the questions that may arise while using a brace, with the patient taking an active role. The topic has been developed with easy concepts; the program explains for example how an orthopedic corset is made, how to use it and how to solve the various problems connected with the use of a brace.

2:30 - 3:00 pm
Waterfront 3

Special Applications of the TEC Standard Liner

Patrick Ducros

3:00 - 3:30 pm
Waterfront 3

Using TEC Liners for Transfemoral & Transtibial Cases

Patrick Ducros



XIV International INTERBOR World Congress

World Trade Center
Boston, Massachusetts



3:00 - 3:15 pm
**Scientific Evaluation of Orthoses for
Infantile Flat Foot**
Vedovi Ermes
Massimo Pulin

The evaluation of third degree infantile flat footedness consists not only of clinical assessment, but also of complementary research such as Radiophotopodogramma and Computerized Pressure Analyses (CPA). Using a CPA system, we studied 40 children affected with flat feet in the three to five years age group, wearing corrective innersoles semi-enclosed in Lunasoft with subtalar joint wedge, made to order in Prater style. In this group 20 children using the Dinatto sole system were examined, making it possible to confirm the preceding results of computerized analyses of pressure and to verify the efficacy of the orthosis. Buratto's Dinatto system is composed of a sole with 128 sensors to each pair and a Datalogger with 32 bit and 8 doors. I/O with frequency of 20/250 acquisitions. The instrument made it possible to examine the correction made by the orthosis during spontaneous observation time with respect to the CPA. Through this methodical instrument it was possible to adapt the corrective innersoles, capable of correcting individual morpho-functional alterations even during the full gate cycle (stance and swing phases).

3:15 - 3:30 pm
A New Supplementary Walking (RGO) Orthosis
Dewen Jin

This paper presents an advanced supplementary walking orthosis. It is designed to improve life for the spinal injured individual and for the patients who have weakened lower limbs and difficulty in normal walking. The new walking orthosis consists of a waist support frame and a supplementary artificial knee joint on both outer sides of the leg frames of the orthosis. The special designed knee joint has self-locking function under the acting of body weight in standing phase and it will be released in swing phase automatically. In order to adapt the human walking gait, a special multi-centered joint mechanism has been designed for the artificial