



# TRAMA

## TRAINING in Motion Analysis



### "The role of Motion Analysis in rehabilitation"

Seminars on 2nd year of TRAMA Network Project

21st -23rd May 2008



Conference Room  
IRCCS "SAN RAFFAELE PISANA" - Tosinvest Sanità  
Via Della Pisana 235  
ROMA (ITALY)

#### Wednesday, 21st May 2008

<p><b>9.00 – 9.30</b> <i>Salvatore Rubino, Giorgio Albertini, Marcello Crivellini, Massimo Fini</i> <b>Welcome.</b> The IRCCS "San Raffaele Pisana" presentation. The scientific collaboration between Tosinvest Sanità and Bioeng. Dept of Polytechnic of Milan.</p> <p><b>9.30 – 10.00</b> <i>Manuela Galli, Helga Hirschfeld</i> <b>Description of the seminars. Aims and organization.</b></p> <p><b>10.00 – 10.45</b> <i>Manuela Galli, Helga Hirschfeld</i> <b>The use of Movement and Gait Analysis in clinics: Protocols, difficulties and error related to the patient conditions with particular reference to Cerebral Palsy.</b></p> <p><b>10.45 - 11.15</b> <b>Discussion.</b> Before the discussion the participants will be divided in three groups. Each group will prepare questions about the main common difficulties that they have during the Gait Analysis acquisition on pathological patients. These questions will be discussed with teachers.</p> <p><b>11.15 – 11.30</b> Break</p> <p><b>11.30 – 12.30</b> <i>Manuela Galli, Helga Hirschfeld, Veronica Cimolin</i> <b>Practical session in the lab: acquisition of data related to main problems occurring during acquisition of patients with Cerebral Palsy and principal corrections. Data analysis.</b></p> <p><b>12.30 - 13.00</b> <b>Discussion.</b></p>	<p><b>13.00 - 14.00</b> Lunch</p> <p><b>14.00 - 14.45</b> <i>Giorgio Albertini, Manuela Galli, Nunzio Tenore</i> <b>The use of Gait Analysis in Cerebral Palsy. Evaluation of Botulinum Toxin treatment and Baclofen pump treatment.</b></p> <p><b>14.45 - 15.15</b> Work in group and discussion about the argument of the presentation.</p> <p><b>15.15 – 15.30</b> Break</p> <p><b>15.30 – 16.15</b> <i>Giorgio Albertini, Manuela Galli, Nunzio Tenore</i> <b>The use of movement analysis in the evaluation of orthosis and rehabilitative treatment in children with Cerebral Palsy.</b></p> <p><b>16.15 – 17.00</b> <i>Paolo Onorati, Giampiero Tamburrini, Giovanni Baranello</i> <b>The Dorsal Rhizotomy in children with Cerebral Palsy. The evaluation of the effects of Dorsal Rhizotomy using movement analysis: previous studies and results.</b></p> <p><b>17.15 - 18.00</b> Work in group and discussion about the argument of the two previous presentations.</p>
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#### Thursday, 22nd May 2008

<p><b>9.00 – 10.45</b> <i>Reinald Brunner</i> <b>The use of Gait Analysis in orthopaedic surgical treatment in children with Cerebral Palsy.</b></p> <p><b>10.45 – 11.00</b> Break</p> <p><b>11.00 – 12.15</b> <i>Carlo Frigo</i> <b>Biomechanical models for the simulation of orthopaedic surgery.</b></p> <p><b>12.15 - 13.00</b> Work in group and discussion about the argument of the two previous presentations.</p> <p><b>13.00 – 14.00</b> Lunch</p> <p><b>14.00 - 15.30</b> <i>Carlo Frigo, Reinald Brunner, Manuela Galli, Giorgio Albertini</i> <b>Round Table. The collaboration of medicine and bioengineering: our experience.</b></p> <p><b>15.30 - 15.45</b> Break</p> <p><b>15.45 – 17.15</b> <i>Federico Donatelli, Luca Minesso, Veronica Cimolin</i> <b>Practical session in Gait Analysis Lab: the new technologies for movement analysis.</b></p> <p><b>17.45 – 18.00</b> <b>Discussion.</b></p>
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#### Friday, 23rd May 2008

<p><b>9.00 - 9.30</b> <i>Salvatore Giaquinto</i> <b>The importance of movement analysis for rehabilitation.</b></p> <p><b>9.30 - 10.00</b> <i>Paolo Onorati</i> <b>The role of motion analysis and motor control.</b></p> <p><b>10.00 – 10.45</b> <i>Francesca Depandis, Maria Gaglione</i> <b>The importance of movement analysis gait lab for the rehabilitation in adult patients: the experience of the Gait Analysis Lab of "San Raffaele Cassino" hospital.</b></p> <p><b>10.45 – 11.00</b> Break</p> <p><b>11.00 - 12.30</b> <i>Helga Hirschfeld, Manuela Galli, Veronica Cimolin</i> <b>Movement analysis in SWOT perspective (small group team work considers strenght, weakness, opportunities, threats).</b></p> <p><b>12.30 – 13.00</b> <b>SWOT-Presentation.</b></p> <p><b>13.00 – 14.00</b> Lunch</p> <p><b>14.00 - 15.30</b> <b>The TRAMA project: presentation of the project to media.</b></p> <p><b>15.30 - 15.45</b> Break</p> <p><b>15.45 – 17.15</b> <i>Manuela Galli, Marcello Crivellini, Helga Hirschfeld</i> <b>Organization of the second year of TRAMA project and closing remarks.</b></p>
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[www.biomed.polimi.it/trama/](http://www.biomed.polimi.it/trama/)  
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