



# TRAMA

## TRAINING in Motion Analysis

### "Motion Analysis and clinics: why to set up a Motion Analysis Lab?"



Second course of TRAMA Network Project

14th -17th January 2008



Université Libre de Bruxelles  
Campus ERASME - Institut des Sciences de la Motricité  
Laboratoire de Neurophysiologie et de Biomécanique du Mouvement  
Route de Lennik, 808 CP 640  
1070 Bruxelles (BELGIUM)

#### Monday, 14th January 2008

9.30 – 10.00	<i>Guy Cheron, Dan Bernard</i> : <b>Welcome</b> - General description of the course and organization of the practical session
10.00 – 11.00	<i>Manuela Galli</i> : <b>Why a Movement and Gait Analysis Lab in clinics?</b> - Organization of a Gait Lab for clinical use - Patient management
11.00 – 11.15	Break
11.15 – 12.45	<i>Helga Hirschfeld</i> : <b>The experience of the Movement and Gait Analysis Lab of Karolinska Institutet, Sweden</b> - Pathologies evaluated - Kind of evaluated movements
12.45 – 14.00	Lunch
14.00 – 15.30	<i>Manuela Galli, Marcello Crivellini</i> : <b>The clinical experience of the Movement and Gait Analysis Lab of Bioeng Dept, Politecnico of Milan, Italy</b> - The clinical service - Pathologies evaluated using gait analysis test - Pathologies evaluated using other movements evaluation (posture, upper limb, ...)
15.30 – 15.45	Break
15.45 – 17.15	<i>Giorgio Albertini</i> : <b>The clinical experience of the Movement and Gait Analysis Lab of the IRCCS "San Raffaele" Tosinvest Sanità Rome, Italy</b> - The use of Gait Analysis in the evaluation of children with Cerebral Palsy and with Down Syndrome. - The use of Gait Analysis in the evaluation of adult patients with Parkinson disease and with other pathologies.
17.15 – 18.00	<b>Discussion</b>

#### Tuesday, 15th January 2008

9.00 – 10.00	<i>Guy Cheron</i> : <b>The clinical experience of the Laboratory of Neurophysiology and Movement Biomechanics (LNMB) of Université Libre de Bruxelles, Belgium</b>
10.00 – 10.30	<i>Jacques Duysens</i> : <b>New methods for the analysis of human locomotion. KUL, Bruxelles, Belgium</b>
10.30 – 11.00	<i>Véronique Feipel</i> : <b>In vivo and in vitro assesment of joint kinematics. Laboratoire d'Anatomie fonctionnelle, Bruxelles, Belgium</b>
11.00 – 11.15	Break
11.15 – 12.30	<i>Bernard Dan</i> : <b>The clinical experience of the Movement and Gait Analysis Lab of Hospital Universitaire des Enfants Reine Fabiola Bruxelles, Belgium</b>
12.30 – 13.00	<i>Ana Bengotexea</i> : <b>The search of temporal coordination sequences in complex movements (LNMB)</b>
13.00 – 14.00	Lunch
14.00 – 15.30	<i>Susana Lillo, Carlo Paolinelli</i> : <b>The clinical experience of the Movement and Gait Analysis Lab of Sociedad Pro Ayuda del Niño Lisiado Instituto de Rehabilitación Infantil TELETON Santiago, Chile</b> - Pathologies evaluated - Treatments evaluated using Gait Analysis in Cerebral Palsy Indications Results
15.30 – 15.45	Break
15.45 – 17.15	<i>Arthur Pichardo</i> : <b>The clinical experience of the Movement and Gait Analysis Lab of Centro de Rehabilitación Infantil TELETON CRIT - Mexico City, Mexico</b>
17.45 – 18.00	<b>Discussion</b>

#### Wednesday, 16th January 2008

9.00 - 10.30	<i>Sergio Guizard</i> : <b>The clinical experience of the Movement and Gait Analysis Lab of Centro de Rehabilitación Infantil TELETON de Occidente CRIT, Guadalajara, Mexico</b>
10.30 - 10.45	Break
10.45 - 12.15	<i>Pablo-Rogelio Hernandez</i> : <b>Movement analysis and clinics: the experience of the Cinvestav of Mexico City</b> - Study of movement analysis to determine objective indicators for the falling syndrome in elderly.
12.15 - 12.45	<b>Discussion</b>
12.45 - 14.00	Lunch
14.00 - 15.30	<i>Ivan Uribe</i> : <b>The clinical experience of the Movement and Gait Analysis Lab of Instituto de Ortopedia Infantil Roosevelt, Bogotá, Colombia</b>
15.30 - 15.45	Break
15.45 - 17.15	<i>Juan Alberto Castillo</i> : <b>The clinical experience of the Movement and Gait Analysis Lab of Universidad Colegio Mayor de Nuestra Señora del Rosario, Bogotá, Colombia</b>
17.15 - 18.00	<i>Manuela Galli</i> : <b>General comments</b>

#### Thursday, 17th January 2008

9.00 - 9.30	<i>Manuela Galli, Marcello Crivellini</i> : <b>Organization of clinical cases presented by the Grant Holders</b>
9.30 - 10.30	<i>Clinical case presented by Chilean Grant Holders</i>
10.30 - 10.45	Break
10.45 - 11.45	<i>Clinical case presented by Mexican Grant Holders</i>
11.45 - 12.45	<i>Clinical case presented by Colombian Grant Holders</i>
12.45 - 14.00	Lunch
14.00 - 15.00	<i>Clinical case presented by Italian Grant Holders</i>
15.00 - 16.00	<i>Clinical case presented by Sweden Grant Holder</i>
16.00 - 16.15	Break
16.15 - 17.15	<i>Clinical case presented by Belgian Grant Holder</i>
17.15 - 18.00	<i>Guy Cheron, Manuela Galli, Marcello Crivellini</i> : <b>Closing remarks</b>

**At the end of the course the Latin American grant holders will stay till January 25th in Bruxelles for practical sessions in Gait Labs focused on Motion Analysis.**



[www.biomed.polimi.it/trama/](http://www.biomed.polimi.it/trama/)  
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