



**4th European GAITRite Meeting
24-26 September 2009, Basel, Switzerland**

Organizer:

Reto W. Kressig, MD
Basel Mobility Center
Department of Acute Geriatrics
Basel University Hospital
Schanzenstrasse 55
CH-4031 Basel, Switzerland

Final Program

**Pre-conference technical discussions and
special topics on the GAITRite system (Hotel Rochat)**

Thursday, Sept. 24

17:00 – 20:00

Technical discussions:

Doug Haas & Mike Rowling, GAITRite/CIR Systems Inc.:

- New applications and new software / hardware developments including introduction of the M² (GAITRite squared)
- Open informal discussions on suggestions and needs expressed by GAITRite users

Special topics:

Quadruped Gait Analysis with the GAITRite system:

- What's new concerning the GAITRite system in small animal gait analysis?:

Spatial, temporal and kinetic evaluation of normal cats at walk using a pressure walkway;

Hip dysplasia in dogs: correlation between lameness, radiographics and walkway gait analysis: *Prof. Eric Viguiet and colleagues, Ecole Nationale Vétérinaire de Lyon, Marcy l'Etoile, France*

- Gait variability: from dog to human: *Prof. Olivier Beauchet, Médecine Interne et Gériatrie Clinique, CHU Angers, France*

- Automated cow gait analysis for lameness detection:

Dr. Willem Maertens, ILVO, Mellebeke, Belgium (presented by Michael Rowling)

20:00 – 21:00

Welcome Cocktail (Hotel Rochat)



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**Clinical Applications of Spatial and Temporal Gait Analysis
(University Hospital Basel)**

Friday, Sept. 25

08:30 – 09:00

Welcome gathering with coffee & croissants

09:00 – 09:10

Opening: *Prof. Reto W. Kressig, Basel University, Basel, Switzerland*

Key speakers (*Presentation 40 min., Discussion 10 min.*)

09:10 – 10:00

Normalization of gait speed: *Prof. Rolf Moe-Nilssen, Physiotherapy Science, Bergen University, Bergen, Norway*

10:00 – 10:50

Clinical decision making utilizing GAITRite for patients with movement disorders: *Prof. Rao K Ashwini, HDSA Center of Excellence at Columbia University Medical Center, New York, USA*

10:50 – 11:10

Coffee break and poster exhibition

11:10 – 12:00

Gait variability update 2009: *Prof. Olivier Beauchet, Médecine Interne et Gériatrie Clinique, CHU Angers, Angers, France*

12:00 – 12:50

Combining gait and cognition: the Basel assessment model:
Dr. Stephanie Bridenbaugh, Basel Mobility Center, Basel University Hospital, Basel, Switzerland

12:50 – 14:30

Lunch (hospital cafeteria) **and poster exhibition**

14:30 – 15:00

Plotting measurements over time – bringing clarity to functional measurements: *Mike Rowling, GAITRite/CIR Systems*

15:00 – 18:00

Oral presentations (*Presentation 15 min., Discussion 5 min.*)

15:00 – 15:20

Gait analysis in the differential diagnosis of patients with vestibular disorders: *Dr. Roman Schniepp, University Hospital Munich, Munich, Germany*

15:20 – 15:40

Spatio-temporal gait analysis using an instrumented walkway: normal database, validity and reliability: *Dr Veronique Feipel, Laboratory for Functional Anatomy, Université Libre de Bruxelles, Brussels, Belgium*

15:40 – 16:00	Spatio-temporal gait parameters in severely obese vs. non-obese individuals: <i>Dr. Nicola A. Maffiuletti, Neuromuscular Research Laboratory, Schulthess Clinic, Zurich, Switzerland</i>
16:00 – 16:20	Age-related effects on postural control under multitasking conditions: <i>Dr. Urs Granacher / Dr. Thomas Mühlbauer, Institute of Exercise and Sports Science, Basel, Switzerland</i>
16:20 – 16:40	Coffee break and poster exhibition
16:40 – 17:00	Functional Ambulation Profile: an index for quantifying gait dynamic stability: <i>Dr. Fabrice Mégrot, Centre de Rééducation pour Enfants, Croix Rouge Française, Bois-Larris, France</i>
17:00 – 17:20	Mobile metropolitans are fitted for age: first results of LUCAS (Longitudinal Urban Cohort Ageing Study): <i>Dr. Jenny Anders, Forschung Albertinen Haus, Zentrum für Geriatrie und Gerontologie, Hamburg, Germany</i>
17:20 – 17:40	Music based multitask exercises (Jacques-Dalcroze eurhythmics) improves gait and balance in elderly: preliminary results from a randomized controlled trial: <i>Dr. Andrea Trombetti, Département de Réhabilitation et Gériatrie, Hôpital Universitaire de Genève, Geneva, Switzerland</i>
17:40 – 18:00	Gait parameters are responsive to change in function associated with TNF blockade in people with ankylosing spondylitis: <i>Dr. Anthony Redmond, Leeds Inst. for Molecular Medicine, Chapel Allerton Hospital, Leeds, U.K.</i>
18:00 – 18:20	The IDEEA accelerometry system vs. the GAITRite walkway system in patients with hip osteoarthritis. A validity study: <i>Julia Glatthorn., Neuromuscular Research Laboratory, Schulthess Clinic, Zurich, Switzerland</i>
18:20 – 18:30	Closing: <i>Prof. Reto W. Kressig, Basel University, Basel, Switzerland</i>
19:30 – 20:00	Aperitif (Krafft Restaurant, Basel)
20:00 – 23:00	Gala Dinner (Krafft Restaurant, Basel)

Saturday, Sept. 26

09:00 – 12:00	<u>Workshops</u> (3 workshops running in parallel, 1h each)
Workshop Nr.1	Dual tasking: <i>Dr. Stephanie Bridenbaugh, Prof. Reto W. Kressig</i>
Workshop Nr.2	Normalization of gait speed, practical aspects: <i>Prof. Rolf Moe-Nilssen</i>
Workshop Nr.3	M² (GAITRite squared), GaitRite technical aspects such as data processing, editing tools, footfall analysis: <i>Mike Rowling, Doug Haas</i>