



Human Perception of Verticality: Lateropulsion & Retropulsion in Neurological Disorders



May 10, 2019

Bad Aibling, Germany

B&O Parkhotel

Supported by



Scientific program

Friday, 10/05/2019

08:30 – 09:00 Arrival and coffee

09:00 – 09:15 Welcome and introduction

J. Bergmann, F. Müller

09:15 – 10:30 Assessment of lateropulsion & retropulsion

Chair: K. Jahn

- 9:15 Clinical measures for lateropulsion (R. Koter)
- 9:35 The new 'Scale for Lateropulsion' (A. Kistner, D. Pérennou)
- 9:55 The new 'Scale for Retropulsion' (J. Bergmann)
- 10:10 Tools for the assessment of verticality perception (A. Zwergal)

10:30 – 11:00 Coffee break

11:00 – 12:15 Verticality perception & postural control

Chair: D. Pérennou

- 11:00 Multisensory control of posture (K. Jahn)
- 11:15 Postural control post stroke (A. Mansfield)
- 11:35 Backward disequilibrium (F. Mourey, P. Manckoundia)
- 11:55 Verticality perception and lateropulsion (W. Saeys)

12:15 – 14:00 Lunch and posters

14:00 – 15:30 Verticality perception & brain function

Chair: F. Müller

- 14:00 Cortical representation of verticality (M. Dieterich)
- 14:20 Neural bases of postural verticality perception (D. Pérennou, C. Piscelli)
- 14:40 Brain regions associated with pusher behavior (C. Krewer)
- 14:50 Recovery from lateropulsion: role of brain lesions and impairments (S. Babyar)
- 15:10 3-D orientation in space and navigation (T. Brandt)

15:30 – 16:00 Coffee break

16:00 – 17:00 Therapy of lateropulsion & retropulsion

Chair: J. Bergmann

- 16:00 Visual feedback therapy (D. Brötz)
- 16:20 Transcranial direct current stimulation (T. Santos-Pontelli)
- 16:40 Robot-assisted gait training (F. Müller)

17:00 – 17:30 Discussion and farewell

J. Bergmann, K. Jahn

Speaker

Name	Affiliation
Suzanne Babyar, Dr.	Hunter College of the City University of New York, USA Burke Rehabilitation Hospital
Jeannine Bergmann, Dr.	Munich University Hospital, Germany Schön Klinik Bad Aibling
Thomas Brandt, Prof.	Munich University Hospital, Germany
Doris Brötz	University Tübingen, Germany Brötz Physiotherapie
Marianne Dieterich, Prof.	Munich University Hospital, Germany
Klaus Jahn, Prof.	Schön Klinik Bad Aibling, Germany Munich University Hospital
Ryan Koter, Dr.	Shepherd Center, Atlanta, USA
Andrea Kistner, Dr.	University of Grenoble, France
Carmen Krewer, Dr.	Schön Klinik Bad Aibling, Germany Technical University of Munich
Patrick Manckoundia, Prof.	University of Burgundy, France
Avril Mansfield, Dr.	Toronto Rehabilitation Institute, Canada
France Mourey, Prof.	University of Burgundy, France
Friedemann Müller, Dr.	Schön Klinik Bad Aibling, Germany
Dominic Pérennou, Prof.	University of Grenoble, France
Céline Piscicelli, Dr.	University of Grenoble, France
Taiza Santos-Pontelli, Prof.	Ribeirão Preto Medical School, University of São Paulo, Brazil
Wim Saeys, Prof.	University of Antwerp, Belgium Rehabilitation Hospital Revarte
Andreas Zwergal, PD	Munich University Hospital, Germany

Information

Registration

No registration fee, but pre-registration is required until March 10, 2019.

For registration, please email: jeannine.bergmann@med.uni-muenchen.de

Poster

There will be a poster session which offers a great opportunity to researchers at all levels to present their work. We invite you to submit your abstracts (approx. 500 words, English) for posters via email until February 28, 2019: jeannine.bergmann@med.uni-muenchen.de

The abstracts of the posters will be published in the journal *Neurologie und Rehabilitation*.

Venue

B&O Parkhotel, Dietrich-Bonhoeffer-Str. 31
83043 Bad Aibling (Mietraching), Germany



Accommodation

We reserved several rooms in the B&O Parkhotel from May 8-11, 2019 at a special rate (single room € 96 per night, double room € 126 per night). Please refer to the keyword *Schön Kliniken – Fachsymposium* when booking the room.

The rooms can be booked by email service@bo-parkhotel.de or by phone +49 (0)8061 38999-0 until March 12, 2019.

Organization committee

Jeannine Bergmann (Munich & Bad Aibling, Germany)

Klaus Jahn (Munich & Bad Aibling, Germany)

Dominic Pérennou (Grenoble, France)

Friedemann Müller (Bad Aibling, Germany)

Carmen Krewer (Bad Aibling & Munich, Germany)

Contact

If you have any questions, please contact Jeannine Bergmann:

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