

Personal Details

Name	Karin Birrer(-Brütsch)
Position	Post-Doc. REHAB Research Group, Neuropsychology
Academic Position	Dr. des. phil
Address	Rehabilitation Centre Affoltern am Albis University Children's Hospital Zurich Mühlebergstrasse 104 CH-8913 Affoltern am Albis Switzerland
Phone	+41 44 762 52 97
E-mail	karin.birrer@kispi.uzh.ch



Graduate

- 2007-10 PhD psychology, University of Zurich, CH
- 2000-06 lic. phil. in Psychology, University of Zurich, CH

Scientific Interests

- Neurorehabilitation
- Virtual reality and robotic assisted treadmill training
- Motor learning and plasticity

Grants

- May 2009 – Brütsch K., Forschungskredit University of Zurich (CHF 60'000.-)
- April 2008 – Brütsch K., Olga Mayenfish Foundation (CHF 40'000.-)

Reviewer

- JRRD
- Clinical Rehabilitation

Memberships

- Föderation der Schweizer Psychologinnen und Psychologen (FSP)
- Kantonalverband der Zürcher Psychologinnen und Psychologen (ZüPP)
- Forschungszentrum für das Kind (FZK)

Publications

- **Brütsch K.**, König, A., Zimmerli, L., Mérillat (-Köeneke), S., Riener, R., Jäncke, L., Meyer-Heim, A. (2011). Virtual reality for Enhancement of Robotic Assisted Gait Training with children with Central Gait Disorders. *J Rehabil Med.* 43, 6: 493-9.
- Schuler T., **Brütsch K.**, Müller R., L., Meyer-Heim A. (2011). Virtual reality as a Motivational Tool for Robotic Assisted Gait Training in Children: A Surface Electromyography Study. *Neurorehabilitation.* 28, 4: 401-11.
- **Brütsch K.**, Borggraefe I, Meyer-Heim A. Roboter-assistierte Gangtherapie in virtueller Umgebung: neue Perspektiven in der Neurorehabilitation von Kindern. *Praxis der Kinder-Reha, Spezial –Themenheft: Praxis Physiotherapie 2010; Mai: 26-30*
- **Brütsch K.**, Schuler T, Koenig A, Zimmerli L, Mérillat (-Koeneker) S, Lünenburger L, Riener R, Jäncke L, Meyer-Heim A. (2010). Influence of virtual reality soccer game on walking performance in robotic assisted gait training for children. *J Neuroeng Rehabil.* 2010 Apr 22;7:15.
- **Brütsch K.**, Koenig A., Zimmerli L., Guidali M., Duschau-Wicke A., Wellner M., Meyer-Heim, A., Lünenburger L., Koeneker S., Jäncke L., Riener R. (2008). Virtual reality increases participation of children with CP in robot-aided treadmill training. *Proceedings of Virtual Rehabilitation, Vancouver Canada, 121-126.*
- Hänggi J., **Brütsch K.**, Siegel A.M., Jäncke L. The Architecture of the Chess Player's Brain (submitted).
- **Brütsch K.**, Schaumann S, Duschau-Wicke A, Mérillat (-Koeneker) S, Lünenburger L, Riener R, Jäncke L, Grüneberg Ch, Meyer-Heim A. Influencing Stance Phase Activity in Children with Neurological Disorders During Robotic-Assisted Gait Training (in prep.).