

## Personal Details

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Name	Petra Marsico (- Niederberger)
Position	Paediatric Physiotherapist, Clinical Research Associate Paediatric Rehab Research Group, PhD cand.
Academic Position	MSc in Physiotherapy, BFH
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## Graduate

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- **2019** – present PhD program Queen Margaret University, Edinburgh, UK
- **2010- 2013** Master of Science in Physiotherapy, Bern University for applied Sciences (BFH), CH
- **2007** UAS Degree (Bachelor of Science FH in Physiotherapy), CH
- **2006** Certificate as a Bobath trained pediatric Therapist, The Bobath Center London, UK
- **1998-2002** School for Physiotherapy Basel, CH

## Scientific Interests

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- Body sensation and Body awareness
- Motor imagery training
- Outcome Assessments
- Structural influence on mobility, function and movement performance in children with disabilities
- Gait analysis, gait training and orthotic

## Clinical Interests

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- Development of clinical guidelines:
  - Pelvic floor training to support continence in children with neurological disorders
  - Climbing therapy in children adapted training program
  - Algorithm for treatment of elbow contractures with splinting
- Development of clinical concepts:
  - "Reach for the stars" Patient education concept to strengthen the self-efficacy with climbing therapy in the rehabilitation setting
- Leader of the Diploma of Advanced Studies Neurodevelopmental Developmental Treatment, Advanced Studies, University Basel, CH

## Memberships

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- Swiss association for neurodevelopmental treatment (Bobath) trained Therapists (NDTSWISS)
- Swiss association for Paediatric Physiotherapists (Physiotherapia Paediatrica)
- Swiss Association for Physiotherapy (physioswiss)
- Swiss Academy for Childhood Disability (SACD)

## Publications

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- Tschirren L., Bauer S., Hanser C., **Marsico P.**, Seller D., van Hedel HJ. The Eating and Drinking Ability Classification System: concurrent validity and reliability in children with cerebral palsy. *Developmental Medicine and Child Neurology*. 2018
- Balzer J, **Marsico P**, Mitteregger E, van der Linden ML, Mercer TH, van Hedel HJ. Influence of trunk control and lower extremity impairments on gait capacity in children with cerebral palsy. *Disability and Rehabilitation*. 2018.
- **Marsico P**, Mitteregger E, Balzer J, van Hedel HJ. Trunk Control Measurement Scale: Reliability and discriminative validity in children and youths with neuro-motor disorders. *Developmental Medicine and Child Neurology*. 2017.
- **Marsico P**, Frontzek-Weps V, Balzer J, van Hedel HJ. Hypertonia Assessment Tool: Reliability and Validity in Children with Neuromotor Disorders. *Journal of Child Neurology*. 2017.
- **Marsico P**, Tal-Akabi A, van Hedel HJ. The relevance of nerve mobility on function and activity in children with Cerebral Palsy. *BMC Neurology*. 2016.
- Mitteregger E, **Marsico P**, Balzer J, van Hedel HJ. Translation and construct validity of the Trunk Control Measurement Scale in children and youths with brain lesions. *Research in Developmental Disabilities*. 2015
- Balzer J, **Marsico P**, Mitteregger E, van der Linden ML, Mercer TH, van Hedel HJ. Construct validity and reliability of the Selective Control Assessment of the Lower Extremity in children with cerebral palsy. *Developmental Medicine and Child Neurology*. 2015
- **Marsico P**, Tal-Akabi A, van Hedel HJ. Reliability and practicability of the straight leg raise test in children with cerebral palsy. *Developmental Medicine and Child Neurology*. 2015

## Awards

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- **Anna-Müller-Grocholski Price for clinical projects:**  
Graser JV, **Marsico P**. Development and implementation of "Reach for the Stars!" - a patient education. November 2014, Affoltern am Albis, CH
- **Best Physiotherapy Master Thesis Award at the University of Applied Science**  
Marsico, P., Tal-Akabi, A., van Hedel, HJ. What about neurodynamics? Relationship between the straight leg raise, muscle strength and motor performance. November 2013, Winterthur, CH

## Scientific Reviewer for

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- Journal: Research in Developmental Disabilities (RIDDD)
- Journal: Developmental Medicine and Child Neurology (DMCN)
- Journal: Journal of Child Neurology (JCN)
- Journal: BMC Neurology
- Journal: Developmental Neurorehabilitation
- Journal: Physical Theory and Practice