

# CURRICULUM VITAE

Simone Dorsch

## Education

1993 Bachelor of Applied Science (Physiotherapy),  
The University of Sydney

2000 Master of Health Science (Neurological Physiotherapy),  
The University of Sydney

2012 Doctor of Philosophy  
The University of Sydney

## Current Employment:

Bankstown Lidcombe Hospital, December 2002 – present

*Physiotherapist Level 6 Clinical Expert, Stroke Unit*

Australian Catholic University, February 2012 – present

*Lecturer in Neurology*

Stroke education workshops:

Evidence Based Rehabilitation for Lower Limb skills after Stroke, a 2-day workshop taught nationally and internationally

Electrical Stimulation after Stroke, half day and 1-day workshops taught nationally

## Publications

de Sousa DG, Harvey LA, **Dorsch S**, Leung J, Harris W. (2016) Functional electrical stimulation cycling does not improve mobility in people with acquired brain injury and its effects on strength are unclear: a randomised trial. *J Physiother.* 2016 Oct;62(4):203-8.

Hassett L, van den Berg M, Lindley RI, Crotty M, McCluskey A, van der Ploeg HP, Smith ST, Schurr K, Killington M, Bongers B, Howard K, Heritier S, Togher L, Hackett M, Treacy D, **Dorsch S**, Wong S, Scrivener K, Chagpar S, Weber H, Pearson R, Sherrington C. (2016). Effect of affordable technology on physical activity levels and mobility outcomes in rehabilitation: a protocol for the Activity and MObility UsiNg Technology (AMOUNT) rehabilitation trial. *BMJ Open.* 2016 Jun 6;6(6).

**Dorsch S**, Ada L, Canning CG. (2016) Lower Limb Strength Is Significantly Impaired in All Muscle Groups in Ambulatory People With Chronic Stroke: A Cross-Sectional Study. *Arch Phys Med Rehabil.* 2016 Apr;97(4):522-7.

**Dorsch S**, Ada L, Canning CG (2014). EMG-triggered electrical stimulation for very weak upper limb muscles following stroke: a randomised controlled feasibility study. *Clinical Rehabilitation* 28(5); 482-490.

**Dorsch S**, Ada L, Canning CG, Al-Zahrani M, Dean C (2012). The strength of the ankle dorsiflexors has a significant contribution to walking speed in people who can walk independently after stroke: an observational study. *Archives of Physical Medicine and Rehabilitation*. 93(6): 1072-6.

Alzahrani M, Dean C, Ada L, **Dorsch S** and Canning CG (2012). Mood and balance are associated with free-living physical activity of people after stroke residing in the community. *Stroke Research and Treatment* 2012, 470648.

Sherrington C, Pamphlett PI, Jacka JA, Olivetti LM, Nugent JA, Hall JM, **Dorsch S**, Kwan MM, Lord SR (2008). Group exercise can improve mobility among older people in an outpatient rehabilitation setting: a randomised controlled trial. *Clinical Rehabilitation* 22; 493-502.

Ada L, **Dorsch S**, Canning C (2006). Strengthening interventions increase strength and improve activity after stroke: a systematic review. *Australian Journal of Physiotherapy* 52; 241-248.

## **Grants**

Sherrington C, Lindley R, Crotty M et al (Chief investigators). Bongers B, Treacey D, **Dorsch S** et al (Associate investigators). *Affordable technology to improve physical activity levels and mobility outcomes in rehabilitation*. NHMRC 2013 \$1.4m.

Desousa D, Harvey L, **Dorsch S** and Liu J. *Does cycling with electrical stimulation (ES) improve strength and walking ability in stroke survivors? A randomised controlled trial*. National Stroke Foundation 2013, \$11450.

Schurr K, **Dorsch S**, Sherrington C, McCluskey A, Togher L. *Optimising Rehabilitation Outcomes*. Ingham Health Research Institute, Western Zone Research Infrastructure 2008, \$152 500

**Dorsch S**, Ada L, Canning C. *The effectiveness of EMG triggered electrical stimulation in increasing strength and activity in acute, very weak stroke patients*. Physiotherapy Research Foundation 2006, \$4967

**Dorsch S**, Ada L, Canning C. *Does EMG-triggered electrical stimulation improve strength and activity in acute, very weak stroke?* NSW Physiotherapists Registration Board 2006, \$7476