

CURRICULUM VITAE

Karl Schurr, Physiotherapist, *MAppSc. BAppSc.*
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QUALIFICATIONS

1984: Bachelor of Applied Science (Physiotherapy), The University of Sydney.

2000: Master of Applied Science, Physiotherapy (by research), The University of Sydney

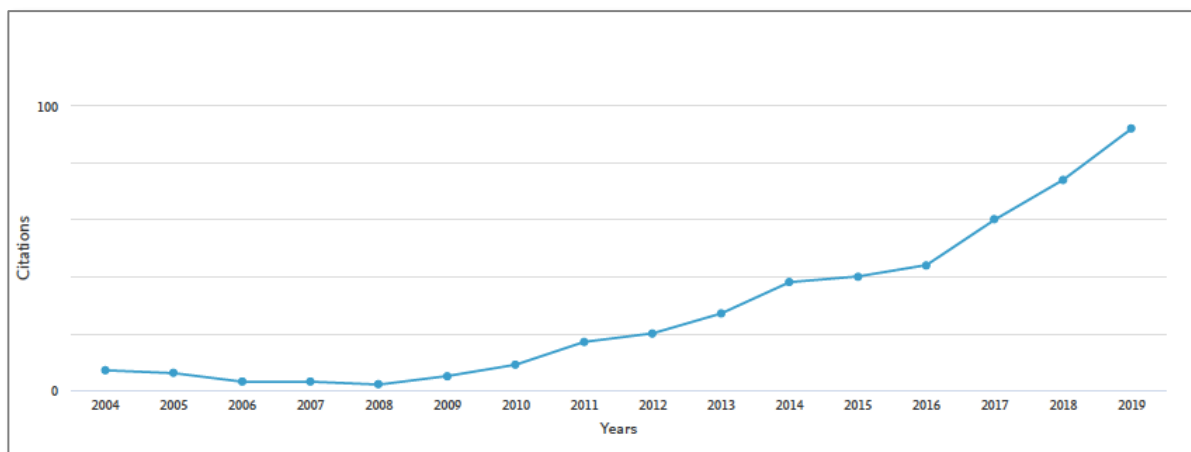


RECENT WORK HISTORY

1992 - present Private physiotherapy consultant and educator; member of the StrokeEd collaboration (www.StrokeEd.com)

1994 - July 2016: Senior physiotherapist (Level 6 clinical regrading, Dec 2008) in neurology, in the stroke unit, Bankstown-Lidcombe Hospital. Rehabilitation in aged care/gerontology including orthopaedics and people with lower limb amputations.

PEER REVIEWED PUBLICATIONS (n=31 articles, h-index = 12)



1. Scrivener K, Dorsch S, McCluskey A, **Schurr K**, Graham P, Cao Z, Shepherd R & Tyson S (2020). Bobath training is inferior to task specific training and not superior to other interventions in improving lower limb activities after stroke: A systematic review with meta-analysis. *J of Physiotherapy*, 66(4), 225-235. <https://doi.org/10.1016/j.jphys.2020.09.008>
2. Hassett L van den Berg M, Lindley R, Crotty M, McCluskey A, van der Ploeg, H, Smith S, **Schurr K**, Howard K, Hackett M, Killington M, Bongers B, Togher L, Treacy D, Dorsch S, Wong S, Scrivener K, Chagpar S, Weber H, Heritier S & Sherrington C. (2020). Digitally-enabled rehabilitation to enhance outcomes: The AMOUNT randomised controlled trial. *PLOS Medicine*, 17(2), e1003029. DOI: 10.1371/journal.pmed.1003029
3. Treacy D, Howard K, Hayes A, Hassett L, **Schurr K** & Sherrington, C. (2018). Two weeks of additional standing balance circuit classes during inpatient rehabilitation are cost saving and effective: An economic evaluation. *Journal of Physiotherapy*, 64 (1), 41–47.
4. Vratsistas-Curto, A, McCluskey, A., & **Schurr K**. (2017). Use of audit, feedback and education increased guideline implementation in a multidisciplinary stroke unit. *BMJ Open Quality*, 6:e000212. doi:10.1136/bmjopen-2017-000212.
5. Treacy, D., Hassett, L., **Schurr, K.**, Chagpar, S., Paul, S.S., & Sherrington, C. (2017). Validity of different activity monitors to count steps in an inpatient rehabilitation setting. *Physical Therapy*, 97 (5), 581-588.
6. Scrivener K, Tourany R, McNamanar-Holmes M, **Schurr K**, Dorsch S, & Dean CM (2017). Feasibility of a nurse-led weekend group exercise program for people after stroke. *Stroke Research and Treatment, Volume 2017*, Article ID 4574385, 7 pages. <https://doi.org/10.1155/2017/4574385>.
7. Harvey LA, Katalinic OM, Herbert RD, Moseley A, Lannin NA **Schurr K** et al (2017). Stretch for the treatment and prevention of contracture: An abridged republication of a Cochrane systematic review. *Journal of Physiotherapy*, 63, 67-75.
8. Harvey LA, Katalinic OM, Herbert RD, Moseley A, Lannin NA **Schurr K** et al (2017). Stretch for the treatment and prevention of contractures. *Cochrane Database of Systematic Reviews*. CD 007455. <http://dx.doi.org/10.1002/14651858.CD007455.pub2>
9. McCluskey A, Lannin NA, **Schurr K**, & Dorsch S. (2017). Chapter 40: Optimising motor performance and sensation following brain impairment. In M Curtin, M Egan & J Adams (Eds.). *Occupational therapy for people experiencing illness, injury or impairment: Promoting occupation and participation* (7th ed., pp 582-609). Edinburgh; Elsevier.
10. Hassett L, van den Berg, M, Lindley R, Crotty M, McCluskey A, van Ploeg H, Smith S, **Schurr K** et al. (2016). Effect of affordable technology on physical activity levels and mobility outcomes in rehabilitation: Protocol for the AMOUNT (Activity and MObility UsiNg Technology) rehabilitation trial. *BMJ Open* (May).
11. Treacy, D., **Schurr, K.**, Lloyd, B., Sherrington, C. (2015). Additional standing balance circuit classes during inpatient rehabilitation improved balance outcomes: An assessor-blinded randomised controlled trial. *Age and Ageing*, 44(4), 580-586.
12. Scrivener, K., Jones, T., **Schurr, K.**, Graham, P.L., Dean, C.M. (2015). After-hours or weekend rehabilitation improves outcomes and increases physical activity but does not affect length of stay: A systematic review. *Journal of Physiotherapy*, 61(2), 61-67.
13. Scrivener, K., **Schurr, K.**, Sherrington, C. (2014). Responsiveness of the ten-metre walk test, Step Test and Motor Assessment Scale in inpatient care after stroke. *BMC Neurology*, 14, 1:129.
14. Treacy, D., **Schurr, K.**, Sherrington, C. (2013). Balance circuit classes to improve balance among rehabilitation inpatients: A protocol for a randomised controlled trial. *BMC Geriatrics*, 13, 1:75.
15. McCluskey, A, Vratsistas, A, & **Schurr K** (2013). Barriers and enablers to implementing multiple stroke guideline recommendations: A qualitative study. *BMC Health Serv Res*. 13:323.

16. Scrivener K, Sherrington C, **Schurr K** (2013). A systematic review of the responsiveness of lower limb physical performance measures in inpatient care after stroke. *BMC Neurology*, 13:4.
17. **Schurr**, K Sherrington C et al (2012). The minimum sit-to-stand height test: Reliability, responsiveness and relationship to leg muscle strength. *Clinical Rehabil*, 26(7), 656-663.
18. Scrivener K, Sherrington C, **Schurr K** (2012) Exercise dose and mobility outcome in a comprehensive stroke unit : Description and prediction from a prospective cohort study. *Journal of Rehabilitation Medicine*, 44(10), 824-829.
19. Scrivener K, Sherrington C, **Schurr K** (2012) Amount of exercise in the first week after stroke predicts walking speed and unassisted walking. *Neurorehab & Neural Repair*, 26(8), 932-938.
20. Scrivener K, Sherrington C, & **Schurr K** (2011). Many participants in inpatient rehabilitation can quantify their exercise dosage accurately: An observational study. *J of Physio*, 57(2), 117-122.
21. King, A., McCluskey, A., & **Schurr**, K. (2011). Observation study of the time use and activity levels of inpatients in a co-located acute and rehabilitation stroke unit. *Topics in Stroke Rehabilitation*, 18(5), 654-665.
22. McCluskey, A., Lannin, N.A., & **Schurr**, K. (2010). Optimising motor performance following brain impairment (Chapter 37). In M.Curtin, M. Molineux & J. Supyk (Eds.). *Occupational therapy and physical dysfunction: Enhancing occupation* (pp 580-606, 6th ed.). Edinburgh: Churchill Livingstone.
23. **Schurr K**, & Ada L (2010) Observation of arm support in healthy elderly people. *European Journal of Physical Medicine and Rehabilitation*, 46, 1, 55-58.
24. Katalinic, O.M., Harvey, L.A., Herbert, R.D., Moseley, A.M., Lannin, N.A., **Schurr**, K. (2008) Stretch interventions for contracture. *Cochrane Database Systematic Reviews*, Issue 4.
25. Olivetti L, **Schurr K**, Sherrington C, Wallbank G Pamphlett P, Kwan M and Herbert R (2007). A novel weight-bearing strengthening program during rehabilitation of older people is feasible and improves standing up more than non-weight bearing strengthening program: A randomised trial. *Australian Journal of Physiotherapy*. 53, 147-153.
26. **Schurr K** & Ada L (2006). Observation of arm behaviour in healthy elderly people: Implications for contracture prevention after stroke. *Australian J of Physiotherapy*. 52, 129-134.
27. Nugent J, **Schurr K** & Adams R (1994). A dose response relationship between amount of weight bearing exercise and walking outcome following cerebrovascular accident. *Archives of Physical Medicine and Rehabilitation*. 75, 399-402.
28. Herbert R, Moore S, Moseley A, **Schurr K** & Wales A. (1993). Making inferences about muscle forces from clinical observations. *Australian Journal of Physiotherapy*. 39, 195-202.
29. Moseley A, Wales A, Herbert R, **Schurr K** & Moore S. (1993). Observation and analysis of hemiplegic gait: Stance phase. *Australian Journal of Physiotherapy*. 39; 259- 267.
30. Moore S, **Schurr K**, Moseley A, Wales A & Herbert R. (1993). Observation and analysis of hemiplegic gait: Swing phase. *Australian Journal of Physiotherapy*. 39, 271-278.

RESEARCH GRANT FUNDING

2014 - 2016	Affordable technology to improve physical activity levels and mobility outcomes in rehabilitation
Funded by	NHMRC Project Grant (\$1,419,755)
Investigators:	Sherrington, , Lindley, Crotty, McCluskey , ven der Ploeg, Smith, Schurr

2008 - 2012	Optimising rehabilitation outcomes	Funded by: Ingham Health Research Institute (\$200,000)
	Investigators: Schurr*, Dorsch*, Sherrington#, McCluskey #, Togher# (* Bankstown-Lidcombe Hospital; # The University of Sydney)	
2009	An observational study of patient activity levels in one Sydney stroke unit	Funded by: The National Stroke Foundation (\$3,000)
	Investigators: King, McCluskey , Schurr	

POST-GRADUATE STUDENTS

<i>Student:</i>	<i>Topic</i>	<i>Supervisors</i>
Treacy D , <u>Graduated 2021</u> PhD, The University of Sydney	Mobility, rehabilitation and measurement	<i>Primary:</i> Sherrington C <i>Associate:</i> Hassett L, Schurr K
Scrivener K <u>Graduated 2013</u> , PhD – The University of Sydney	Physical rehabilitation after stroke: Measurement and prediction of exercise dose and mobility outcomes	<i>Primary:</i> Sherrington C <i>Associate:</i> Schurr K

POST-GRADUATE TEACHING (2011-2022)

Year	Event	Location
2022 17/24 Jan	Online workshop: The coaching workshop: Evidence-based coaching skills for rehabilitation professionals (2 x 4-hrs, with <i>Annie McCluskey</i>)	Online
27 Jan-23 Feb 21/28 Feb & 14 Mar	Online workshop: Evidence-based upper limb rehabilitation after stroke (over 3-6 sessions) with <i>Annie McCluskey, Emma Schneider & Lauren Christie</i>	Online
8 & 22 Mar 5 & 12 Apr 3 & 17 May	Online workshop: Balance / gait retraining (2 sessions x 4-hrs, with <i>Simone Dorsch</i>)	Online
2021 11 & 25 Oct 9 & 18 Aug 18 & 20 Aug 13 & 27 Apr 11 & 25 Mar	Workshop: Balance retraining (2 sessions x 4-hrs or 2-days F2F, with <i>Simone Dorsch</i>)	Online F2F – Orange, NSW F2F – Grafton, NSW
11-13 June 26-28 Feb	Workshop: Lower Limb retraining after stroke (3 days) with <i>Simone Dorsch</i>	Coffs Harbour, NSW Griffity, NSW
1-3 Feb 5-7 Feb 8-10 Mar 11-13 Nov	Workshops: Evidence-based upper limb rehabilitation after stroke (over 3 days) with <i>McCuskey A</i>	Online via Zoom for: • Alfred Health, VIC • NeuroRehab Allied Health Network, VIC • Flinders Medical Centre, Adelaide Face-to-face:

9 Feb			• Braeside Hospital, NSW
20/28 Jan	Workshops: The coaching workshop: Evidence-based coaching skills for rehabilitation professionals (1-day) with McCluskey, A		Online via Zoom &
3/18 Mar			Face-to-face, Hornsby Hospital (Jan 20/28)
16/24 Mar			Face to face, Grafton Hospital
14 May			(14 May)
27 Oct/ 1 & 15 Nov	Online workshop: Analysis & retraining of upper limb function post-stroke: An introduction (12-hrs, with Annie McCluskey, Emma Schneider & Lauren Christie		Online via Zoom
5 May			
21/27 Jan	Online workshop: Upper limb retraining for people who are very weak post-stroke (4-hrs), with Annie McCluskey		Online via Zoom
3/18 Mar			
20 Mar	Online and face-to-face workshop: Analysis and retraining of advanced hand coordination post-stroke (1-day or 2 x 4-hr events, with Annie McCluskey)		
10 Apr			
8 May			via Zoom
2/16 June			
23 Jun	Invited plenary speaker with Dr Annie McCluskey and Prof Sally Bennett: <i>Surviving COVID-19: The lived experience (when patient and carer are therapists),</i>		Occupational Therapy Australia 29 th National Virtual Conference, 23-25 June
2020	-----		
9 Nov	Invited presentation (online): Rehabilitation after serious COVID-19: Physiotherapist as patient (15 mins) with A McCluskey		World Stroke Organisation – European Stroke Organisation Virtual Conference
15 Oct	Invited presentation (online): Recovering from COVID-19, presentation to allied health staff (1-hr, with Annie McCluskey)		Allied health department, Fiona Stanley Hospital, Perth, WA
Jan Feb	Workshop: Evidence-based upper limb rehabilitation after stroke (over 3 days) with A McCluskey		Toowoomba QLD Dubbo, NSW Hobart, TAS Launceston, TAS
3 Mar	Workshop: Coaching skills (1-day) with A McCluskey, K Scrivener & S Dorsch		N Sydney, NSW
2019	Lecture/webinar: Biomechanics of the trunk		
Feb May June	----- Workshops in 2019: Evidence-Based <u>Lower</u> Limb Rehabilitation after Stroke (3 days) or Balance Retraining (2 days) with S Dorsch		New Zealand Kuala Lumpur, MALAYSIA Bournemouth, UK London UK Brighton, QLD Caulfield, VIC Townsville, QLD Gold Coast QLD Bournemouth, UK London, UK Sutherland, NSW Braeside, NSW Perth, WA Wellington, NEW ZEALAND Tauranga, NEW ZEALAND Lidcombe, NSW
Feb Mar May June Aug Sept Oct Nov Dec	Evidence-based <u>upper</u> limb rehabilitation after stroke (3 days) with A McCluskey		

19 Mar	Invited Lecture: Biomechanics of the trunk	APA, SYDNEY, NSW
12 Mar	Invited Lecture: Retraining balance	Concentric Rehab, Sydney
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2018		
May	Workshops in 2018: Evidence-Based <u>Lower</u> Limb	Gold Coast, QLD
June	Rehabilitation after Stroke (3 days) <i>with S Dorsch</i>	Sunshine Coast, QLD
Sept		Glostrup & Skive, DENMARK
1-3 Feb	Evidence-based <u>upper</u> limb rehabilitation after stroke (3	Brighton, QLD
15-17 Feb	days) <i>with A McCluskey</i>	Melbourne, VIC
1-3 Mar		Sydney, NSW
23-25 Mar		Nowra, NSW
26-28 Mar		Kuala Lumpur, MALAYSIA
12-14 Apr		Kota Kinabalu, MALAYSIA
26-28 Jul		Auckland, NEW ZEALAND
1 Aug-2 Sep		Pyongyang, DPRK (N Korea)
10-12 Sep		London, ENGLAND, UK
20-22 Sep		Glostrup & Skive, DENMARK
19-21 Oct		Brighton (APA), VIC
26-28 Oct		Thomastown, VIC
8-10 Nov		Luoyang & Kaifeng, CHINA
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2017		
Sept 2017	Block teaching in 2017: Upper limb and lower limb	Luoyang, CHINA (2 wks, 11-22
	retraining – lectures and clinical sessions at two	Sept)
	hospitals in China through Experts-in-China Club	Kaifeng, CHINA (1 wk, 25-29 Sept)
2-4 Feb		
9-11 Feb	Workshops in 2017: Evidence-Based <u>Upper</u> Limb	Glostrup, & Brønderslev, DENMARK
24-26 Mar	Rehabilitation after Stroke (3 days) <i>with A McCluskey</i>	Gold Coast, Qld
30 Mar-1 Apr		Brighton QLD
1-3 June		Sydney, NSW x 4
12-14 June		Singapore PGAHI, SINGAPORE
14-16 July		Perth WA
2-4 Aug		Ballina NSW
25-27 Aug		Wangaratta, VIC
		Caulfield, VIC
30 Jan-1 Feb	Evidence-Based <u>Lower</u> Limb Rehabilitation after Stroke	Doha, QATAR
6-8 Feb	(over 3 days) <i>with S Dorsch</i>	Glostrup, & Brønderslev, DENMARK
28-30 Apr		Brighton QLD
17-19 Aug		Bankstown Hospital, NSW
3-5 Nov		
27-28 Feb	Balance retraining workshop (2 days)	Svenborg, DENMARK
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2016		
12-14 Feb	Workshops in 2016: Evidence-Based <u>Upper</u> Limb	Brisbane, Qld x 2
16-18 Apr	Rehabilitation after Stroke (over 3 days) <i>with A</i>	Sydney, NSW x 4
2-4 June	<i>McCluskey</i>	Melbourne, VIC
11-13 Aug		Gosford, NSW
2-4 Nov		
24-26 Nov		
3-5 Dec		
9-10 Dec		
27-28 Feb	Evidence-Based <u>Lower</u> Limb Rehabilitation after Stroke	Ryde Hospital, NSW
20-22 May	(over 3 days) <i>with S Dorsch</i>	Gold Coast Univ Hosp, QLD
24-26 June		Bankstown Hospital, NSW
18-20 Nov		Newcastle, NSW

2015

5-7 Feb
 19-21 Feb
 27-29 Mar
 16-18 Apr
 29-31 May
 5-7 June
 24-25 Sep
 22-24 Oct
 5-7 Nov
 10-12 Dec

Workshops in 2015: Evidence-Based Upper Limb Rehabilitation after Stroke (over 3 days) *with A McCluskey*

Logan, QLD
 Wangarratta, VIC
 Melbourne, VIC
 Sydney, NSW x 3
 Dorchester, UK
 London, UK
 Brighton, Qld
 Delhi, **INDIA**
 Cairns, QLD

27-28 Oct

Poster: Increasing compliance with Australian stroke guideline recommendations using an audit and feedback cycle (Vratsistas-Curto A, Schurr K, McCluskey A)

2015 NHMRC Research Translation Symposium, **Sydney**, NSW 27-28 Oct

2014

24 Nov;
 5th/12th Dec

Invited half-day masterclass: Upper limb motor and sensory rehabilitation post-stroke: Implications of research evidence for clinical practice (with A McCluskey)

Hammell NeuroCenter, Nr Aarhus, **DENMARK**

Evening lecture: Translating stroke rehabilitation evidence into practice (with A McCluskey)

Torshavn, **FAROE ISLANDS, DENMARK**

21/22 Feb
 10/11 Apr
 22/23 May
 30/31 May
 23-25 Jun
 7/8 Aug
 25/26 Sept
 7/8 Nov
 26-28 Nov
 18-20 Dec

Workshops in 2014: Evidence-Based Upper Limb Rehabilitation (over 2 or 3 days) *with K Schurr*

Gold Coast, QLD
 Sydney, NSW
 Ballina, NSW
 Melbourne, VIC
 Canberra, ACT
 Santiago, **CHILE**
 Sydney, NSW
 Caloundra, QLD
 Ringe, **DENMARK**
 Faroe Islands, **DENMARK**

APPOINTMENTS

<i>Year</i>	<i>Description</i>
2019-2020	Physiotherapy Working Party member , NHMRC/National Stroke Foundation Clinical Practice 'Living' Guidelines

MEDIA

13 & 20 Oct 2020: SBS Dateline (TV): Deadly trip of a lifetime

<https://www.sbs.com.au/news/dateline/tvepisode/deadly-trip-of-a-lifetime-part-1>

<https://www.sbs.com.au/ondemand/ar/video/1808765507663/deadly-trip-of-a-lifetime-part-2>

8 July 2020: ABC 7.30 Report (TV): Doctors are beginning to understand the long-term implications of coronavirus. <https://www.youtube.com/watch?v=SAUPEVNbs-s>

9 July 2020: ABC Radio National Life Matters: Why you shouldn't be complacent about catching coronavirus <https://www.abc.net.au/radionational/programs/lifematters/why-we-shouldnt-be-complacent-about-catching-coronavirus/12430946>