



AHA, INC. BIBLIOGRAPHY AND REFERENCE LIST

PEERED REVIEWED HIPPO THERAPY RESEARCH ARTICLES

This section includes articles that use scientific research and inquiry methods that include more than one research participant. Although some articles use the term “therapeutic riding”, “riding therapy”, “horse therapy”, or “equine assisted therapy” in their title or text, the description of the actual methods is consistent with current AHA, Inc. definition of hippotherapy and are therefore included in this category. Many of these are older articles or were conducted in countries where terminology differs slightly from current AHA, Inc. definitions.

Ajzenman HF, Standeven JW, Shurtleff TL. Effects of hippotherapy on motor control, adaptive behaviors, and participation in children with autism spectrum disorder: A pilot study. *Am J Occup Ther.* 2013; 67(6): 653-63.

Benda W, McGibbon NH, Grant KL. Improvements in muscle symmetry in children with cerebral palsy after equine-assisted therapy (hippotherapy). *The Journal of Alternative and Complementary Medicine.* 2003; 9(6): 817-825.

Bronson C, Brewerton K, Ong J, Palanca C, Sullivan SJ. Does hippotherapy improve balance in persons with multiple sclerosis: a systematic review. *European Journal of Physical and Rehabilitation Medicine.* 2010; 46: 347-353.

Casady RL, Nichols-Larsen DS. The effect of hippotherapy on ten children with cerebral palsy. *Pediatric Physical Therapy.* 2004; 16(3):165-172.

Champagne D, Dugas C. Improving gross motor function and postural control with hippotherapy in children with Down syndrome: case reports. *Physiotherapy Theory and Practice.* 2010; 8: 564-571.

Chang HJ, Kwon JY, Lee JY, Kim YH. The effects of hippotherapy on the motor function of children with spastic bilateral cerebral palsy. *J Phys Ther Sci.* 2012; 24(12): 1277-80.

DeBuse D, Gibb C, Chandler C. Effects of hippotherapy on people with cerebral palsy from a users' perspective: a qualitative study. *Physiotherapy Theory and Practice.* 2009; 25(30): 174-192.

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de Araujo TB, de Oliveira RJ, Martins WR, de Moura Pereira M, Copetti F, Safons MP. Effects of hippotherapy on mobility, strength and balance in elderly. *Arch Gerontol Geriatr.* 2013; 56(3): 478-81.

DeBuse D, Chandler C, Gibb C. An exploration of German and British physiotherapists views on the effects of hippotherapy and their measurement. *Physiotherapy Theory and Practice.* 2005; 21(4): 219-242.

Dewar R, Love S, Johnston LM. Exercise interventions improve postural control in children with cerebral palsy: A systematic review. *Dev Med Child Neurol.* 2014. doi: 10.1111/dmcn.12660. [Epub ahead of print]

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Encheff JL, Armstrong C, Masterson M, Fox C, Gribble P. Hippotherapy effects on trunk, pelvic, and hip motion during ambulation in children with neurological impairments. *Pediatr Phys Ther.* 2012; 24(3): 251.

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Gottwald A, Biewald N. New aspects in the treatment of Scheuermann's disease with hippotherapy. *Z Orthop Ihre Grenzgeb*. 1981; 119(4): 351-5. German.

Frank A, McCloskey S, Dole RL. Effect of hippotherapy on perceived self-competence and participation in a child with cerebral palsy. *Pediatric Physical Therapy*. 2011; 23(3): 301-308.

Granados AC, Agis IF. Why children with special needs feel better with hippotherapy sessions: a conceptual review. *The Journal of Alternative and Complementary Medicine*. 2011; 17: 191-197.

Haehl, V., Giuliani, C., Lewis, C. The influence of hippotherapy on the kinematics and functional performance of two children with cerebral palsy. *Pediatric Physical Therapy*. 1999; 11: 89-101.

Hammer A, Nilsagard Y, Forsberg A, Pepa H, Skargren E, Oberg B. Evaluation of therapeutic riding (Sweden) / hippotherapy (USA). A single-subject experimental design study replicated in eleven patients with multiple sclerosis. *Physiotherapy Theory and Practice*. 2005; 21(1): 51-77.

Hamill D, Washington K, White OR. The Effect of Hippotherapy on Postural Control in Sitting for Children with Cerebral Palsy. *Physical & Occupational Therapy in Pediatrics*. 2007; 27(4): 23-42.

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Janura M, Peham C, Dvorakova C, Elfmark M. An assessment of pressure distribution exerted by a rider on the back of a horse during hippotherapy. *Human Movement Science*. 2009; 28: 387-393.

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Kwon JY, Chang HJ, Yi SH, Lee JY, Shin HY, Kim YH. Effect of hippotherapy on gross motor function in children with cerebral palsy: A randomized controlled trial. *J Altern Complement Med*. 2015; 21(1): 15-21.

Lechner HE, Kakebeeke TH, Hegermann D, Baumberger M. The effect of hippotherapy on spasticity and on mental well-being of persons with spinal cord injury. *Archives of Physical Medicine and Rehabilitation*. 2007; 88: 1241- 1248.

Lee CW, Seong GK, Yong MS. Effects of hippotherapy on recovery of gait and balance ability in patients with stroke. *J Phys Ther Sci*. 2014; 26(2): 309-11.

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PEER REVIEWED CASE STUDIES

This section includes articles that are single case studies (i.e. one participant). These articles are more difficult to generalize to large populations, but still provide useful information and were conducted in a scientific manner.

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Frank A, McCloskey S, Dole RL. Effect of hippotherapy on perceived self-competence and participation in a child with cerebral palsy. *Pediatric Physical Therapy*. 2001; 23 (3): 301-308.

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Rollandelli, PS and Dunst CJ. Influences of Hippotherapy on the Motor and Social-Emotional Behavior of Young Children with Disabilities. Bridges. Practice-Based Research Syntheses. Research and Training Center on Early Childhood Development. Puckett Institute. 2003; 2(1): 1-14.

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ARTICLES/ BOOK CHAPTERS

These studies or articles were published in non peer reviewed magazines or as chapters of a book which collected early clinical observations.

- Baker E. A comparison of change in flexible kyphosis pre- and post-hippotherapy-a research approach. In: Engel B. *Therapeutic Riding II Strategies for Rehabilitation*. Durango CO: Barbara Engel Therapy Services. 1997; 283-286.
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- Gewartz R. The use of sensory integration in EAT: an OT perspective. *Occup Ther Now (Ottawa)* Jan/Feb 2003; 5(1): 8-10.
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