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PHYSICAL THERAPY

Published Chapters (peer-reviewed):

Yates C. Pediatric measurement of joint motion and muscle length testing. 2018. In: Reese NB, Bandy WD. Joint Range of Motion and Muscle Length Testing. 3rd Edition. Philadelphia, Saunders/Elsevier. P.489-528.

Yates C, Garcia-Rill E. Descending Projections of the Reticular Activating System. 2015. In : Waking and the Reticular Activating System in Health and Disease. Academic Press. Published by Academic Press, PP. 330, ISBN 9780128013854.

Garcia-Rill E, Garrison K, **Yates, C.** Palliative strategies for spinal cord injury. 2012. In: Spinal Cord Injuries: Causes, Risk Factors and Management. Martin A, Jones J, Ed., Nova Publishers. P. 185-202.

Yates C, Garrison K. Translational research on spinal cord injury. 2012. In: Translational Neuroscience: Reinventing Basic and Clinical Research. Jeffries, J. Ed., Wiley-Blackwell, Malden, MA. P. 97-108.

Yates C, Garrison K, Reese NB, Charlesworth A, Garcia-Rill E. 2011. Novel mechanism for hyper-reflexia and spasticity. In: Progress in Brain Research. Vol. 188, Dubuc, Kolta, Gossard, Ed., P. 167-180. PMID: PMC3031992

Yates C. 2010. Pediatric measurement of joint motion and muscle length testing. In: Reese NB, Bandy WD. Joint Range of Motion and Muscle Length Testing. 2nd Edition. Philadelphia, Saunders/Elsevier. P 429-466.

Garcia-Rill E, Wallace-Huitt T, Mennemeier M, Charlesworth A, Heister D, Ye M, **Yates C.** 2009. Neuropharmacology of sleep and wakefulness, In: Sleep Medicine Essentials. TL Lee-Chiong. P 15-23.

Garcia-Rill E, Wallace- Huitt T, Mennemeier M, Charlesworth A, Heister D, Ye M, **Yates C.** 2009. Neuropharmacology of pediatric and adult sleep and wakefulness, In: The Wiley Guide to Sleep Medicine: A Concise Reference and Review, TL Lee-Chiong, Ed., Wiley, New Jersey.

Published Articles (peer-reviewed):

Lowe L, Flowers M, Fletcher J, **Yates C.** The Effects of Experiential Learning on Perceived Clinical Reasoning and Self-Efficacy of DPT Students. *Journal of Physical Therapy Education*. 2022. In Press.

Lowe L, Castillo F, Williams DK, Gokun Y, Isreal M, **Yates C.** Static and Dynamic Balance Assessment in Healthy and Concussed Adolescent Athletes. *Clinical Journal of Sports Medicine*. 2021. Oct; 1-6.

Lowe L, Bass-Carrigan D, **Yates C.** Commentary on "Current Physical Therapy Practice for Children with Cerebral Palsy in Norway." *Pediatric Physical Therapy*. 2021; 33(1):46.

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Odom BH, Lowe L, VanHoose L, **Yates C**. Examining Factors that Contribute to Delayed Wound Healing in Children with Tracheostomy Wounds. *Advances in Skin & Wound Care*. 2020.Mar; 33(3); 1-4. PMID: 32032107 <https://pubmed.ncbi.nlm.nih.gov/32032107/>

Flowers M, Yates C, Fletcher J, Lowe L. Does dosing of pediatric experiential learning impact the development of clinical reasoning, self-efficacy, and critical thinking in doctor of physical therapy students? *Journal of Allied Health*. 2020; 49(3):190-196. PMID: 32877476 <https://pubmed.ncbi.nlm.nih.gov/32877476/>

Odom BH, VanHoose L, Lowe L, **Yates C**. Retrospective Cohort Study of Pediatric Tracheostomy Wound Healing. *Advances in Skin & Wound Care*. 2020. Jan;33(1):36-42. PMID: 31663923 <https://pubmed.ncbi.nlm.nih.gov/31663923/>

Lowe L, Williams DK, Gokun Y, **Yates C**. Spatiotemporal parameters of adolescent gait while performing a visuospatial memory task. *International Journal of Sports Physical Therapy*. 2019. Sept; 14(5):753-760. PMID: 31598413 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6769276/>

Odom B, Lowe L, **Yates C**. Post Peripheral Intravenous Infiltration and Extravasation Injury Methodology: a retrospective study. *Journal of Infusion Nursing*. July/August 2018, 41(4):247-252. PMID: 29958261

Mossman H, Lowe L, Bandy W, **Yates C**. Low Back Injuries in Women's Gymnastics: An Exploration into the Role of the Physical Therapist. *Journal of Physical Therapy Student Research*. 2018. 9 (4), 1-9.

Huett E, Bartley W, Reasbeck CD, McKittrick-Bandy B, **Yates C**. Collagenase for wound debridement in the neonatal intensive care unit: A retrospective case series. *Pediatric Dermatology*. 2017. May;34(3):277-281. doi: 10.1111/pde.13118. PubMed PMID: 28523889; PubMed Central PMCID: PMC5439294.

Mitchell A, Hall RW, Golianu B, **Yates C**, Williams DK, Chang J, Anand KJS. Does Non-Invasive Stimulation of Acupuncture Points Relieve Heelstick Pain in Neonates? *Acta Paediatrica*. 2016. Dec; 105 (12):1434-1439. PMID: 27607517 PMCID: PMC5118154 DOI: 10.1111/apa.13581.

Hendrickson H, Mitchell A, **Yates C**, Hall RW. Systemic absorption of cyclopentolate and adverse events after Retinopathy of Prematurity exams. *Current Eye Research*. 2016. Dec; 41(12):1601-1607. PMID: 27159349 DOI:10.3109/02713683.2015.1136419 PMCID # 5209797.

Lowe L, Garza N, McMillan AG, **Yates C**. Treadmill Training With Partial Body Weight Support In Ambulatory Children With Developmental Delay. *Pediatric Physical Therapy*. 2015: Winter:27(4), 386-394. PMID: 26397083. PMC: PMC4580974.

Yates C, Mitchell A, Booth M, Lowe L, Williams DK, Hall RW. Effects of massage therapy to induce sleep in preterm infants. *Pediatric Physical Therapy*. 2014; 26 (4), 405-410. PMC: PMC4176770. DOI: 10.1097

Mitchell A, **Yates C**, Williams DK, Chang J, Hall RW. Effects of Daily Kangaroo Care on Cardiorespiratory Parameters in Preterm Infants *Journal of Neonatal- Perinatal Medicine*. 2013; 6 (3), 243-249.

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PMID:24246597, PMC: PMC4148008. DOI:10.3233/NPM-1370513.

Yates C, Mitchell A, Lowe L, Lee A, Hall RW. Safety of Noninvasive Electrical Stimulation of Acupuncture Points (NESAP) during a routine neonatal heel stick. *Medical Acupuncture*. 2013; 25(4):285-290. PMC: 3746213. DOI: 10.1089/acu.2012.0952.

Mitchell A, **Yates C**, Williams DK, Chang J, Hall RW. Does daily kangaroo care provide sustained pain and stress relief in preterm infants? *Journal of Neonatal- Perinatal Medicine*. 2013; (6):45-52. PMID: 24246458, PMC: PMC4122210. DOI:10.3233/NPM-1364212.

Mitchell A, Chang J, **Yates C**, Hall RW. Challenges, guidelines, and systematic review of salivary cortisol research in preterm infants. *E- journal of Neonatology Research*. 2012; 2(1): 44-51.

Garrison MK, **Yates C**, Skinner RD, Reese NB, Garcia-Rill E. Wind-up of stretch reflexes as a measure of spasticity in chronic spinalized rats: the effects of passive exercise and modafinil. *Experimental Neurology*. 2011; Jan; 227(1): 104-109. PMID: 20932828

Yates C, Garrison MK, Charlesworth A, Reese NB, Garcia-Rill E. Therapeutic approaches for spinal cord injury induced spasticity. *Translational Neuroscience*. 2010; June; 1(2): 160-169. DOI 10.2478/v10134-010-0021-z

Liu H, Skinner RD, Arfaj A, **Yates C**, Reese NB, Garcia-Rill E. L-dopa effect on frequency-dependent depression of the H-reflex in adult rats with complete spinal cord transection. *Brain Research Bull*. 2010. Jul 15. PMID: 20637842, PMC:3416918

Yates C, Charlesworth A, Reese NB, Skinner RD, Garcia-Rill E. Modafinil normalizes hyperreflexia after spinal transection in adult rats. *Spinal Cord*. 2009;47,481-485. PMCID:2726738, PMC: 3019091

Yates C, Charlesworth A, Reese NB, Skinner RD, Garcia-Rill E. The effects of passive exercise therapy initiated prior to or after the development of hyperreflexia following spinal transection. *Experimental Neurology*. 2008; October; 213(2):405-9. PMID: 18671970, PMC: 2689156

Yates C, Charlesworth A, Allen SR, Reese NB, Skinner RD, Garcia-Rill E. The onset of hyperreflexia in the rat following complete spinal cord transection. *Spinal Cord*. 2008; 46:798-803. PMID: 18542097, PMC: 3327293

Yates C, Bandy W, Basier RD. Case Report: Traumatic dislocation of the hip in a high school football player. *Physical Therapy*. 2008; June; 88(6):780-8. PMID: 18372403, PMC: 2409980

Heister D, Hayar A, Charlesworth A, **Yates C**, Zhou YH, Garcia-Rill E. Evidence for electrical coupling in the SubCoeruleus(SubC) nucleus. *J of Neurophysiology*. 2007; Apr; 97(4): 3142-7. PMID: 17215497, PMC: 2366042

Reese NB, Skinner RD, Mitchell C, **Yates C**, Barnes CN, Kiser TS, Garcia-Rill E. Restoration of frequency-

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dependent depression of the H-reflex by passive exercise in spinal rats. *Spinal Cord*. 2005; 1-7. PMID: 16044168, PMC:

Kiser TS, Reese NB, Maresh T, Yates C, Skinner RD, Pait TG, Garcia-Rill E. Use of a motorized bicycle exercise trainer to normalize frequency-dependent habituation of the H-reflex in spinal cord injury. *J Spinal Cord Med*. 2005; 28: 241-245. PMID: 16048142

Booth M, Yates C, Edgar T, Bandy W. Serial casting vs. combined intervention with Botulinum Toxin A and serial casting in the treatment of spastic equinus in children. *Pediatric Physical Therapy*. 2003;15; 216-220. PMID:17057457

Scientific/Professional Platform Presentations:

International/National:

“Experiential Learning in Pediatrics: How to, How much, What if, Why?” American Physical Therapy Association Combined Sections Meeting; San Antonio, TX; February, 2022. (Lowe L, Yates C, Flowers M)

“Retrospective Cohort Study of Pediatric Tracheostomy Wound Healing.” American Physical Therapy Association Combined Sections Meeting; Denver, CO; February, 2020. (Odom BH, Lowe L, Vanhooose L, Yates C.)

“Measuring Symptoms and Behavior: Methodological Challenges Across the Lifespan.” Southern Nursing Research Society (SNRS), Addison, Tx; February, 2017. (Mitchell A, Hall RW, Yates C.) Abstract: Southern Nursing Research Society, February, 2017.

“Neonatal Electrical Stimulation of Acupuncture Points: Can Alternative Therapy Relieve Heel Stick Pain in Neonates? American Physical Therapy Association Combined Sections Meeting; Anaheim, CA; February, 2016. (Yates C, Mitchell A, Hall RW.) **Abstract:** *Pediatric Physical Therapy*, Spring 2016;28(1):E1-7.

“Systemic absorption of Cyclomydril eye drops during eye exams for Retinopathy of Prematurity”. Southern Nursing Research Society (SNRS), Williamsburg, VA; February, 2016. (Mitchell A, Hall RW, Yates C.) **Abstract:** Southern Nursing Research Society, February, 2016.

“Neonatal Electrical Stimulation of Acupuncture Points: Can alternative therapy relieve heelstick pain in neonates? Pediatric Academic Society; San Diego, CA; April, 2015. (Hall RW, Mitchell A, Yates C.) **Abstract:** Pediatric Academic Society. April, 2015.

“Benefits of kangaroo care in preterm infants for pain, stress, and cardiorespiratory parameters.” American Physical Therapy Association Combined Sections Meeting; San Diego, CA; January, 2013. (Yates C, Mitchell A, Hall RW.) **Abstract:** *Pediatric Physical Therapy*, Spring 2013;25(1):89.

“Helping Babies Breathe” a part of the global initiative of the American Academy of Pediatrics; Zambia,

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Africa; April, 2012. (Hall RW, Mitchell A, **Yates C.**)

“Modulation of Hyper-reflexia in Spinal Cord Injury (SCI) using passive exercise.” American Physical Therapy Association Combined Section Meeting; Nashville, TN; February, 2008. (**Yates C**, Reese NB, Skinner R, Garcia-Rill E.)

“Hip Dislocation in the high school athlete: A Case Study.” American Physical Therapy Association Combined Section Meeting; San Diego, CA; February, 2006. (**Yates C**, Bandy W, Blasier D.)

“Spasticity Management for the Therapist.” American Academy of Cerebral Palsy and Developmental Medicine meeting; New Orleans, LA; September, 2002. (**Yates C**)

“Pathophysiology of Spasticity and Current Treatment Options.” Spasticity Management Course; Phoenix Children’s Hospital; Phoenix, AZ; January, 2001. (**Yates C**)

“Spasticity Management for the Pediatric Patient: A Case Study Reflection On Management For A Child With Spastic Diplegic Cerebral Palsy.” American Physical Therapy Association Combined Section Meeting; San Antonio, Texas; February, 2001. (**Yates C**, Booth M.)

“Introduction to Spasticity Management for the Therapist.” American Academy of Cerebral Palsy and Developmental Medicine Meeting; Long Beach, CA; September 2001. (**Yates C**)

Regional/State:

“Retrospective Cohort Study of Pediatric Tracheostomy Wound Healing.” Optimize (annual conference of Arkansas Chapter of the APTA); North Little Rock, October, 2019. (Odom BH, Lowe L, Vanhoose L, Yates C.)

“Pediatric Experiential Learning: An exploration of outcomes in a DPT program.” Optimize (annual conference of Arkansas Chapter of the APTA); North Little Rock, October, 2019. (Flowers M, Yates C, Fletcher J, Lowe L.)

“Tracheostomy wound healing in the pediatric population: A retrospective study.” Optimize (annual conference of Arkansas Chapter of the APTA), Little Rock, September 29, 2018.

“Current evidence and effective practices in pediatric pain management.” ACCE Central Consortium’s Clinical Instructor Education Forum. University of Central Arkansas Physical Therapy Department, Conway, AR; March, 2018.

“Outcome measures for infant pain and stress.” University of Central Arkansas Physical Therapy Department Research Seminar, Conway, AR; February, 2017. (**Yates C**, Mitchell A, Hall RW.)

“Assessment and Interventions for infant pain and stress.” Optimize Conference of the Arkansas Physical Therapy Association, Little Rock, AR; September, 2016. (**Yates C**, Mitchell A, Hall RW.)

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“The Effect of Kangaroo Care on Cardiorespiratory Parameters in Preterm Infants.” Southeast Institute Development Award (IDeA) platform presentation; New Orleans, LA; October, 2011. **(Yates C, Mitchell A, Hall RW.)**

“Kangaroo Care: What do mothers tell us?” Southern Nursing Research Society Meeting; Jacksonville, FL; February, 2011. (Mitchell A, Hall RW, **Yates C.**)

“Elimination of hyper-reflexia in SCI with modafinil.” Southeast IDeA Regional Meeting; Charleston, SC; November, 2009. **(Yates C, Garrison K, Garcia-Rill E.)**

“Palliative Strategies for Spinal Cord Injury.” University of Central Arkansas Research Forum; Conway, AR; January, 2006. **(Yates C, Reese NB, Skinner R, Garcia-Rill E.)**

“Purpose of Physical Therapy.” Arkansas Children’s Hospital Neurology Meeting, Neurodevelopmental Disorders: Current Concepts and Therapy for ADD, Autism, CP and Epilepsy; Little Rock, AR; February, 2002. **(Yates C.)**

“Role of the Physical Therapist in Spasticity Management.” Spasticity Management: Focus on Rehabilitation; Norfolk, VA; September 2002. **(Yates C.)**

“Team Approach to Spasticity Management.” Spasticity Management: Focus on Rehabilitation; Green Bay, WI; October 2002. **(Yates C.)**

“Integration of Spasticity Management.” Arkansas Children’s Hospital Grand Rounds; Little Rock, AR; July, 2001. **(Yates C.)**

“Pediatric Traumatic Brain Injury.” Bridging the Gap: From the Hospital to the Community – A Medical Forum; Arkansas Children’s Hospital; Little Rock, AR; October, 2001. **(Yates C.)**

“Neuropathies and Myopathies.” Bridging the Gap: From the Hospital to the Community – A Medical Forum; Arkansas Children’s Hospital; Little Rock, AR; October, 2001. **(Yates C.)**

“Pediatric Spasticity Management.” Pediatric Spasticity Course: The Children’s Center; Oklahoma City, OK; November, 2001. **(Yates C.)**

“Spasticity Management.” Arkansas Children’s Hospital Regional Outreach Clinic Forum; Springdale, AR; May, 2000. **(Yates C.)**

“We Move.” Arkansas Children’s Hospital Grand Rounds; Little Rock, AR; July, 1999. **(Yates C, Booth M)**

“Introduction to NMES as an Adjunct to Therapy.” Arkansas Occupational Therapy Association Fall Conference; Conway, AR; November, 1999. **(Yates C, Hunter-Doolittle F.)**

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“Role of the Physical therapist in Spasticity Management.” Spasticity Management Course; Arkansas Children’s Hospital; Little Rock, AR; Fall 1998. **(Yates C.)**

“Overview of Physical Therapy”; Arkansas Children's Hospital Rehabilitation Grand Rounds; Little Rock, AR; 1998. **(Yates C.)**

Scientific/Professional Peer-Reviewed Poster Presentations:

Lowe, L, Cichy H, Gage C, Kaelin E, Stout M, Wilson C, Yates, C. Experiential learning in physical therapy doctoral education. American Physical Therapy Association Tri-State Conference, Memphis, TN, October, 2021.

Yates C, Aviles H, Cole Z, Jaime K, Futrell T, Miller M, Wise J, Lowe L. Spatiotemporal parameters of gait when performing a visuospatial memory task in adolescents with concussion. American Physical Therapy Association Tri-State Conference, Memphis, TN, October, 2021.

Lowe L, Castillo F, Hill K, Sawyer M, Fletcher T, **Yates C.** Spatiotemporal Parameters of Adolescent Gait While Performing A Visuospatial Memory Task. American Physical Therapy Association Combined Sections Meeting; Denver, CO; February, 2020.

Flowers M, **Yates C,** Fletcher J, Lowe L. Pediatric Experiential Learning Dosing Impact on DPT Students' Self-Efficacy, Clinical Reasoning, and Critical Thinking. American Physical Therapy Association Combined Sections Meeting; Denver, CO; February, 2020.

Lowe L, Castillo F, **Yates C.** Exploration of Two Clinical Postural Control Assessments in Adolescents with Concussion. American Physical Therapy Association Combined Sections Meeting; Denver, CO; February, 2020.

Yates C, Hart L, Carter M, Lowe L. Frequency of ImPACT testing for the high school athlete. American Physical Therapy Association Combined Section Meeting; Washington DC; January, 2019.

Abstract: **Journal of Neurologic Physical Therapy.** 43(1):69-81, January 2019.

Flowers M, Yates C, Lowe L. The Effect of Pediatric Experiential Learning on the Self-Efficacy of DPT Students. Poster presentation accepted CSM of American Physical Therapy Association. Washington DC, January, 2019.

Odom B, Lowe L, Vanhoose L, **Yates C.** Tracheostomy wound healing in the pediatric population: A retrospective study. Poster presentation accepted CSM of American Physical Therapy Association. Washington DC, January, 2019.

Lowe L, Beck B, Ripley S, Wade L, **Yates C.** Exploration of two clinical postural control assessments in adolescents with concussion. Optimize (annual conference of Arkansas Chapter of the APTA), September 29, 2018.

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Yates C, Ferguson S, Kapella K, Lowe L. Auditory Reaction Time Using the Psychomotor Vigilance Task in Male High School Athletes. American Physical Therapy Association Combined Section Meeting; New Orleans, LA; February, 2018.

Abstract: **Journal of Neurologic Physical Therapy**. 42(1):44-56, January 2018.

Lowe L, Crowder M, Watson T, **Yates C**. The effect of a divided attention task on gait velocity in high school male athletes. American Physical Therapy Association Combined Section Meeting; New Orleans, LA; February, 2018.

Abstract: [J Neurol Phys Ther](#). 2018 Jan;42(1):44-56. doi: 10.1097/NPT.000000000000206

Odom BH, Lowe L, **Yates C**. Post Peripheral Intravenous Infiltration and Extravasation Injury Methodology: a retrospective study. American Physical Therapy Association Combined Section Meeting; New Orleans, LA; February, 2018.

Flowers M, Stamp B, **Yates C**, Lowe L. Body Structure and Function, Activity, and Participation Outcomes Following an Adaptive Bike Riding Program for an Adolescent Girl with Down Syndrome. American Physical Therapy Association Combined Section Meeting; New Orleans, LA; February, 2018.

Abstract: **Pediatric Physical Therapy**. 30(1):E 23-24, January 2018.

Flowers M, **Yates C**, Lowe L. Effects of 1-Week Pediatric Experiential Learning Course on the Clinical Thinking and Clinical Reasoning Skills of Physical Therapy Students. American Physical Therapy Association Combined Section Meeting; New Orleans, LA; February, 2018.

Lowe L, Crowder M, Spencer J, **Yates C**. The effect of a divided attention task on gait velocity in high school male athletes. Optimize Arkansas Physical Therapy Association Annual Conference; Fayetteville, AR; October, 2017.

Flowers M, Stamps B, Lowe L, **Yates C**. Body Structure and Function, Activity, and Participation Outcomes Following an Adaptive Bike Riding Program for an Adolescent Girl with Down Syndrome. Optimize Arkansas Physical Therapy Association Annual Conference; Fayetteville, AR; October, 2017.

C Yates, Luyet E, Guinn T, Hart L, Lowe L. The effect of a divided attention task on double and single limb support parameters of gait in high school male athletes. Optimize Arkansas Physical Therapy Association Annual Conference; Fayetteville, AR; October, 2017.

Huett E, Bartley W, Reasbeck CD, McKittrick-Bandy B, **Yates C**. Collagenase for wound debridement in the neonatal intensive care unit: A retrospective case series. American Physical Therapy Association Combined Section Meeting; San Antonio, TX; February, 2017. Abstract: **Pediatric Physical Therapy**.

Odom B, **Yates C**. Post Peripheral Intravenous Infiltration and Extravasation Injury Methodology: a retrospective study. Optimize Arkansas Physical Therapy Association Annual Conference; Little Rock, AR; October, 2016.

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Yates C, Mitchell A, Hood C, Glendenning J, Hall RW, Carroll J. Does Infant Positioning Influence Cardiorespiratory Parameters in Preterm Infants? American Physical Therapy Association Combined Section Meeting; Anaheim, CA; February, 2016. Abstract: *Pediatric Physical Therapy*.

Huitt E, Mitchell A, Leonard E, Hall RW, **Yates C**. Comparison of outcome measures for assessment of acute pain for term infants. American Physical Therapy Association Combined Section Meeting; Anaheim, CA; February, 2016. Abstract: *Pediatric Physical Therapy*.

Mitchell A, Henrickson, H, **Yates C**, Hall RW. Elevated cyclopentolate levels and adverse events after screening exams for Retinopathy of Prematurity. Southern Nursing Research Society; Williamsburg, VA; February, 2016. Abstract: Southern Nursing Research Society, 2016.

Mitchell A, Henrickson, H, **Yates C**, Hall RW. Blood cyclopentolate levels and adverse events after Retinopathy of Prematurity Eye Exams (ROPEE). Pediatric Academic Society; San Diego, CA; May, 2015. Abstract: Pediatric Academic Society, 2015.

Everson R, Nelson M, Blair B, McKittrick-Bandy B, **Yates C**. Effect of a lower body positive pressure support treadmill training program on lower extremity strength, gait kinematics, endurance, and balance in an ambulatory child with spastic cerebral palsy. American Physical Therapy Association Combined Sections Meeting; Indianapolis, IN; February 2015.

Lowe L, Garza N, McMillan A, **Yates C**. Treadmill Training With Partial Body Weight Support In Ambulatory Children With Developmental Delay. American Physical Therapy Association Combined Sections Meeting; Indianapolis, IN; February 2015. **Abstract:** *Pediatric Physical Therapy*, Spring 2015. Spring; 27 (1): E9-E59. doi: 10.1097/PEP.0000000000000124

Yates C, Mitchell A, Huett E, Hall RW. Outcome measures for assessment of acute pain for term infants. Piecing Together the Pain Puzzle: The Biopsychosocial Model, APTA Research Retreat; Smithfield, RI; August, 2015.

Lowe L, Ferguson J, **Yates C**. Treadmill Training With Partial Body Weight Support In Ambulatory Children With Developmental Delay: A Pilot Study. American Physical Therapy Association Combined Sections Meeting; Las Vegas, NV; February 2014. **Abstract:** *Pediatric Physical Therapy*, Spring 2014;26(1):133-134.

Booth M, Lowe L, Shephard S, Hall RW, **Yates C**. Can massage therapy be used to induce sleep in preterm infants? American Physical Therapy Association Combined Sections Meeting; Las Vegas, NV; February 2014. **Abstract:** *Pediatric Physical Therapy*, Spring 2014;26(1):108-109.

Yates C, Mitchell A, Lowe L, Hall RW. Safety of Noninvasive Electrical Stimulation of Acupuncture Points (NESAP) during a routine heel stick. American Physical Therapy Association Combined Sections Meeting; Las Vegas, NV; February 2014. **Abstract:** *Pediatric Physical Therapy*, Spring 2014;26(1):162-163.

Purkiss M, McKittrick-Bandy B, **Yates C**. Functional Progression in a Child with Traumatic Brain Injury (TBI)

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After Initiation of early mobility in the pediatric intensive care unit (PICU): A Case Report. American Physical Therapy Association Combined Sections Meeting; Las Vegas, NV; February 2014.

Yates C, Mitchell A, Lowe L, DK Williams, Hall RW. Safety of Noninvasive Electrical Stimulation of Acupuncture Points (NESAP) during a routine neonatal heel stick. Southeast Institute Development Award (IDeA) Regional Meeting; Little Rock, AR; November, 2013.

Lowe L, Mitchell A, Hall RW, **Yates C**. Transcutaneous Electrical Nerve Stimulation (TENS) in neonatal swine: A safety study to assess skin integrity and cardiorespiratory parameters. American Physical Therapy Association Combined Sections Meeting; San Diego, CA; January, 2013.

Abstract: *Pediatric Physical Therapy*, Spring 2013;25(1):113-114.

Mitchell A, **Yates C**, Webb M, Womack J, Lowe, L, Hall RW. The effects of kangaroo care on preterm infants. American Physical Therapy Association Combined Section Meeting; Chicago, IL; February, 2012.

Abstract: *Pediatric Physical Therapy*, Spring 2012;24(1):114.

Mitchell A, **Yates C**, Williams KD, Hall RW. Does kangaroo care reduce salivary cortisol levels in preterm infants? Pediatric Academic Society Meeting; Boston, MA; May, 2012.

Hall RW, **Yates C**, Mitchell A, Williams DK. Safety and pain response in preterm neonates receiving kangaroo care. Pediatric Academic Society Meeting; Boston, MA; May, 2012.

Mitchell A, **Yates C**, Hall RW. Kangaroo care: What do mothers tell us? Southern Nursing Research Society Meeting; Jacksonville, FL, February, 2011.

Garrison K, **Yates C**, Garcia-Rill E. Different mechanisms for hyperreflexia and spasticity after spinal cord injury (SCI). Neurosci Abst, 917.06, Washington, DC, November, 2011.

Mitchell A, **Yates C**, Hall RW. The effect of kangaroo care on cardiorespiratory parameters in preterm Infants. Physician Academic Society Meeting; Denver, CO; May, 2011.

Yates C, Garrison MK, Burba-Horgan A, Franz J. Outcome measures for exploring the mechanisms of hyper-reflexia and spasticity that develop post SCI in the rat and the effects of passive exercise intervention on each outcome measure. American Physical Therapy Association Combined Section Meeting; New Orleans, LA; February, 2011.

Garrison MK, **Yates C**, Charlesworth A, Burba-Horgan A, Sexton B. Regional Cx-36 changes following complete SCI and interventions in the rat. American Physical Therapy Association Combined Section Meeting; New Orleans, LA; February, 2011.

Yates C, Mori S, Reese NB, Skinner RD, Garcia-Rill E. Post-tetanic potentiation (PTP) of the H-reflex in spinal cord transected rats. American Physical Therapy Association Combined Section Meeting; San Diego, CA; February, 2010.

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Yates C, Garrison K, Charlesworth A, Reese NB, Garcia-Rill E. Elimination of hyper-reflexia in spinal cord injury with modafinil. Southeast IDeA (Institutional Development Awards) Regional Meeting hosted by the South Carolina INBRE (IDeA Networks of Biomedical Research Excellence); Charleston, SC; November, 2009.

Arfaj A, Skinner RD, **Yates C**, Garrison K, Reese NB, Garcia-Rill E. Reversal of H-reflex hyperactivity by L-dopa and exercise in alert, chronically spinalized rats. Neurosci Abst 542.11; Chicago, IL; October, 2009.

Garcia-Rill E, **Yates C**, Garrison K, Charlesworth A, Reese NB. Elimination by modafinil of hyperreflexia induced by spinal cord injury (SCI). Breath, Walk, and Chew: The Neural Challenge; Montreal, Canada; May, 2009.

Yates C, Charlesworth A, Reese NB, Ishida K, Skinner RD, Garcia-Rill E. Two treatments for hyperreflexia after spinal cord transection in the rat. American Physical Therapy Association Combined Section Meeting; Las Vegas, NV; February, 2009.

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Yates C. Spasticity management for the pediatric patient: A case study reflection on management for a child with spastic diplegic Cerebral Palsy. American Physical Therapy Association Combined Section Meeting; San Antonio, Texas; February, 2001.

Extramural Funding:

Flowers M, Stamp B, **Yates C**. Feasibility of Implementing a Pediatric Quarterly Physical Therapy Clinical Outcome Measure Data Collection Program in Arkansas: a Pilot Feasibility Study. Rehabilitation Net. \$25,000.

Yates C (PI), Lowe L (Co-I) 5/01/18-4/30/19. NIGMS IDeA Program grant P30 GM110702 through the Center for Translational Neuroscience at UAMS. Assessment for concussion management in the high school athlete. \$50,000.

Yates C (PI), Lowe L (Co-I), Aitken M (Co-I) 5/01/17-4/30/18. NIGMS IDeA Program grant P30 GM110702 through the Center for Translational Neuroscience at UAMS. Comprehensive dynamic movement assessment for concussion management in the high school athlete. \$50,000.

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Yates C (PI), Lowe L (Co-I), Aitken M (Co-I) 5/01/16-4/30/17. NIGMS IDeA Program grant P30 GM110702 through the Center for Translational Neuroscience at UAMS. Comprehensive dynamic movement assessment for concussion management. \$50,000.

Preliminary Study for RO1

Mitchell A (PI), Hendrickson H (Co-I), Hall RW (Co-I), **Yates C (Co-I)**, Dept of Physical Therapy. 10/2014-2015. A retrospective chart review of the relationship between blood cyclopentolate levels and adverse events in preterm infants.

Garcia-Rill E (PI). Center for Translational Neuroscience (COBRE) NIH, NCRR grant P20RR20146. Dr. Whit Hall. **Yates C** (Co-Investigator), Mitchell A (Co-Investigator). Does Non-Invasive Stimulation of Acupuncture Points Relieve Heelstick Pain in Neonates? UCA total from 5/01/13-4/30/14 \$34,926.

Garcia-Rill E (PI). Center for Translational Neuroscience (COBRE) NIH, NCRR grant P20RR20146. Dr. Whit Hall. **Yates C** (Co-Investigator), Mitchell A (Co-Investigator). The effects of kangaroo care on preterm infants. UCA total from 5/01/12-4/30/13 \$32,160.

Garcia-Rill E (PI). Center for Translational Neuroscience (COBRE) NIH, NCRR grant P20RR20146. Dr. Whit Hall. **Yates C** (Co-Investigator), Mitchell A (Co-Investigator). The effects of kangaroo care on preterm infants. UCA total from 5/01/11-4/30/12 \$28,917

Garcia-Rill E (PI). Center for Translational Neuroscience (COBRE) NIH, NCRR grant P20RR20146. Dr. Whit Hall. **Yates C** (Co-Investigator), Mitchell A (Co-Investigator) and **Yates (PI)** for spinal cord injury project. UCA total 5/1/10-4/30/11 \$23,386

Garcia-Rill E (PI). Center for Translational Neuroscience (COBRE) NIH, NCRR grant P20RR20146. Dr. Whit Hall. **Yates C** (Co-Investigator), Mitchell A (Co-Investigator). The effects of kangaroo care on preterm infants. UCA total from 5/01/09-4/30/10; UCA Total \$15,660.

Reese NB (PI), **Yates C** (Co-Investigator). NIH R-15 Grant. 9/30/2008-9/29/2010. Novel Treatment for Hyperreflexia Following Spinal Cord Injury; \$194,014.

Yates C. NIH Centers of Biomedical Research Excellence (COBRE) Grant. 2005. Center for Translational Neuroscience at University of Arkansas for Medical Sciences; \$27,606.

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HONORS AND AWARDS

- Dorothy E. Baethke-Eleanor J. Carlin Award for Excellence in Academic Teaching, American Physical Therapy Association; 2021
- National Recognition as Pediatric Educational Exemplar Program- University of Central Arkansas Pediatric Program; 2020
- University of Central Arkansas Research, Scholarship and Creative Activity Award; 2017
- Arkansas Physical Therapy Association (ArPTA) Outstanding Physical Therapist Award; 2016
- Finalist for the Teaching Excellence Award, University of Central Arkansas; 2012
- Society for Neuroscience chapter travel award to the National SFN meeting; 2006.
- Society for Neuroscience Arkansas chapter award; 2006.
- State Judging Director USA gymnastics- Nettie award 2001 & 2002
- Arkansas Children's Hospital Employee Award of Excellence; 2001