

Pediatric Practice Resources

Below you can find some of the most recent, up-to-date evidence-based practice literature in the field of pediatrics as well as useful links to helpful pediatric resources!

Articles with free, full-text access:

Parham, L. Diane, Clark, Gloria Frolek, Watling, Renee, & Schaaf, Roseann. (2019).

Occupational therapy interventions for children and youth with challenges in sensory integration and sensory processing: A clinic-based practice case example. *American Journal of Occupational Therapy*. 73(1), 7301395010p1-7301395010p9.

- This case study demonstrates the effective use of Ayres Sensory Integration for a 6 year old child experiencing difficulty completing functional tasks and meeting the functional demands of his daily life at home and school. The child improved participation and endurance with table-top tasks, vestibular processing and play, and safety awareness. Parents were highly involved and educated throughout intervention process.

Grajo, L. C., Candler, C., & Sarafian, A. (2020). Interventions within the scope of occupational therapy to improve children's academic participation: A systematic review. *American Journal of Occupational Therapy*, 74(2). doi: 10.5014/ajot.2020.039016

- This systematic review provides results relating to intervention for improvement in children's academic performance. Weighted vests and stability balls yielded low strength results, while yoga indicates promising (moderate to high) strength for improved academic performance. Strong evidence also indicates the use of therapeutic practice for handwriting interventions. These systematic reviews, however, did not only focus on occupational therapy interventions; other disciplines were included as well.

Tomchek, Scott, Koenig, Kristie Patten, Arbesman, Marian, & Lieberman, Deborah. (2017).

Occupational therapy interventions for adolescents with autism spectrum disorder. *AJOT: American Journal of Occupational Therapy*. 71(1), 7101395010p1-7101395010p3.

- This case study provides various intervention strategies for adolescents with ASD. Strong results occurred with the use of video modeling, social groups, and technology visuals for increased independence in ADLs and IADLs.

Tanner, K., Hand, B. N., O'Toole, G., & Lane, A. E. (2015). Effectiveness of Interventions to Improve Social Participation, Play, Leisure, and Restricted and Repetitive Behaviors in People With Autism Spectrum Disorder: A Systematic Review. *American Journal of Occupational Therapy*. 69(5), p1-p12.

<https://doi.org/cuhs1.creighton.edu/10.5014/ajot.2015.017806>

- This systematic review examined articles of levels I, II, III, IV, and V evidence with interventions completed by solely occupational therapists with regard to clients with ASD. The study found strong evidence for the use of mobile and/or tablet technologies for vocational skills training. IADL/ADL training interventions yielded mixed results. Yoga and brief exercise may aid with school readiness and classroom performance. No studies related to sleep were identified and utilized.

Pineda, R., Reynolds, L., Seefeldt, K., Hilton, C., Rogers, C., & Inder, T. (2016). Head lag in infancy: What is it telling us? *AJOT: American Journal of Occupational Therapy*, 70(1), 7001220010p1-8.

- This study provides investigated the implications and possible long term effects of head lag in preterm infants. The results indicate that head lag was associated with a longer length of stay in the NICU and longer endotracheal intubation. Head lag relates to early neurobehavior as well, and possible cerebral injury or other alterations. This supports early therapeutic intervention in the NICU.

Caramia, S., Gill, A., Ohl, A., & Schelly, D. (2020). Fine motor activities in elementary school children: A replication study. *American Journal of Occupational Therapy*, 74(2). doi: 10.5014/ajot.2020.035014

- Students in kindergarten, second, and fourth grade classrooms were observed across 6 days to assess motor and technology requirements in the general education classrooms. Students spend 1/3-2/3 of their days performing fine motor activities, some of which includes handwriting. However, focus on handwriting has drastically diminished and more time is spent on manipulative tasks.

Key Terms to Search

Below you can find some key terms related to pediatrics and potential interventions that can be utilized while performing a search for evidence-based practice literature in the field of pediatrics.

Neurologic rehabilitation
child/childhood/pediatric
Infant
Toddler
adolescent
Sensory processing
Sensory integration
Cerebral palsy (CP)
Down syndrome
Autism Spectrum Disorder (ASD)
NICU/neonatal intensive care unit
Development / developmental
Modified constraint-induced movement therapy (mCIMT)
Feeding/eating
SOS feeding
Repetitive behaviors
Play
Fine motor
Occupational therapy (OT)
Occupational intervention
Mental Health
Traumatic brain injury (TBI)/mild TBI

Web Resources

These resources are great for OTs, students on fieldwork, and for practitioners to pass on to caregivers.

Tools To Grow: Free Resources for intervention ideas, parent handouts, SPD, ADL, Fine Motor, Visual Motor, Visual Perception, Bilateral Coordination, feeding, and more!

<https://www.toolstogrowot.com/free-therapy-resources/sort/date-new>

CDC Milestones Checklist

https://www.cdc.gov/ncbddd/actearly/pdf/checklists/all_checklists.pdf

CDC Pediatric mTBI Guidelines

<https://www.cdc.gov/traumaticbraininjury/PediatricmTBIGuideline.html>

AOTA Children & Youth Webpage: lots of links to varying areas of pediatric practice with varying resources

<https://www.aota.org/Practice/Children-Youth.aspx>

AOTA Webpage for EI <https://www.aota.org/Practice/Children-Youth/Early-Intervention/Resources.aspx>

Nebraska Telehealth

<https://nota.memberclicks.net/assets/docs/policyadvocacy/Nebraska%20Medicaid%20Updates%20on%20COVID.pdf>

Steps to Integrating OT into Primary Care

<https://www.aota.org/Publications-News/otp/Archive/2018/Occupational-Therapy-Primary-Care.aspx>

Therapy Resources for Parents and Professionals

<https://www.therapyops.com/occupational-therapy-resources>

Shirley Ryan Ability Lab Pediatric Rehab

<https://www.sralab.org/conditions/pediatric-innovation-rehabilitation>