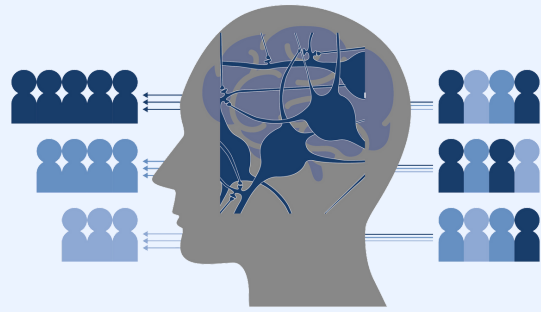


ARNETT LAB

Newsletter



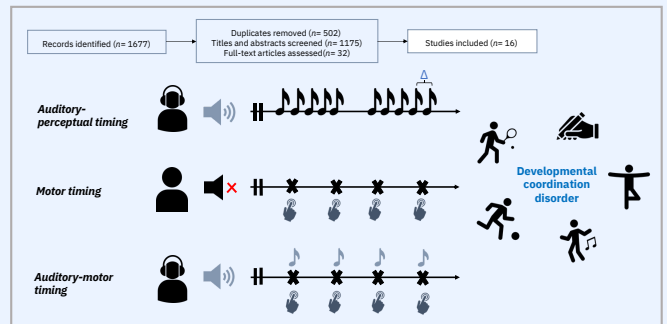
Boston Children's Hospital
Laboratories of Cognitive Neuroscience



RESEARCH FINDINGS

Developmental coordination disorder (DCD) is characterized by difficulties in motor planning, coordination, and learning. Despite being one of the most common neurodevelopmental disorders (NDDs), it remains largely underdiagnosed and masked by other co-occurring conditions, including ADHD. Emerging research suggests that auditory-perceptual differences might contribute to motor difficulties in children with NDDs. In a systematic review published in *Brain Sciences* (<https://www.mdpi.com/2076-3425/13/5/729>), graduate student Marija Pranjic synthesized the existing literature concerning the link between auditory-perceptual timing and motor difficulties in DCD. She reports that compared to their typically developing peers, children with DCD exhibit greater variability when coordinating movements both with and without external auditory cues.

Clinical Implications: This review suggests that auditory-perceptual training is a plausible therapeutic intervention for children with motor coordination challenges.



MEET THE TEAM

Carissa Mastrangelo joined the lab in the spring of 2022 as a student intern. She will graduate from Northeastern University in May 2024 with a B.S in psychology and a minor in computer science. She is interested in ADHD symptom variability in children and plans to pursue a graduate degree in clinical psychology. In her free time, Carissa likes to exercise, sing, and play word search games.



CURRENTLY RECRUITING

-RHINO-Mites Study is currently seeking:

- 2.5-4 year old children with or without a family member who has ADHD

-BAT Study is now recruiting DMC patients!

- 7-11-year-old patients with ADHD who would benefit from stimulant medications
- Exclusionary criteria include: autism, intellectual disability, seizures

BRAVE RHINO Study is currently seeking:

- 7-11-year-old children with anxiety or with anxiety + ADHD
- Healthy Controls

CONTACT INFORMATION

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