

## **Striking the Right Balance – Attention all Vestibular and Pediatric Audiologists: This is Your Next Must Read!**

Published August 31st, 2020

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*In this edition of “Striking the Right Balance,” Janine Verge, AuD reviews a new edition of a clinical textbook that focuses on pediatric vestibular and balance disorders.*

*Michael Vekasi, AuD, R.Aud, Aud(C), FAAA and Erica Zaia, MSc, RAUD are coordinating the “Striking the Right Balance,” feature which will cover the latest information on ‘all things vestibular.’*

*If you would like to be more involved in all things vestibular, please sign-up for the Vestibular Special Interest Group. Sign-up by simply emailing*

*[CAAvestibular@gmail.com](mailto:CAAvestibular@gmail.com) to let us know you want to be a part. Also, check out our Facebook page for a free list of online vestibular resources at the CAA National Vestibular Special Interest Group page.*

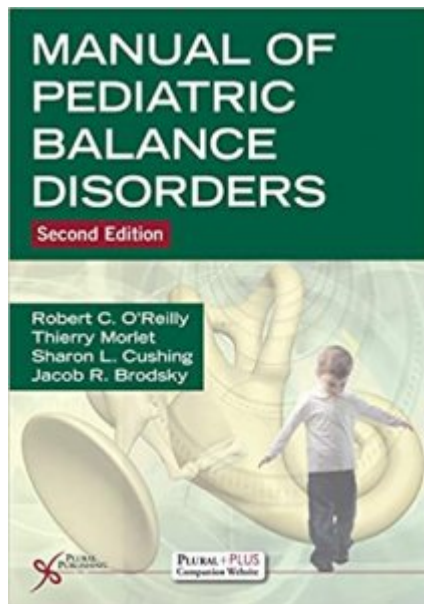
**We’ve Got a Problem.** Up to 70% of children presenting with sensorineural hearing loss (SNHL) have impairment of their vestibular system with 20–40% having severe bilateral vestibular loss.<sup>1-4</sup> Central and peripheral vestibular impairments can lead to poor balance, increased fall risk, delays in motor development, decreased reading acuity, learning delays, gaze instability, and symptoms of dizziness or vertigo.<sup>5</sup> Despite this, many children go undiagnosed and untreated because children don’t usually complain about their symptoms, vocabulary to describe feelings or sense of vertigo is limited, and family may think symptoms are related to clumsiness, being uncoordinated, or having a behavioural abnormality.

### **What’s the Fix?**

All pediatric and vestibular audiologists in Canada need to learn more about our role in identifying,

screening, monitoring, assessing, and managing pediatric vestibular and balance disorders.

## The Good News



The second edition of the *Manual of Pediatric Balance Disorders* by Robert C. O'Reilly, Thierry Morlet, Jacob R. Brodsky, and Sharon L. Cushing has recently been published. It is an *essential read* to help us understand our role with contributors from 45 experts across many different disciplines including otolaryngology, audiology, neurology, and physical therapy.

As someone who has a dog-eared first edition, I was excited to see five new chapters in the new second edition including:

Chapter Seven: Video Head Impulse Testing (vHIT)

Chapter Twelve: New Horizons for the Evaluation of Functional Balance, Self-Motion Perception, Navigation, and Mobility

Chapter Thirteen: Genetics and Metabolism in Pediatric Vestibular Disorders

Chapter Fifteen: Benign Paroxysmal Positional Vertigo (BPPV)

Chapter Twenty-Four: Vertigo, Dizziness, and Mental Health

There have also been updates throughout including testing set-up and norms for VEMP testing, fully rewritten chapters on migraine and concussion, and updated references throughout.

Instructors, students, and clinicians are given extra supportive materials to understand the content through self-assessment questions and access to a PluralPlus companion website with excellent videos and figures. This is an improvement from the first edition which used a CD for these materials.

## Small Investment for a Big Payoff

We all need to do our part to help identify and manage underdiagnosed vestibular and balance

disorders in pediatric patients. To help, I would highly recommend investing in the second edition of the *Manual of Pediatric Balance Disorders* to all pediatric and vestibular audiologists.

## References

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4. Buchman CA, Joy J, Hodges A, Telischi FF, Balkany TJ. Vestibular effects of cochlear implantation. *Laryngoscope* 2004;114:1–22.
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