

Living Guideline for Pediatric Concussion Care

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PedsConcussion
— LIVING GUIDELINE FOR —
PEDIATRIC CONCUSSION CARE

CHEO

RESEARCH INSTITUTE
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Funded by the Ontario Ministry of Health



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Institut de recherche
sur le cerveau

Brain and Mind
Research Institute



What is the Living Guideline for Pediatric Concussion Care?

- Evidence-based online resource for clinicians, patients, policy makers, coaches, teachers, and families
- **76+** Clinical Recommendations
- Community handouts and Patient Information Sheets
- Clinical tools for diagnosing and managing pediatric concussion
- **Resources are updated every 6 months as new evidence evolves**



How are the guideline recommendations and tools updated?

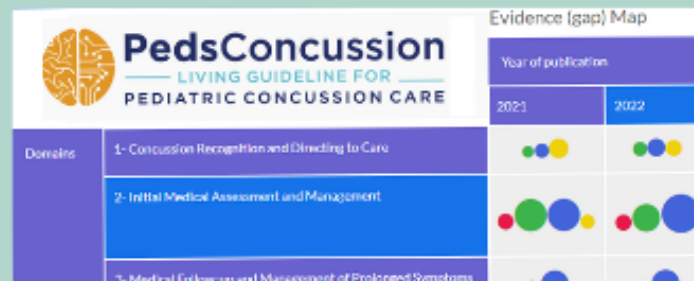
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EVIDENCE SYNTHESIS

- Scoping reviews performed monthly and compiled
- Quality assessment and assessment of bias conducted



MAPPING THE EVIDENCE



2

3

EXPERT PANEL CONSULTATION AND VOTING



- Over 90% Quorum reached for each update
- 97-100% Consensus reached for all updates related to return to activity, sport, and school

COMMUNITY CONSULTATION ON RETURN TO ACTIVITY, SPORT, AND SCHOOL TOOLS

- Coaches
- Teachers
- Youth
- Clinicians
- Caregivers/Families



4

5

INCOPORATION OF FEEDBACK AND FINAL REVIEW OF UPDATES

- 9 Minor updates
- 10 Major updates



Section A: Pediatric Concussion Recognition, Initial Medical Assessment, Management

www.pedsconcussion.com



Concussion
Recognition and
Directing to Care



Initial Medical
Assessment and
Management



Medical Follow-Up



Medical Clearance
for Full-Contact
Sports or High-Risk
Activity



Sport Concussion
Considerations



Return-to-School
and Work



Telemedicine and
Virtual Pediatric
Concussion Care

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Section B: Managing Concussion Symptoms



Headache



Sleep



Mental Health and
Psychosocial Factors



Cognition



Vision, Vestibular,
and Oculomotor
Function



Fatigue

Section C: Biomarkers



Biomarkers-
Neuroimaging



Biomarkers-
Serologic

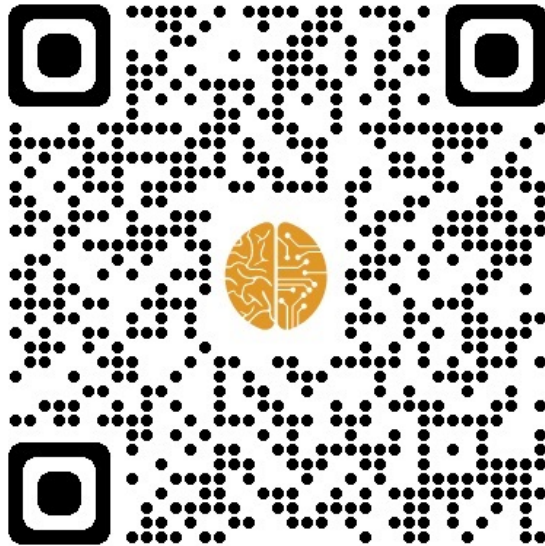




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