DEVELOPMENT AND IMPLEMENTATION OF A CLINICAL PRACTICE GUIDELINE FOR THE REHABILITATION OF ADULTS WITH MODERATE TO SEVERE TRAUMATIC BRAIN INJURY IN QUÉBEC AND ONTARIO


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INESSS AND ONF PARTNERING TO SUPPORT CLINICAL PRACTICE

The development of the CPG follows six main steps, based on the ADAPTE methodology. Additional focus is placed on the formal evaluation of the end-users’ needs and expectations as well as on a structured implementation process.

STEP BY STEP PROCESS

1. REVIEW AND EVALUATION OF EXISTING CPGS

OBJECTIVE: To identify all existing clinical guidelines or related tools in the literature pertaining to the rehabilitation of adults having sustained a moderate to severe traumatic brain injury

More for details: See poster 829

2. VALIDATION OF THE END-USER’S NEEDS AND EXPECTATIONS

OBJECTIVE: To conduct a formal (FluidSurvey) consultation of the targeted end-users of the CPG concerning their needs and expectations with regard to the scope, content and implementation of the CPG

3. SYNTHESIS OF ALL EXISTING DOCUMENTATION AND EVIDENCE

OBJECTIVE: To develop a comprehensive matrix integrating, by domains pertaining to TBI, all available information (existing recommendations, other supporting evidence, end-users’ needs and expectations) in order to support the panel of experts in the process of adapting or formulating recommendations

4. CONSSENSUS PROCESS AMONGST EXPERTS

OBJECTIVE: To prepare and hold a two-day consensus meeting with experts (clinicians and researchers), key stakeholders, consumers, representatives and professional associations covering all domains and perspectives relating to TBI, in order to determine, on the basis of the evidence synthesis matrix provided in advance, the:

• Existing recommendations to retain
• Existing recommendations to retain but needing some adaptation
• New recommendations to be formulated (based on existing evidence or expert consensus)
• Key recommendations to prioritize, and their potential indicators

5. ADAPTATION OF THE RECOMMENDATIONS AND PRODUCTION OF THE GUIDELINES

OBJECTIVE: To finalize the formulation, prioritize and associate, where possible, process and result indicators to the recommendations developed during the consensus meeting using a web-based interactive platform (Alfresco)

6. IMPLEMENTATION OF THE CPG IN CLINICAL SETTINGS

OBJECTIVE: To pilot and guide, in collaboration with key stakeholders, a systematic mobilization and implementation process throughout acute care and rehabilitation facilities in Québec and Ontario

CHALLENGING OPPORTUNITIES AND PERSPECTIVES

The ongoing initiative and forthcoming clinical practice guidelines present unique challenges and opportunities:

• A bi-provincial, bilingual partnership, promoting links and exchanges between clinicians and managers in Ontario and Québec, facilitating the sharing of knowledge, tools and practices
• A tight alignment with clinicians and administrators from the onset of the project, increasing the complexity of the process but also the potential of successful uptake of the CPG
• An innovative consultation phase to explore and validate end-users’ needs and expectations, helping to guide the development of the CPG as well as the implementation process
• A systematic implementation process across a large number of acute care and rehabilitation facilities in two provinces
• A specific emphasis on progress and results indicators to accompany practice recommendations, which will enable support and monitoring of uptake across the networks

SPECIAL THANKS to our partners in this project, the Association des établissements de réadaptation en déficience physique du Québec (AERDPQ), the Association québécoise établissements de santé et de services sociaux (AQESSS), the Québec Ministère de la Santé et des Services sociaux (MSSS), the Toronto Rehabilitative Care Alliance (RCRA) and the Ontario Ministry of Health and Long-Term Care (MOHLTC).

Catalyzing Clinical, Research and Policy-Makers’ Perspectives and Expertise

The project is structured and planned to ensure a close and continuous collaboration with all stakeholders concerned by the development and utilization of the CPG in Québec and Ontario.

All stages of the production and implementation of the CPG is overseen by the ONF and INESSS with the support of a governing committee, while the development of the CPG content is under the responsibility of a scientific committee of researchers and clinicians from the two provinces.

Institute national d’excellence en santé et en services sociaux (INESSS), in Québec, Canada, and the Ontario Neurotrauma Foundation (ONF), in Ontario, Canada, are partnering to jointly produce and support the implementation of a clinical practice guideline (CPG) for the rehabilitation of adults having sustained a moderate to severe traumatic brain injury (MSTBI).

This guide, which should be available in 2015, will provide recommendations, adapted to the Canadian context, for front-line clinicians, program coordinators and managers working in rehabilitation settings, and also for those providing early rehabilitation within acute care facilities.

ADAPTED CONTENT AND SCOPE

The project guidelines will:

• Apply to adults with moderate to severe traumatic brain injury (TBI)
• Cover all areas affected following a TBI — physical, sensory, cognitive, behavioural, medical and nursing components
• Address related conditions commonly encountered after TBI, such as severe behaviour disorders as well as mental health and addiction issues
• Be based on the best and most up-to-date evidence and other guidance available in the literature
• Use expert consensus where evidence-based data is limited, notably for issues of intensity and duration of treatment
• Focus on the rehabilitation phases following TBI, including subacute early rehabilitation, intensive functional rehabilitation and rehabilitation toward social integration
• Formulate recommendations from an interdisciplinary viewpoint rather than a profession-specific perspective
• Provide progress, outcome and performance indicators to support the implementation and sustaining process
• Feature practical tools aimed at clinicians (e.g., forms and rating scales, algorithms) along with some information material (e.g., brochures) for patients and their family and friends
• Be available in both English and French

Project Organizational Structure

GOVERNING COMMITTEE

Mandate:Overall guidance and decision making regarding context, process, requirements and considerations for CPG development – link to key stakeholders – needs survey – implementation – overseeing project supervision

Co-leads: C. Truchon and C. Kagan

Scientific Committee

Mandate:Development of the CPG based on evidence and clinical expertise – literature appraisal – expert consensus process – adaptation of CPG – external review process

Scientific co-directors: Dr. Mark Bayley and Dr. Bonnie Swaine

Core Working Group

Clinical and research expertise from Ontario and Québec, along with representation from the ONF and INESSS

Advisory Working Group

Clinical and program experts from Ontario and Québec

Research assistants

Consensus panel of experts

Clinicians – Researchers – Program and facility managers – Consumer representatives – Other stakeholders

Evidence Synthesis Matrix

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<thead>
<tr>
<th>Evidence</th>
<th>CPG</th>
<th>Strength of Recommendation</th>
<th>Grade of Evidence</th>
</tr>
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<tbody>
<tr>
<td>A</td>
<td>Very strong</td>
<td>Strong</td>
<td>High</td>
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<tr>
<td>B</td>
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<td>C</td>
<td>Weak</td>
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CONCLUSION

The development of the CPG follows six main steps, based on the ADAPTE methodology. Additional focus is placed on the formal evaluation of the end-users’ needs and expectations as well as on a structured implementation process.

Further input from panel experts

Refinement

Agreement

External review

Guidelines release

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