CAOT · ACE
Canadian Association of Occupational Therapists
Association canadienne des ergothérapeutes

Easy Choice: Practice Bundle

Cognition

This webinar bundle includes the following 5 On-Demand Practice Evidence Webinars:

The use of computer-based cognitive training to improve everyday function: What is the evidence?

Presented by Patricia Belchior on October 23, 2018

In recent years, there has been a widespread promotion on the use of computer/video games to improve cognitive skills in older adults with and without cognitive impairment, with new "brain training" or "brain games" growing every day. The claim that such games can improve various aspects of someone's life, including the potential to delay cognitive decline, has enticed both the public and clinicians to start using this type of approach. For clinicians to use this in their area of practice, it is important to understand the real benefits of such interventions. In this webinar, we will discuss the current evidence on this type of intervention so clinicians can make informed decisions when choosing this approach in their daily clinical practices.

After watching this webinar, you will be able to:

1. Understand the current evidence concerning the impact of computer-based cognitive training on everyday function.
2. Support clinicians in making informed decisions when choosing this type of intervention in their daily practices.

How Occupational Therapy Influences Neuroplasticity

Presented by Guy McCormack on August 22, 2017

Brain plasticity is a core principle that demonstrates the ability of the central nervous system to respond to stimuli and modify its structural organization and function as an adaptive response. Occupation-based interventions which engage the use of the hands are conceived as a "mind-body" experience because of the vast potential for perceptual learning and neurologic reorganization. Many types of neuroplasticity have been identified, but "activity dependent neuroplasticity" is an essential concept for occupational therapy practice. In addition, the concept of "cross-modal plasticity" will also be delineated with regard to implications to clinical practice. Guidelines for tactile or somatosensory stimulation will be derived from a systematic review of the neuroscience literature.

After watching this webinar, you will be able to:

1. Define neuroplasticity.
2. Describe the types of neuroplasticity
3. Provide occupation-based examples of positive and negative neuroplasticity.

Implementation of Performance-Based Cognitive Assessments Using Implementation Science Frameworks

Presented by Megan Kohls-Wiebe & Darcy Butterworth on June 13, 2017

Implementation of standardized performance-based cognitive assessments alongside traditional measures of cognition is considered best-practice in Occupational Therapy (OT). The National Implementation Research Network (NIRN) evidence-based implementation science frameworks were used to achieve systematic and sustainable implementation of four performance-based cognitive assessments: Kettle Test, Executive Function Route-Finding Task (EFRT), Executive Function Performance Test (EFPT) and Multiple Errands Test (MET). NIRN tools were used to analyse systems and drivers, to develop operational definitions of desired practices and outcomes, and to identify how outcomes would be measured. Implementation was piloted with Plan-Do-Study-Act cycles to refine training/coaching methods and supporting materials prior to implementation.

After watching this webinar, you will be able to:

1. General understanding of Implementation Science
2. General understanding of National Implementation Research Network (NIRN) Stages of Implementation
3. Understanding of how 1 and 2 can be used in a clinical setting through a description of an Occupational Therapy project to implement performance-based cognitive assessments in a rehabilitation facility.

An Occupational Therapy Approach to Evaluation of Cognition/Perception: A Comprehensive Decision-Making Algorithm

Presented by Alison McLean on October 13, 2015

Building on previously published algorithms and guidelines, a comprehensive, evidence-based clinical reasoning tool was developed for use across adult populations: "An Occupational Therapy Approach to Evaluation of Cognition/Perception". This algorithm has become the foundation of the clinical practice guideline (for the adult population) for occupational therapy cognitive evaluation within Vancouver Coastal Health and Providence Health. This webinar will review the algorithm, suggest tools for cognitive screening and in-depth evaluation at both the levels of impairment and task performance, and share some case examples to illustrate use of this tool.

After watching this webinar, you will:

1. Describe a clinical reasoning tool for occupational therapy evaluation of cognition.
2. Apply the tool to case studies, to guide the clinical reasoning process involved in occupational therapy cognitive evaluation.
3. Be aware of highly accessible (internet-based) resources to assist in selecting appropriate cognitive assessment tools for their own client population.

Assessing Cognition in Seniors; Making Sense of the Numbers; Beyond Cut off Scores!

Presented by Debby McQuillen on January 15, 2013

This webinar will review the ethics and rational for occupational therapists performing cognitive assessments. Specific cognitive assessments developed to assess dementia including their strengths and weaknesses will be discussed, (MMSE, SLUMS, CASE CAM, ACE-R) and an effort will be made to provide tools therapists when deciding "Are Other Dementia Screening Tools Better? Functional Tasks designed to assess cognition in various clinical settings will be suggested including strategies for charting. There will be a discussion on clinical assessments to consider when assessing seniors for driving.

After watching this webinar, you will:

1. When to use a dementia assessment tool and how to understand the cut off score.
2. Choosing functional tasks to assess cognition and how to chart.
3. Driving and Seniors; how to assess in the clinic

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Purchase the group version of this webinar bundle (valid for up to 25 people from the same company/organization)

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