



PHYSIOTHERAPY
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Department of Physical Therapy
Faculty of Medicine

Our Projects, Your Practice: Knowledge Broker Project Teams



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PROJECTS FACILITATED BY / CONTRIBUTED TO BY THE PHYSICAL THERAPY KNOWLEDGE BROKER

PROJECT	WHY / WHAT	WHO	OUTCOMES
Enhancing physiotherapy best practice in issues of skin & wound care	A request was generated by the PABC Practice Guideline Advisory Task Force to provide guidance for clinicians in best practice for skin & wound care	<i>Nancy Cho, Sarah Rowe, Rochelle Graham, Rebecca Packer, Michelle Jacobs, Leah Keiffer, Leslie Hopkins, Emily Motyka, Heather Newsome, Angela Ng, Sondra Ng, Oksana Peczeniuk, Devon Tyler, Fiona Wright</i>	Completed. Resources available on websites -Video of lectures on use of ultrasound and electrical stimulation - Video of application of electrical stimulation - Summary of effects of therapeutic modalities - Instructions on application techniques - Summary of PT role and scope in wound care - Supporting resources - List of required equipment - eLearning modules - References
SAFEMOB Safe mobilization of the acutely ill patient	A request was generated by the PABC Practice Guideline Advisory Task Force to develop a concise tool which guides PT clinicians in evidence-informed-decision-making for the safe mobilization of the acutely ill patient.	<i>Frank Chung, Simone Gruenig, Rosalyn Jones, Jocelyn Ross, Maylinda Urbina, Dr. Darlene Reid, Dr. Elizabeth Dean</i>	Completed. SAFEMOB tool and supporting resources (recording, references) are available on the websites. This tool has been shared nationally.
Total joint arthroplasty: Enhancing utilization of outcome measurement (TJAOM)	3 synergistic projects with the following objectives for use of outcome measures (OM) in TJA care: (1) To establish a baseline of current use (2) To document clinician identified barriers and solutions (3) To develop learning resources and tools necessary to facilitate use of OM (4) To disseminate, implement, and evaluate the uptake of these learning resources and tools	<i>Dave Troughton, Catherine McAuley, Dr. Marie Westby, Ronda Field, Maureen Duggan, Dr. Darlene Reid, Phil Lawrence, Fatima Inglis, Susan Carr, Greg Noonan, Tracey Wong, Belinda Wagner, Lauren Welch, Drey Voros, Danielle Balik, Veronica Naing, Dolores Langford, Robyn Latham, Irene Goodis, Marisa Twaites, Melissa Idle, Rubyanne Meda, Stan Metcalfe, Wendy Watson</i>	Completed chart audit, focus group and survey. Submitting first manuscript and started second manuscript. Developed knowledge translation plan to guide implementation and evaluation of the resulting resources.
Guidelines for provision of wheelchairs in progressive neuromuscular disease	(1) Appraise the 2006 UK guideline (2) Evaluate, synthesize and incorporate evidence from an updated comprehensive lit review & local consensus. (3) Incorporate information appropriate for specific progressive neuromuscular diseases. (4) Ensure the update guideline reflects the needs and practice environment of BC therapists.	Lori Roxborough, <i>Janice Evans, Cheryl Sheffield, Debbie Scott-Kerr, Maureen Story, Susan Garret, Lorelyn Meisner, Shannon Sproule, , Roslyn Livingstone, Susan Stacey, Sarah Pike, Catherine Husken, Ian Dennison</i>	This project is in the final stages of editing. It is anticipated that the amended guideline will be completed by April 2013. It will be loaded on appropriate websites (eg. www.childdevelopment.ca and cross linked to www.therapybc.ca) and disseminated to paediatric OTs and PTs throughout BC.

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AECOPD project	<p>Given that SAFEMOB could not adequately address the needs for safe and effective exercise prescription for the unique population of Acute Exacerbation of Chronic Obstructive Pulmonary Disease (AECOPD), the AECOPD project was undertaken to create a tool, similar to SAFEMOB, for this population.</p> <p>Funding: Canadian Institute of Health Research</p>	<p><i>Dr. Pat Camp, Dr. Darlene Reid, Frank Chung, Christiane Yamabayashi, Dr. Darcy Marciniuk, Dr. Dina Brooks, Dr. Donna Goodridge, Dr. Michael Hunt, Paolo Macapagal, Debbie Kan, Colin Beattie, Taz il Yoon, Param Bakshi, Monica Jochlin, Mallory White, Lauren Courtice, Kira Frew, Kayla Forsyth</i></p> <p>UBC MPT students</p>	<p>Completed a systematic review of systematic reviews which was published on an open access site and has received over 5000 hits.</p> <p>Completed a Delphi (consensus process) with researchers & clinicians from multiple disciplines, as well as patients and families, to develop recommendations for best practice. Data has been analyzed.</p> <p>Using the results from the systematic review and Delphi, a decision-making tool has been developed and will be tested for usability soon.</p> <p>A KT plan has been developed and 3 manuscripts have been published.</p>
Tendinopathy Toolkits - Achilles - Tennis Elbow	<p>As a result of a call for proposals for PT KB projects, the Tendinopathy Task Force was struck to create a toolkit to guide PTs in evidence-informed practice for patients with Achilles Tendinopathy.</p> <p>Subsequent to the success of the Achilles Tendinopathy Toolkit, the Task Force undertook the same process for Tennis elbow tendinopathy.</p>	<p><i>Michael Yates, Diana Hughes, Dr Joseph Anthony, Dr. Alex Scott, Allison Ezzat, JR Justensen, Carol Kennedy, Dr. Angela Fearon</i></p>	<p>Completed the Achilles Tendinopathy Toolkit.</p> <ul style="list-style-type: none"> - Posted on the websites of PABC, UBC Dept. of PT, Physiopedia, British Journal of Sports Medicine (June 2013) - Developed into a web app - Shared at the International Scientific Tendinopathy Symposium, the Can Physiotherapy Association Congress and the Int Fed of Orthopaedic & Manipulative Therapists <p>Tennis Elbow Toolkit: Completed first draft & sent for input to BC PTs</p>
Cervical Spine Trauma: Use of Canadian Cervical Spine Rules	<p>Objective: to provide guidance to PTs in appropriate management of patients with acute traumatic neck pain</p>	<p><i>Marj Belot, Carol Kennedy, Dr. Linda Li, Antonio Zenone, John Howick, Guido Wisotzki, Bill Lyons, Hisae Nakamura</i></p>	<ul style="list-style-type: none"> - Currently, there is a survey being undertaken of 889 PTs in BC re current practice in cervical trauma and their awareness and barriers to use specific resources. <p>Next steps:</p> <ul style="list-style-type: none"> - Analysis of survey - Implementation of knowledge translation plan
FEATHERS Functional Engagement in Assisted Therapy through Exercise Robotics	<p>Objective: to develop social gaming programs, supported by upper-limb robotics, which will enable and motivate children with cerebral palsy, and older adults after stroke, to practice their home exercises.</p> <p>Funding: Peter Wall Solutions Initiative</p>	<p>Dr. Machiel Van der Loos, Dr. Elizabeth Croft, <i>Dr. Lara Boyd, Dr. Naznin Virji-Babul, Heather Branscombe, Judit Spence</i>, Dr. Linda Li, Navid Shirzad, Sandy Tatla, Tina Jung, Bulmaro Valdés, Dr. Nicole Hodges, Dr. Keith Lohse, Melanie Lam, and <i>Courtney Hilderman</i></p>	<p>Completed: Focus groups with OTs, PTs, patients and families to identify current use of technology, barriers and benefits for future use and desired features; developed preliminary versions of software and hardware and tested powered orthoses; Submitted 3 manuscripts</p> <p>Next steps include: Development & testing of prototype devices and systems in clinics and feedback from therapists, patients and families re the devices and systems.</p>

PROJECT	WHY / WHAT	WHO	OUTCOMES
ANSWER 2 Animated, Self-serve, Web-based Research tool	Objective: to develop a decision aid tool for patients with rheumatoid arthritis who are considering biologic therapies. Patient decision aids are tools designed to facilitate discussion between patients and health care professionals about treatment options. Funding: Canadian Institute of Health Research	<i>Dr. Linda Li</i> , Dr. Chris Shaw, Dr. Diane Lacaille, Dr. Nick Bansback, Dr Allyson Jones, Dr. Anne Townsend, Paul Adam, Dr. Sydney Brooks, Dr. Elaine Yacyshyn, Pam Montie, <i>Sheila Kerr</i> , Martina Franchi, Ruta Cummings, Sharan Rai	In process: Creating a web-based decision aid. Next steps: Develop and test the prototype; undertake a study to determine the decisional conflict, medication knowledge and self-efficacy of 55 patients before and after using the ANSWER-2.
Prospective Surveillance of Arm Morbidity post Breast Cancer surgery	This project builds on previous work of the study team to reduce arm morbidity (lymphedema, pain & restricted ROM) after breast cancer surgery. Aims: 1) To inform a change in practice using a proactive PT monitoring program 2) To determine the costs and potential cost savings of this program 3) To understand the local barriers and facilitators to a change in clinical practice Funding: awaiting result of grant application to Canadian Cancer Research Institute; UBC Dept of Physical Therapy	<i>Dr. Kristin Campbell</i> , Dr. Van Laeken, Dr. Dingee, Dr. McKeivitt, Dr. Kwan, Dr. Kuusk, Dr. Pao, <i>Fatima Inglis</i> , <i>Chiara Singh</i> , <i>Belinda Wagner</i> , <i>Chelsey Funk</i> , Stephen Hung	Completed: Hosted community engagement workshop; Undertook a pilot to ensure feasibility of PT assessments In process: RCT with patients randomized either to usual care or to 'surveillance' and management, if required, to PT for lymphedema, pain or restricted ROM Next steps: when the results of the RCT are available they will inform the development of resources to support this change in practice

Italicized name = Physiotherapist

For more information on each project please refer to the following websites or contact Alison Hoens at Alison.hoens@ubc.ca.

*UBC Department of PT: <http://physicaltherapy.med.ubc.ca/research/physical-therapy-knowledge-broker/>

*PABC: Members site: under Clinical Library; Toolkits and Guidelines <http://www.bcphysio.org/content/toolkits-and-guidelines>

Other resources: (1) Research Collaboration Registry (2) Recordings of Journal club webinars: Effectiveness of mobilizations for knee OA; Tennis Elbow; Hip Protectors: Effectiveness for reducing hip fracture; Effectiveness of Low level LASER for Achilles Tendinopathy; Effectiveness of therapeutic ultrasound for soft tissue pathology of the shoulder; Effectiveness of orthotics for patellofemoral pain; Mobilization and manipulation for cervical pain; Frozen Shoulder, Taping for orthopaedic and neurological populations and (3) Practice Resources: (a) Cryotherapy: Why, When & How; (b) Electrophysical Agents: Contraindications and Precautions; (c) Resources for Safe Handling of Patients; (d) Botox and spasticity: management algorithm and inventory of outcome measures; (e) Secretion clearance techniques; (7) Incentive spirometry.