

<b>Year</b>	<b>Principal Investigator</b>	<b>Project</b>
2010	Dr. Robert L. Reid Dept. of OBGYN	Can a MedTech e-learning module adequately prepare medical students to undertake a first female pelvic exam?
2010	Dr. Richard van Wylick Dept. of Pediatrics	Integrated delivery of medical education in a community setting
2010	Dr. Robert J. Connelly Dept. of Pediatrics	Designing a model assessment system for use in a pediatric residency program
2010	Dr. Karen Schultz Dept. of Family Medicine	Ensuring educational equity: program evaluation of the Queen's University Department of Family Medicine distributed sites: Belleville, Kingston, Peterborough
2010	Dr. Willa Henry Dept. of Family Medicine	Innovative intervention model to better orient Family Medicine residents to caring for seniors in long term care – an evaluation
2011	Dr. J. Damon Dagnone Dept. of Emergency Medicine	Development and validation of simulation-based assessment tools in the evaluation of resuscitation skills among postgraduate trainees
2011	Dr. Lindsay Davidson Dept. of Orthopaedic Surgery	Effectiveness of a novel joint undergraduate/postgraduate LMCC part 2 preparatory OSCE
2011	Dr. Karen Schultz Dept. of Family Medicine	Assessing competency curriculums and ensuring educational equity: a qualitative study evaluating the Queen's Department of Family Medicine distributed sites – Belleville, Kingston, Peterborough
2011	Dr. John Smythe Dep. Of General Pediatrics	Development and implementation of a mindful medical practice curriculum
2011	Dr. Vidur Shyam Dept. of Anesthesiology and Perioperative Medicine	Comprehensive sonoanatomy module to reduce duration of training and increase accuracy of neuraxial block performance
2011	Dr. Raveen S. Pal Dept. of Medicine, Division of Cardiology	Development of a novel evaluation tool for assessment of competence in Level 1

		echocardiography following focused training
2012	Dr. Lindsay Davidson Dept. of Orthopaedic Surgery	Case-based teaching in the undergraduate MD program: an analysis of levels of learning and development of targeted faculty development process
2012	Dr. Jane Griffiths Dept. of Family Medicine	The impact of a Portfolio Assessment System (PAS) on faculty and resident views of assessment: are we changing the culture of assessment?
2012	Dr. Melanie T. Jaeger Dept. of Anesthesiology and Perioperative Medicine	Real-time needle and ultrasound tracking system for invasive procedure skill acquisition: a pilot study
2012	Dr. Jennifer MacKenzie Dept. of Pediatrics	The relationship between medical students' motivation and engagement in an e-portfolio for intrinsic CanMEDS roles
2012	Dr. Karen Smith Dept. of Physical Medicine & Rehabilitation	Innovative electronic CME for physicians: actionable nuggets
2013	Dr. Henry Averbs Dept. of Medicine, Division of Rheumatology	The milestones project: defining measurable markers of progression towards competence
2013	Dr. Dan Borschneck Dept. of Orthopaedic Surgery	Virtual reality versus benchtop simulation in the acquisition of arthroscopic skill
2013	Dr. Lawrence Hookey Dept. of Medicine, Division of Gastroenterology	Prospective controlled assessment of a colonoscopy technical skills acquisition curriculum: impact on skills acquisition rates and trainee cognitive load in gastroenterology and surgical trainees
2013	Dr. Amer Johri Dept. of Medicine, Division of Cardiology	Generation iUltrasound: assessment of a simulation and electronic-based education delivery models for teaching hand-held cardiac ultrasound skills
2013	Dr. Robert Siemens Dept. of Urology	Training ultrasound-guided nephrostomy using a

		computerized augmented reality system
2014	Dr. Jennifer Carpenter Dept. of Emergency Medicine	Implementation of a certificate in global health to enhance service-learning opportunities and education in both advocacy and the care of under-served populations
2014	Dr. Ian Casson Dept. of Family Medicine	Evaluation of curriculum in primary care of adults with developmental disabilities: teaching Family Medicine residents about comprehensive continuing care for complex and vulnerable populations
2014	Dr. Robert J. Connelly Dept. of Pediatrics	Measuring the impact of an I-Pass intervention bundle on handover quality
2014	Dr. Louise Rang Dept. of Emergency Medicine	The novel use of probe motion-tracking technology to assess competency in Point of care Ultrasound (PoCUS)
2014	Dr. Jennifer MacKenzie Dept. of Pediatrics	Expanding genetics teaching in postgraduate education: creation and evaluation of online modules
2014	Dr. Lindsey Patterson Dept. of Anesthesiology and Perioperative Medicine	Constructing a validity argument for the use of online modules and their rubrics to support the teaching and assessment of procedural skills
2015	Dr. Sean Taylor Dept. of Medicine, Division of Neurology	Stroke school: an immersive education module for the development of stroke competency
2015	Dr. Stephen Mann Dept. of Orthopaedic Surgery	Resident perceptions of competency-based medical education
2015	Dr. Andrew Koch Hall Dept. of Emergency Medicine	Performance of a multi-centre single-site simulation-based resuscitation OSCE for Emergency Medicine trainees
2015	Dr. Leslie V. Flynn Dept. of Psychiatry	Using the concerns-based adoption model's stages of concern to understand the experience of a transition of postgraduate residency

		programs to competency-based medical education (CBME)
2015	Dr. Susa Chamberlain Dept. of OBGYN	A rubric for assessing informed consent
2015	Dr. Shayna Watson Dept. of Family Medicine	Mapping reflective practice-thematic analysis of Family Medicine clerkship case reflections
2016	Dr. Rene Allard Dept. of Anesthesiology and Perioperative Medicine	Training residents to be competent in self-assessment: regular use of self-assessment in a focused cardiac ultrasound curriculum and evaluating its effect on learning
2016	Dr. Stephanie Baxter Dept. of Ophthalmology	Developing and evaluating competency-based assessment tools for the Department of Ophthalmology
2016	Dr. Suzanne K. Bridge Dept. of Medicine, Division of General Internal Medicine	The effect of implementation of a point of care cardiac ultrasound training program on clinical decision making and patient care
2016	Dr. Barry Chan Dept. of Medicine, Division of General Internal Medicine	Development and implementation of an introductory Thoracic Point of Care Ultrasound (TPoCUS) for the internal medicine training
2016	Dr. Leslie V. Flynn, Dept. of Psychiatry	Evaluation of the Medical Education Development Program at Queen's
2016	Dr. Andrea Guerin Dept. of Pediatrics	Evaluating the quality of multi-modality nutrition curriculum in the first year of medical school
2016	Dr. Lawrence Hookey Dept. of Medicine, Division of Gastroenterology	Prospective controlled assessment of colonoscopy technical skills acquisition using wrist and forearm motion analysis on a low-fidelity simulator
2016	Dr. Mila Kolar Dept. of General Surgery	Development and validity of an assessment system for surgery clerkship
2016	Dr. David Messenger Dept. of Emergency Medicine	An assessment of residents' perceived acquisition of administration and leadership competencies in Canadian

		Emergency Medicine residency programs
2016	Dr. David Taylor Dept. of Medicine, Division of General Internal Medicine	Evaluating and revising entrustable professional activities for internal medicine postgraduate training programs in Canada
2016	Dr. Richard van Wylick Dept. of Pediatrics	The faculty development educational research series: is it meeting the needs of participants?
2016	Dr. Roy Ilan Dept. of Medicine, Division of General Internal Medicine	Hands-on patient safety and quality improvement: implementation and evaluation of a curriculum for the core internal medicine training program
2016	Dr. Kimberley Meathrel Dept. of Plastic Surgery	Development and implementation of a competency-based medicolegal curriculum for residents
2016	Dr. David Saleh Dept. of Pediatrics	Flipping the electronic classroom to support clerkship development of pediatric sub-specialty
2016	Dr. Naji J. Touma Dept. of Urology	Identifying knowledge gaps in graduating Urology residents as well as shortcomings of Canadian training programs: analysis of a national examination of chief residents over the last 14 years
2017	Dr. Christine Law Dept. of Ophthalmology	Development of curriculum, assessment tools and competency targets for simulated core Ophthalmology surgical skills in a wet laboratory setting
2017	Dr. Susan MacDonald Dept. of Family Medicine	Developing and implementing an integrated Medical Assistance in Dying (MAID) curriculum into the Royal College Specialty Residency Training Programs at Queen's University
2017	Dr. David Pichora Dept. of Surgery	Upper extremity trauma: developing educational

		methods for teaching assessment and feedback
2017	Dr. Andrew K. Hall Dept. of Emergency Medicine	Exploring the lived experience of implementing CBME in Emergency Medicine: lessons learned
2017	Dr. Lindsey Patterson Dept. of Anesthesiology and Perioperative Medicine	Skills translation to clinical practice of real-time needle tracking system for assessment of lumbar puncture skills acquisition: a pilot study
2017	Dr. David Taylor Dept. of Medicine	Team-based assessment of resident performance, a mixed methods study
2017	Dr. Boris Zevin Dept. of Surgery	Implementation and evaluation of a comprehensive simulation-based resident training curriculum in bariatric surgery at Queen's University
2018	Dr. Yi Ning Strube Dept. of Ophthalmology	Validation of a novel strabismus surgery 3D printed eye model and curriculum design for ophthalmology resident training in the simulation lab
2018	Dr. Boris Zevin Dept. of Surgery	Proficiency-based training in soft tissue resection using real-time computer navigation feedback from the Surgery Tutor
2019	Dr. Genevieve Digby Dept. of Medicine	Evaluation of a formal patient safety curriculum and informal experiential learning on internal medicine residents' knowledge, skills and attitudes related to quality improvement and patient safety: informing a curriculum and competency-based assessment
2019	Dr. Stephen Gauthier Dept. of Medicine	Investigating the factors that impact quantity of workplace-based assessments and performance in residency training
2019	Dr. Kelly Howse Dept. of Family Medicine	Analysis of factors predicting applicants' matching success in the Canadian residency match

2019	Dr. Maria Hussain Dept. of Psychiatry	Operationalizing subspecialty training in the competency by design model: a case study of lived experiences
2019	Dr. Paula James Dept. of Medicine	Learning in translational medicine graduate program: a developmental evaluation approach
2019	Dr. Amer Johri Dept. of Medicine	Integrating cardiac and lung POCUS into the medical school curriculum: didactic methods compared to e-learning
2019	Dr. Sarosh Khalid-Khan Dept. of Psychiatry	Evaluating the child and adolescent psychiatry sub-specialty program
2019	Dr. Peter MacPherson Dept. of Pediatrics	Evaluating medical students' experiences with a pediatrics e-book
2019	Dr. Glenio Mizubuti Dept. of Anesthesiology and Perioperative Medicine	Focused cardiac ultrasound training as Continuing Medical Education (CME) for staff physicians
2019	Dr. Darrin Payne Dept. of Surgery	Informing ongoing CBME program improvement in the Department of Surgery with a coordinated program evaluation approach
2019	Dr. Jessica Trier Dept. of Physical Medicine & Rehabilitation	Operationalizing competence committees: lessons learned from early implementers of CBME in the Canadian context
2021	Dr. Ramana Appireddy Dept. of Medicine	Exploring the integration and assessment of the CanMEDS roles during virtual care encounters
2021	Dr. Sussan Askari Dept. of Physical Medicine & Rehabilitation	Equipping a new generation of physicians to address root causes of chronic diseases: a randomized control trial of remote culinary coaching medical education program
2021	Dr. Wiley Chung Dept. of Surgery	Views from the frontline: the perceived impact of shorter resident call shifts on learning opportunities
2021	Dr. Fabiano Gomes Dept. of Psychiatry	Applying a game-based learning approach to develop

		competence for the clinical use of lithium
2021	Dr. Andrea Guerin Dept. of Pediatrics	COVID and clerkship: an outcome harvest of the COVID-19 on the clinical clerkship
2021	Dr. Mala Joneja Dept. of Medicine	Lessons from the Faculty of Health Sciences Dean's Action Table on Equity, Diversity, and Inclusion: implications for transforming the clinical learning environment in health professions education
2021	Dr. Christine Law Dept. of Ophthalmology	Development of an arts-based program for improving cultural humility and safety in medical education
2021	Dr. Marie Leung Dept. of Medicine	Exploring professional identity formation in clerkship medical students during the COVID-19 global health emergency
2021	Dr. Naji Touma Dept. of Urology	Research productivity of medical students entering surgical specialties and sustainability of research during residency
2022	Dr. Sussan Askari Dept. of Physical Medicine & Rehabilitation	Exploring lifestyle medicine programs for undergraduate medical education: a scoping review
2022	Dr. Wiley Chung Dept. of Surgery	Decolonization and Indigenization of a surgical curriculum: exploring the perceived impact of a medicine wheel rubric on learner wellness
2022	Dr. Amanda Collier Dept. of Emergency Medicine	Untangling the equity, diversity and inclusion (EDI) dimensions of the 2015 CanMEDS competency framework: implications for medical teaching, learning and practice
2022	Dr. Jean Mathews Dept. of Medicine, Division of Palliative Care Medicine	Training the trainer: evaluation of a workshop to improve confidence, knowledge and skill among palliative medicine staff physicians with performing and



		teaching point-of-care ultrasound (POCUS)
2022	Dr. Ben Ritsma Dept. of Physical Medicine & Rehabilitation	Virtual care for amyotrophic lateral sclerosis (ALS): provider educational needs assessment to inform development of an educational intervention
2022	Dr. David Saleh Dept. of Pediatrics	An online case-based “hypothetical patient” exercise for teaching residents skills in the management of patients with type 1 diabetes
2022	Dr. Peter Szasz Dept. of Surgery	Predicting summative performance based on formative decisions
2022	Dr. Jessica Trier Dept. of Physical Medicine & Rehabilitation	Exploring academic advisor-resident coaching relationships in postgraduate medical education
2023	Dr. Maria Hussain Dept. of Psychiatry	Leveraging simulation to increase competence in assessment of capacity in Psychiatry and Geriatric Psychiatry training
2023	Dr. Marie Leung Dept. of Medicine, Division of General Internal Medicine	Development and implementation of an integrated social medicine curriculum for core Internal Medicine trainees to improve care for disadvantaged populations
2023	Dr. Christine Liak Dept. of Medicine, Division of Respiriology	Developing an online educational tool for clinical cardiopulmonary exercise testing interpretation
2023	Dr. Gillian MacLean Dept. of Pediatrics	A child-sized study: the design, fabrication and testing of neonate-size simulation model for use in procedural skills training
2023	Dr. Jodie Pritchard Dept. of Emergency Medicine	Interprofessional in-situ simulation in a remote Emergency Department: an acceptability and feasibility study
2023	Dr. Audrey Tran	Assessment ratings and narrative themes in faculty-

	Dept. of Medicine, Division of General Internal Medicine	triggered vs. learner-triggered assessments within competency-based medical education: a mixed methods study
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