October 3-5, 2019
Ottawa | Shaw Centre
Learning objectives

The 2019 Canadian Stroke Congress will be a catalyst for:

• Sharing current evidence-based best practices in care across the full stroke continuum;
• Networking among inter-professional individuals and groups working in stroke research, clinical care and system planning and improvement;
• Profiling innovative research and highlighting Canadian achievements and contributions to stroke diagnosis, care and recovery;
• Raising the bar on stroke standards of care by providing education, implementation knowledge, and practical skills to be incorporated into daily practice working in stroke care.
• Integrating principles of person-centred stroke care into their practice and work environments.

Accreditation

The Canadian Stroke Congress is an Accredited Group Learning Activity (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada, and approved by the University of Ottawa’s Office of Continuing Professional Development for a maximum of 18.0 hours (credits are automatically calculated).

This one credit-per-hour Group Learning program has been certified by the College of Family Physicians of Canada and the Ontario Chapter for up to 17.00 Mainpro+ credits.

The World Stroke Organization endorses this meeting and encourages all its members to attend: www.world-stroke.org

Committees

A Congress of this magnitude is the result of hard work and commitment from the dedicated members of the Steering and Scientific Program Committee.

Our ongoing collaboration continues to create a unique knowledge exchange opportunity, grounding in a high-caliber scientific program. We thank the members of the Working Groups who shared their expertise to develop the content in each stream.

STEERING COMMITTEE

Members:
• Mike Sharma
• Mary Elizabeth Harriman
• Theodore Wein
• Mark Bayley
• Patrice Lindsay

SCIENTIFIC COMMITTEE

Leadership:
• Sean Dukelow, Co-Chair
• Frank Silver, Co-Chair
• Patrice Lindsay
• Gord Gubitz
• Leanne Casaubon
• Karen Earl
• Shaun Boe
• Aline Bourgoin
• Numa Dancause
• Andrew Dawson
• Trish Helm-Neima
• Thomas Jeerakathil
• Timo Krings
• Farrell Leibovitch
• Jennifer Leppard
• Catherine Mercier
• Avik Nath
• Grant Stotts

Co-hosts

Collaborating organization

Cover image courtesy of Ottawa Tourism
## Program overview

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<td>CANADA HALL 1</td>
<td><strong>OPENING CEREMONY AND PLENARY</strong>&lt;br&gt;The impact of changing demographics on stroke management: What do we need to do to be ready?</td>
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<td>10:00 – 10:30</td>
<td>PARLIAMENT FOYER</td>
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<td><strong>Acute stroke management plenary and oral abstracts</strong>&lt;br&gt;The extremes of hyperacute care: Where are we headed?&lt;br&gt;Oral abstract presentations</td>
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<td>ROOM 208</td>
<td><strong>Rehabilitation and recovery plenary</strong>&lt;br&gt;Recommendations from the second meeting of the Stroke Rehabilitation and Recovery Roundtable</td>
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<td>ROOM 206</td>
<td><strong>Stroke systems plenary and oral abstracts</strong>&lt;br&gt;Innovation in Transitions of Care: Patient centered outcomes and experiences&lt;br&gt;Oral abstract presentations</td>
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<td><strong>Stroke prevention plenary and oral abstracts</strong>&lt;br&gt;Controversies in secondary stroke prevention&lt;br&gt;Oral abstract presentations</td>
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<td>ROOM 205</td>
<td><strong>Interdisciplinary workshops</strong>&lt;br&gt;Smoking cessation: Contemporary approaches and contemporary challenges&lt;br&gt;What you see is what you get: Neuroradiology and the neuroscience client</td>
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<td>ROOM 207</td>
<td><strong>Supported conversation and aphasia: Patient experience and compliance with best practice</strong></td>
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<td>ROOM 201</td>
<td><strong>Rehabilitation and recovery concurrent session</strong>&lt;br&gt;Community exercise programs for stroke rehabilitation</td>
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<td>ROOM 206</td>
<td><strong>Rehabilitation and recovery abstracts</strong>&lt;br&gt;Oral abstracts&lt;br&gt;Brief oral posters&lt;br&gt;Brag &amp; Steal</td>
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<td>16:00 – 17:00</td>
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<td><strong>HNATYSHYN LECTURE</strong>&lt;br&gt;The evolution of paediatric stroke in Canada and globally</td>
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<td>CANADA HALL 2</td>
<td><strong>POSTER PRESENTATIONS</strong>&lt;br&gt;See pages 20 – 25 for poster titles</td>
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**Wireless Network:** CSC2019AVC  
**Password:** StrokeCongress
8:30 – 10:00 OPENING CEREMONY AND PLENARY CANADA HALL 1

**WELCOME TO ALGONQUIN TERRITORY AND OPENING PRAYER**
- Elder Albert Dumont

**WELCOME REMARKS:**
- Sean Dukelow and Frank Silver, Canadian Stroke Congress Co-chairs
- Andrew Pipe, Heart & Stroke Foundation
- Mike Sharma, Canadian Stroke Consortium

**THE IMPACT OF CHANGING DEMOGRAPHICS ON STROKE MANAGEMENT: WHAT DO WE NEED TO DO TO BE READY?**

**Learning objectives:**
Upon completion of this session, participants will be able to:
- Identify 3 key elements for successfully implementing standardized evidence informed stroke care in the acute phase.
- Demonstrate the importance of applying person centred care principles in the acute phase.
- Define an integrated system of stroke care and services through the lens of a patient’s journey.

**Moderators:** Frank Silver and Sean Dukelow

**8:50 – 9:05 Prevention** – Andrew Pipe

**9:05 – 9:20 Acute care** – Andrew Demchuk

**9:20 – 9:35 Rehabilitation and recovery** – Nick Ward

**9:35 – 9:50 Stroke: The unplanned event in a person’s journey** – Louise Clément

**9:50 – 10:00 Panel Q&A**

10:00 – 10:30 REFRESHMENT BREAK WITH EXHIBITORS PARLIAMENT FOYER

10:30 – 12:00 CONCURRENT SESSIONS LEVEL TWO

**ACUTE STROKE MANAGEMENT PLENARY ROOMS 205 & 207**

**ACUTE STROKE – ORAL ABSTRACT PRESENTATIONS**

**Learning objectives:**
Upon completion of these presentations, participants will be able to:
- Describe emerging approaches to diagnosis and management of acute ischemic stroke and intracerebral hemorrhage.
- Explain ethical issues related to consent in acute stroke treatment.

**Moderators:** Amy Yu and Gord Gubitz

**10:30 – 11:00 Oral abstract presentations**
- Deferral of consent in ACT QuICR OPTIMISE: An ethical justification – Michel Shamy
- Calculation of multiple intracerebral hemorrhage scores using delayed imaging outperform baseline in acute intracerebral hemorrhage – Ronda Lun
- Large vessel occlusion without endovascular thrombectomy: Characterizing patient selection and the effect of time – Stephanie D. Reiter

**11:00 – 11:10 Brief oral abstract presentations**
- Equipoise and the justification for RCTs: Stroke researchers, REB Chairs and philosophers weigh in – Brian Dewar
- A delayed modified-ICH score outperforms baseline scoring in acute intracerebral hemorrhage – Ronda Lun
THE EXTREMES OF HYPERACUTE CARE: WHERE ARE WE HEADED?

Learning objectives:
Upon completion of these presentations, participants will be able to:
- Explain current evidence on acute stroke management.
- Describe implications of new evidence for clinical practice.

11:20 – 11:40  Pushing the boundaries of thrombolysis  – Michel Shamy

11:40 – 12:00  Their NIHSS = 2. What are my treatment options?  – Amy Yu

REHABILITATION AND RECOVERY PLENARY

RECOMMENDATIONS FROM THE SECOND MEETING OF THE STROKE REHABILITATION AND RECOVERY ROUNDTABLE

Learning objectives:
Upon completion of this session, participants will be able to:
- Summarize the recommendations from each of the Stroke Rehabilitation & Recovery Roundtable.
- Identify appropriate outcome measures to include in stroke rehabilitation research trials.

Moderators: Nick Ward and Matthew McDonald

10:30 – 10:35  Overview of the Stroke Rehabilitation and Recovery Roundtable  – Dale Corbett

10:35 – 10:50  Cognitive rehabilitation  – Dale Corbett


11:05 – 11:20  Kinematic assessments  – Mindy Levin

11:20 – 11:35  Developing the next generation of stroke recovery treatment trials  – Kate Hayward

11:35 – 12:00  Panel Q&A

STROKE SYSTEMS PLENARY

INNOVATION IN TRANSITIONS OF CARE: PATIENT CENTERED OUTCOMES AND EXPERIENCES

Learning objectives:
Upon completion of these presentations, participants will be able to:
- Discuss innovative approaches to support transitions across the stroke continuum.
- Explore how to design transition models that focus on the needs of patients and their families.

Moderators: Sacha Arsenault and Natalie Gierman

10:30 – 10:50  Community-oriented thinking about transitions of care  – Michelle Nelson

10:50 – 11:00  Re-conceptualizing transitions in stroke care from the patient perspective in British Columbia  – Katie White

11:00 – 11:10  Peer Support Program Bridging Hospital to Community: Renfrew County Community Partnership Model  – Danielle Rae
10:30 – 12:00 CONCURRENT SESSIONS LEVEL TWO

STROKE SYSTEMS PLENARY (continued) ROOM 206

11:10 – 11:15 Living through transitions – Janet Millen
11:15 – 11:30 Panel Q&A

SYSTEMS OF CARE – ORAL ABSTRACT PRESENTATIONS

Learning objectives:
Upon completion of these presentations, participants will be able to:
• Describe innovation and successes in improving stroke systems of care.
• Identify current availability and dispersion of stroke services across Canada and potential gaps.

11:30 – 12:00 Oral abstract presentations
• Stroke services in Canada – Accessibility and gaps across the continuum – Patrice Lindsay
• Quality of endovascular treatment of ischemic stroke in the province of Quebec according to priority indicators: Results of a province-wide field evaluation – Laurie Lambert
• Enhancing stroke outpatient services at Bruyère Continuing Care: A design thinking approach – Lisa McDonnell

12:00 – 13:30 NETWORKING LUNCH PARLIAMENT FOYER

13:30 – 15:30 CONCURRENT SESSIONS LEVEL TWO

STROKE PREVENTION PLENARY ROOM 208

STROKE PREVENTION – ORAL ABSTRACT PRESENTATIONS

Learning objectives:
Upon completion of these presentations, participants will be able to:
• Explain the use of diagnostic imaging technology for secondary stroke prevention.
• Discuss the value of virtual technology to increase access to stroke prevention services.
• Summarize the evidence related to interpreting troponin results after stroke.

Moderators: Sashi Perera and Tom Jeerakathil

13:30 – 14:30 Oral abstract presentations
• The yield of intracranial vessel wall MR imaging to assess ischemic stroke etiology in the young – A prospective study – Joanna D. Schaafsma
• Elevated Troponin after Stroke. Neurogenic or Cardiogenic? Systematic Review and Meta-analysis – Estafania Ruiz Vargas
• Neuroimaging and clinical outcomes of intracerebral hemorrhage according to antithrombotic type – Himanshu Gupta
• Home virtual visits in stroke prevention clinic – Ramana Appireddy
• Late-breaking: Study of rivaroxaban for cerebral venous thrombosis – Thalia Field

#StrokeCongress
### 13:30 – 15:30 CONCURRENT SESSIONS LEVEL TWO

#### ROOM 208

**STROKE PREVENTION PLENARY (continued)**

**CONTROVERSIES IN SECONDARY STROKE PREVENTION**

**Learning objectives:**

Upon completion of these presentations, participants will be able to:

- Describe current evidence on secondary prevention of stroke.
- Discuss implications of new evidence on prevention for clinical practice.

**14:30 – 15:00**

**What do we do now with ESUS strokes?** – Mike Sharma

**15:00 – 15:30**

**When atrial fibrillation gets complicated: a series of challenging cases** – Brett Graham

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#### ROOM 207

**INTERDISCIPLINARY WORKSHOP**

**13:30 - 15:30 SUPPORTED CONVERSATION AND APHASIA: PATIENT EXPERIENCE AND COMPLIANCE WITH BEST PRACTICE**

- Aura Kagan
- Robbyn Drainmin

*This workshop is 55 minutes and will be offered at 13:30 – 14:25 and 14:35 – 15:30*

**Learning objectives:**

Upon completion of this workshop, participants will be able to:

- Describe basics of supportive conversation for adults with aphasia.
- Identify communication barriers and solutions.
- Integrate approaches for supportive conversation to their own setting.

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#### ROOM 205

**INTERDISCIPLINARY WORKSHOP**

**13:30 - 14:30 SMOKING CESSATION: CONTEMPORARY APPROACHES AND CONTEMPORARY CHALLENGES**

- Robert Reid

**Learning objectives:**

Upon completion of this workshop, participants will be able to:

- Identify the various smoking cessation products available on the market.
- Describe the potential risks and benefits of e-cigarettes and other tobacco products at the individual and population level.
- Implement knowledge of new and novel smoking products when counselling clients on smoking cessation.

**14:30 - 15:30 WHAT YOU SEE IS WHAT YOU GET: NEURORADIOLOGY AND THE NEUROSCIENCE CLIENT. CONNECTING THE DOTS FOR NURSES**

- Dawn Tymianski

**Learning objectives:**

Upon completion of this workshop, participants will be able to:

- Describe the diagnostic purpose and appropriate application of CAT and MRI scans.
- Recognize basic anatomy and pathology as seen on neuroimaging studies.
- Apply a consistent approach to CT/MRI interpretation for the identification of ischemic and hemorrhagic stroke.

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*Wireless Network: CSC2019AVC  Password: StrokeCongress*
13:30 – 15:30 CONCURRENT SESSIONS LEVEL TWO

REHABILITATION AND RECOVERY CONCURRENT SESSION ROOM 201

COMMUNITY EXERCISE PROGRAMS FOR STROKE REHABILITATION

Learning objectives:
Upon completion of this session, participants will be able to:

• Describe the barriers and challenges for the implementation of community exercise programs following stroke.
• Discuss lessons learned from the successful implementation of community exercise programs.

Moderators: Elizabeth L Inness and Liam Kelly

13:30 – 13:50
Stroke Recovery in Motion: Building community capacity to implement and sustain exercise programs for people with stroke – Ian Graham

13:50 – 14:10
Program 1: Fitness and Mobility Exercise (FAME) Program for stroke: From RCTs to knowledge implementation – Janice Eng

14:10 – 14:30
Program 2: TIME (Together in Movement and Exercise): A community-based exercise program incorporating a healthcare-recreation partnership – Nancy Salbach

14:30 – 14:50
Program 3: Fit for Function: Leveraging a community partnership to promote wellness after stroke – Ada Tang

14:50 – 15:30
Panel Q&A

REHABILITATION AND RECOVERY ABSTRACTS ROOM 206

ORAL ABSTRACTS – BRIEF ORAL POSTERS – BRAG & STEAL

Learning objectives:
Upon completion of these presentations, participants will be able to:

• Discuss current and emerging evidence in stroke rehabilitation and recovery.
• Describe application of emerging evidence in clinical practice and patient care.

Moderators: Shaun Boe and Farrell Leibovitch

13:30 – 14:50 Oral abstract presentations

• Late-breaking: Evaluation of a community wellness program, Fit for Function: A randomized clinical trial – Ada Tang
• Late-breaking: NON-invasive Repeated THerapeutic STimulation for Aphasia Recovery (NORTHSTAR): Delayed effects on core language outcomes – Anna Zumbansen
• Diabetes and depression are associated with increased risks of death and dementia in people that sustain a stroke under the age of 65 years – Bradley J. MacIntosh
• Intention to return to work after discharge among stroke rehabilitation inpatients in Ontario – Patrick Duong
• Acute stroke neuroanatomical correlates for swallowing and communication impairments: A voxel-based lesion symptom mapping study – Heather Flowers
• PEI Organized Stroke Care Program: Telestroke rehabilitation – Joan Sullivan
• Predicting stroke outcomes using pre-stroke dynamic connectivity measures – Joseph Nashed
• Predicting language recovery following stroke and speech and language therapy: A systematic review informed individual participant data meta-analysis – Elizabeth Rochon

14:50 – 15:30 Brief Oral Presentations

• Canadian platform for trials in Non-Invasive Brain Stimulation (CanStim): Consensus recommendations for repetitive transcranial magnetic stimulation in upper extremity motor stroke rehabilitation trials – Jodi Edwards
• Comorbid depression and diabetes are associated with increased mortality post-stroke in individuals with atrial fibrillation – Jodi Edwards
• Chronic antidepressant fluoxetine enhances axonal plasticity associated with recovery from post-stroke depression phenotypes – Faranak Vahid-Ansari

Thursday, October 3
Thursday, October 3

13:30 – 15:30  CONCURRENT SESSIONS  LEVEL TWO

REHABILITATION AND RECOVERY ABSTRACTS (continued)  ROOM 206

14:50 – 15:30  Brief Oral Presentations (continued)
• Sex differences in stroke rehabilitation care in Alberta – Eric Tanlaka
• The association between immigration status and stroke care and outcomes: A retrospective cohort study – Manav V. Vyas
• Implementing rehab patient group length of stay benchmarks in an inpatient stroke rehab setting improved quality of care – Sherie Gray
• Promoting leisure participation in older adults with stroke and their caregivers: Usability of a web-based program – Valérie Poulin
• Cumulative impact of comorbid diabetes and depression on death, dementia and functional independence after stroke – Walter Swardfager

15:30 – 15:35  Brag and Steal
• The utility of 24-hour ambulatory blood pressure monitoring in the setting of a stroke rehabilitation unit – Collen Taralson

15:30 – 16:00  REFRESHMENT BREAK WITH EXHIBITORS  PARLIAMENT FOYER

16:00 – 17:00  HNA TYSHYN LECTURE  CANADA HALL 1
THE EVOLUTION OF PAEDIATRIC STROKE IN CANADA AND GLOBALLY

Learning objectives:
Upon completion of this session, participants will be able to:
• Describe the evolution of paediatric stroke care in Canada.
• Discuss current management approaches to paediatric stroke.
• Summarize the impact of paediatric stroke on families and approaches for holistic support of the family unit.

Moderators: Mike Sharma and Patrice Lindsay

Introduction: Adam Kirton

Lecturer: Gabrielle DeVeber

17:00 – 18:30  RECEPTION WITH EXHIBITORS  PARLIAMENT FOYER
Join us to connect with exhibitors and meet fellow participants during the networking reception.

EXHIBIT HALL
1. Pfizer
2. Abbott
3. Allergan
4. Accreditation Canada
5. Ipsen
6. RAPID
7. OES Wellness
8. March of Dimes Canada
9. Stryker
10. Servier
11. Heart & Stroke Foundation
## Program overview

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<td>13:30 – 15:00</td>
<td>Canadian Stroke Consortium Academic Session • [By invitation only]</td>
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<td>Empowering the person with lived experience</td>
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<td>Increasing the clinical utility of the 10-metre and 6-minute walk tests for stroke rehabilitation</td>
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<td>Best practice for behavioural assessments in pre-clinical stroke models: Kinematics, robotics, reaching</td>
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<td>Innovation in stroke care: What do you expect stroke care to look like in the next 5-10 years</td>
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<td><strong>STROKE FEUD: BATTLE OF THE BRAINS</strong></td>
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<td>16:30 – 17:30</td>
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**Friday, October 4**
## NATIONAL STROKE COURSE

### ACUTE STROKE MANAGEMENT

**Learning objectives:**
Upon completion of this course, participants will be able to:
- Discuss current evidence in thrombolysis for ischemic stroke.
- Identify steps to improve patient flow and decrease time delays.

**Moderator:** Brett Graham

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<td><strong>Thrombolysis delivery: Fast and curious</strong> – Aimen Moussaddy</td>
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<td>9:15 – 10:00</td>
<td><strong>Imaging in selection of patients for EVT in view of recent clinical trial – What a non-radiologist should know</strong> – Jai Shankar</td>
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## NATIONAL STROKE COURSE

### STROKE PREVENTION

**Learning objectives:**
Upon completion of this course, participants will be able to:
- Discuss current evidence for stroke risk factors and TIA patients.
- Describe appropriate assessments and management strategies for stroke prevention.

**Moderator:** Thalia Field

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<td><strong>Stroke prevention in patients with heart disease</strong> – David Gladstone</td>
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<tr>
<td>9:15 – 10:00</td>
<td><strong>Early TIA and stroke prevention: What do I order, when do I refer?</strong> – Cheryl Bushnell</td>
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## REHABILITATION AND RECOVERY PLENARY

### ADVANCES IN COGNITIVE REHABILITATION THERAPIES

**Learning objectives:**
Upon completion of this session, participants will be able to:
- Describe best evidence of current cognitive rehabilitation approaches.
- Analyze the benefits of combination cognitive therapies.
- Describe the neural mechanisms underlying executive processes in animal stroke models.

**Moderators:** Numa Dancause and Faranak Vahid-Ansari

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<td><strong>Rehabilitation of cognition post stroke: What is the evidence?</strong> – Gail Eskes</td>
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<td>8:50 – 9:10</td>
<td><strong>Assessing cognition in animal models</strong> – Dale Corbett</td>
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<tr>
<td>9:10 – 9:30</td>
<td><strong>Combining aerobic exercise and cognitive training to enhance fluid intelligence in stroke</strong> – Michelle Ploughman</td>
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10:30 – 12:00 CONCURRENT SESSIONS LEVELS 1 & 2

NATIONAL STROKE COURSE ROOM 205

ACUTE STROKE MANAGEMENT

Learning objectives:
Upon completion of this session, participants will be able to:
• Identify common complications in acute stroke patients.
• Identify treatment options and management approaches for complications and complex patients.

Moderator: Grant Stotts

11:15 – 12:00 Challenging cases – Kanjara Perera

NATIONAL STROKE COURSE ROOM 207

STROKE PREVENTION

Learning objectives:
Upon completion of this course, participants will be able to:
• Discuss current evidence for antiplatelet use following stroke.
• Describe management strategies for stroke prevention in people with cardiac and/or vascular issues.

Moderator: Jennifer Mandzia

10:30 – 11:15 Clarifying antithrombotics in patients with strokes, stents, and/or atrial fibrillation – Thomas Jeerakathil
11:15 – 12:00 Searching for the cause of the stroke in the young - What to do if you find something – Sylvain Lanthier

REHABILITATION AND RECOVERY WORKSHOP ROOM 102

INCREASING THE CLINICAL UTILITY OF THE 10-METRE AND 6-MINUTE WALK TESTS FOR STROKE REHABILITATION
• Nancy Salbach

WALK-WELL WORKSHOP
• Nancy Mayo

This workshop is 40 minutes and will be repeated twice [10:30 – 11:10 and 11:15 – 12:00]

Learning objectives:
Upon completion of this workshop, participants will be able to:
• Describe an evidence-informed clinical approach to using the 10-metre and 6-minute walk tests post-stroke.
• Discuss how the iWalk guide, iWalk video, and iWalkAssess app can help you adopt these approaches in clinical practice [www.iwalkassess.com].
• Identify the benefits of using the iWalk approach to evaluate walking post-stroke across the care continuum.

#StrokeCongress
10:30 – 12:00 CONCURRENT SESSIONS LEVELS 1 & 2

REHABILITATION AND RECOVERY WORKSHOP ROOM 202

FAMILY CAREGIVING AND STROKE RECOVERY

• Jill Cameron
• Trish Pollock

This workshop is 40 minutes and will be repeated twice [10:30 – 11:10 and 11:15 – 12:00]

Learning objectives:
Upon completion of this workshop, participants will be able to:
• Describe caregivers’ roles to support recovery from stroke.
• Discuss strategies to optimize caregivers’ roles to support recovery from stroke.
• Discuss implementation of caregiver support into stroke care systems.

REHABILITATION AND RECOVERY WORKSHOP ROOM 201

INCORPORATING REACTIVE BALANCE CONTROL ASSESSMENT AND TRAINING INTO STROKE REHABILITATION

• Avril Mansfield
• Elizabeth Inness

This workshop is 40 minutes and will be repeated twice [10:30 – 11:10 and 11:15 – 12:00]

Learning objectives:
Upon completion of this workshop, participants will be able to:
• Apply reactive balance control assessment and training into stroke rehabilitation.
• Discuss existing and emerging research related to reactive balance control, its link to fall risk and relevance to stroke rehabilitation.
• Identify reactive balance and perturbation training strategies that can be applied to clinical practice, to target features of reactive balance control linked to fall risk after stroke.

REHABILITATION AND RECOVERY WORKSHOP ROOM 206

BEST PRACTICE FOR BEHAVIOURAL ASSESSMENTS IN PRE-CLINICAL STROKE MODELS: KINEMATICS, ROBOTICS, REACHING

• Numa Dancause
• Greg Silasi

This workshop is 40 minutes and will be repeated twice [10:30 – 11:10 and 11:15 – 12:00]

Learning objectives:
Upon completion of this workshop, participants will be able to:
• Describe how to select a battery of complementary tests to evaluate sensorimotor dysfunction and recovery after stroke in rodent models.
• Recognize new and powerful technologies that can be used to assess behaviour.
• Explain the advantages and disadvantages of various animal models to study recovery after stroke.

#StrokeCongress
STROKE SYSTEMS WORKSHOP

HOT TOPICS TALK SHOW: IS BUNDLED FUNDING APPROPRIATE FOR STROKE CARE?

Learning objectives:
Upon completion of this workshop, participants will be able to:
• Describe bundled funding models for stroke services.
• Identify potential barriers, facilitators, and impact of a bundled funding model for stroke care.

Moderator: Lisa McDonnell

10:30 – 10:50 Bundled payments for stroke care in Canada: Options and opportunities – Jason Sutherland
10:50 – 11:10 Implementing bundled care: Experiences and lessons learned – Elizabeth Linkewich
11:10 – 11:30 Panel Q&A

STROKE SYSTEMS - ORAL ABSTRACTS PRESENTATIONS & BRIEF ORAL POSTERS

Learning objectives:
Upon completion of this session, participants will be able to:
• Recognize unique perspectives of women who experience stroke, and challenges during acute care and recovery.
• Describe innovation and successes in improving stroke systems of care.

Moderators: Trish Helm-Neima and Natalie Gierman

11:30 – 11:40 Oral abstract presentation
• Heart & Stroke women’s needs assessment: System change driven by lived experience – Moira Teed

11:40 – 12:00 Brief oral presentations
• Improved patient outcomes through the Pan-Alberta Door-to-Needle Improvement Initiative – Noreen Kamal
• Acute stroke regional redirection protocol for endovascular treatment: A pilot experience – Grant Stotts
• Provincial Review of Stroke Care in BC: Uncovering the story of stroke care across the province – Sacha Arsenault

12:00 – 13:30 NETWORKING LUNCH PARLIAMENT FOYER
# National Stroke Course: Special Topics in Stroke Management

**Learning Objectives:**
- Discuss current evidence for common issues experienced after stroke.
- Describe approaches to management and support for people experiencing more common challenges following stroke.

**Moderator:** Grant Stotts

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter</th>
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<tbody>
<tr>
<td>13:30-14:00</td>
<td>Can I drive now?</td>
<td>Shawn Marshall</td>
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<tr>
<td>14:00-14:30</td>
<td>Common post-stroke complications and how to manage them</td>
<td>Debbie Timpton</td>
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<tr>
<td>14:30-15:00</td>
<td>Toke and stroke: Where is the smoke? Cannabis and vascular health</td>
<td>Chris Simpson</td>
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# Canadian Stroke Consortium Academic Session - [By Invitation Only]

**Learning Objectives:**
- Apply current evidence to their management of challenging clinical cases.
- Discuss the importance of timely and accurate early stroke assessment.

**Moderator:** Gord Gubitz

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<th>Time</th>
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<tr>
<td>13:30-14:00</td>
<td>Challenging clinical issues in stroke prevention</td>
<td>Peter Rothwell</td>
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<td></td>
<td>Topical issues in hyperacute stroke management</td>
<td>Mohammed Almekhlafi</td>
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# Nursing Plenary

**Learning Objectives:**
- Discuss the benefits of early involvement of patients in their care and recovery to optimize outcomes.
- Appraise current health information quality and use by patients.

**Moderators:** Aline Bourgoin and Andrea de Jong

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<th>Time</th>
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<th>Presenter</th>
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<tbody>
<tr>
<td>13:30-14:15</td>
<td>End PJ Paralysis: The importance of get up, dressed and moving</td>
<td>Paul Wright</td>
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<tr>
<td>14:15-15:00</td>
<td>Caring within a digital health context: A focus on health literacy</td>
<td>Lorie Donnell</td>
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**Wireless Network:** CSC2019AVC  Password: StrokeCongress
Friday, October 4

13:30 – 15:00  CONCURRENT SESSIONS  LEVEL TWO

REHABILITATION AND RECOVERY PLENARY   ROOMS 206 & 208

INNOVATIVE APPROACHES TO MAXIMIZE STROKE REHABILITATION AND RECOVERY

Learning objectives:
Upon completion of this session, participants will be able to:
• Review state-of-the-art innovative approaches to brain stimulation techniques.
• Discuss the benefits of combination therapies to optimize patient outcomes.

Moderators: Anouk Lamontagne and Matilde Balbi

13:30 – 13:45  The state of non-invasive neurostimulation for stroke recovery  – Adam Kirton
13:45 – 14:00  Optogenetic approaches that improve post-stroke recovery  – Diane Lagace
14:00 – 14:15  The application of dance in rehabilitation for people with chronic stroke  – Kara Patterson
14:15 – 14:30  Current evidence for usefulness of tele-rehabilitation post stroke  – Robert Teasel
14:30 – 14:45  What is the potential for combination of therapy with biomedical approaches to improve outcomes? Experience from the CPSR Stroke Rehab Clinical Trial  – Mark Bayley
14:45 – 15:00  Panel Q&A

TRANSFORMATIONS IN SYSTEMS OF STROKE CARE:  ROOM 201

EVT RESEARCH THROUGH TO QUALITY ASSURANCE

Learning objectives:
Upon completion of this session, participants will be able to:
• Describe how patient care can be improved through participation in clinical research trials and quality assurance programs.
• Identify important considerations in implementing a quality assurance program in their local setting.
• Understand the relationship between randomized registries and quality assurance programs.

Moderator: Michael D. Hill

Impact of EVT Trial Participation on Local Systems of Care  – Ruth Whelan
QA for EVT in Stroke  – Karen Earl
Implementing a National QA Project Within an Institution  – Marlène Lapierre
Utilizing QA to Improve EVT Patient Care  – Rick Swartz
Randomized Registries for Clinical Research  – Michael D. Hill

15:00 – 15:30  REFRESHMENT BREAK WITH EXHIBITORS  PARLIAMENT FOYER
Friday, October 4

15:30 – 16:30  PLENARY  CANADA HALL 1

INNOVATION IN STROKE CARE: WHAT DO YOU EXPECT STROKE CARE TO LOOK LIKE IN THE NEXT 5-10 YEARS

Learning objectives:
Upon completion of this session, participants will be able to:

- Describe innovative trends and emerging evidence in stroke care across the continuum.
- Implement evidence-based stroke care recommendations to optimize patient outcomes.

Moderators: Frank Silver and Sean Dukelow

15:30 – 16:00  Prevention  – Peter Rothwell
16:00 – 16:30  Rehabilitation and recovery  – Nick Ward

16:30 – 17:30  STROKE FEUD: BATTLE OF THE BRAINS  CANADA HALL 1

Host: Gord Gubitz

Join us for ‘Stroke Feud’ to cheer on your favorite stroke care colleagues in the ultimate test of their knowledge of current stroke facts and evidence on care processes and outcomes. Answers are based on polling responses of our stroke providers across Canada.
Saturday, October 5

7:30 – 8:00 PRO AND CON

7:30 – 8:00 ACUTE STROKE MANAGEMENT

Be it resolved that tPA should be used in all patients with disabling stroke and a favourable plain CT head, irrespective of the time of stroke onset.

- **Pro:** Michael Hill
- **Con:** Michel Shamy

**Learning objectives:**
Upon completion of this session, participants will be able to:
- Discuss emerging evidence for controversial treatment decisions in acute stroke care.

8:00 – 8:30 STROKE PREVENTION

Be it resolved that anticoagulation for AFib should be offered to otherwise eligible people with a history of intracerebral hemorrhage.

- **Pro:** Ashkan Shoamanesh
- **Con:** Dar Dowlatshahi

**Learning objectives:**
Upon completion of this session, participants will be able to:
- Compare and contrast approaches to controversies in stroke prevention.

8:35 – 10:00 PLENARY

STROKE IN WOMEN: MANAGEMENT CONSIDERATIONS ACROSS THE CONTINUUM OF CARE

**Learning objectives:**
Upon completion of this session, participants will be able to:
- Recognize gaps and inequities in stroke care delivery for women.
- Apply knowledge of issues specific to women experiencing stroke into clinical practice.
- Illustrate the value and benefit of sex and gender based analysis in research design, recruitment, analysis and reporting.

**Moderators:** Kara Nerenberg and Anita Mountain

8:35 – 8:50 Finding my own way – the realities of the continuum of care – a patient’s perspective – Sharon Gilroy-Dreher

8:50 – 9:05 Stroke in women: Acute stroke – Amy Yu

9:05 – 9:20 Prevention – Kara Nerenberg

9:20 – 9:35 Stroke rehabilitation: Unique considerations for women – Anita Mountain

9:35 – 9:50 Women and stroke: Where do we go from here? – Cheryl Bushnell

9:50 – 10:00 Panel Q&A

8:35 – 10:00 CROSS CONTINUUM RESIDENT CARE PRESENTATIONS

CLINICAL DECISION MAKING FOR CHALLENGING CASES

**Moderator:** Gord Gubitz

10:00 – 10:30 REFRESHMENT BREAK
CLOSING PLENARY

Learning objectives:
Upon completion of this session, participants will be able to:
• Discuss emerging evidence for stroke care and recovery across Canada.
• Interpret trends in Canadian healthcare data for stroke processes and outcomes of care.

Moderators: Sean Dukelow and Frank Silver

10:30 – 11:10 Top breakthrough abstracts
• Temporal trends in health outcomes for cardiovascular diseases, stroke and vascular cognitive impairment in Canada – Patrice Lindsay
• Early apixaban treatment after transient ischemic attack and acute ischemic stroke does not result in hemorrhagic transformation – Anas Alrohimi
• Understanding temporal trends in hospitalizations for stroke and vascular cognitive impairment and heart conditions, from 2007 to 2017 – Anne Simard
• Examining Sex Differences in Stroke Recovery Using Robotic and Clinical Assessments – Rachel Hawe

11:10 – 11:25 Impact Award Winner
• The utility-weighted mRS: One size does not fit all – Alexander Rebchuk

11:25 – 11:40 Innovation Award Winner
• Global structural connectivity of the contralesional hemisphere is associated with clinical function in hemiparetic children with perinatal stroke – Brandon Craig

11:40 – 12:00 Closing remarks of the 2019 Canadian Stroke Congress
• Presentation of CIHR Sex- and Gender-Based Analysis Trainee Award

Closing Remarks:
• Anne Simard, Heart & Stroke Foundation
• Mike Sharma, Canadian Stroke Consortium

#StrokeCongress
ACUTE STROKE MANAGEMENT POSTERS

ACU.1 The safety of antithrombotic therapy in pediatric cardioembolic arterial ischemic stroke – Elizabeth Pulcine
ACU.2 The benefit of dysphagia screening in adults with stroke: Evidence from a systematic review – Victoria Sherman
ACU.3 Paramedic/Neurologist communication on-scene to improve DTNT in large community hospital in southwestern Ontario – Stacey Shepley
ACU.4 Microemboli during transcranial Doppler ultrasonography in patients with aneurysmal subarachnoid hemorrhage – Asif Butt
ACU.5 Activity dependent neuroprotection in the acute phase after stroke – Matilde Balbi
ACU.7 Equipoise and the reasons for an RCT: Preliminary results from a systematic review – Brian Dewar
ACU.8 Small centre EVT planning using the RE-Aim Framework – Marie McClelland
ACU.9 Does a standardized emergency triage protocol for stroke patients arriving between 6 and 24 hours improve access to EVT? – Cally Martin
ACU.10 Deferral of consent in ACT QuICR OPTIMISE: An ethics protocol – Michel Shamy
ACU.11 Implementing telestroke services in a rural community – Jackie Murray
ACU.12 Drip-and-ship or mothership for optimal use of endovascular therapy: Real-world evidence from Québec – Laurie Lambert
ACU.13 Cardioembolic etiology is predicted by normal systolic blood pressure during acute ischemic stroke – Margaret Moores
ACU.14 Utility of inpatient transthoracic echocardiograms after acute ischemic stroke – Margaret Moores
ACU.15 Sex differences in knowledge of stroke signs and perceived challenges following stroke and vascular events – Patrice Lindsay
ACU.16 Quality improvement initiatives in hyperacute stroke care – Peterborough Regional Health Centre, HKPR District Stroke Program – Erin McHattie
ACU.17 Aphasia and communication in acute care: Staff and family perspectives – Aura Kagan
ACU.18 Geo-mapping technology to inform timely access to stroke care for patients in rural areas of northwestern Ontario – Ayman Hassan
ACU.19 Use of a pre-hospital large vessel occlusion screening tool in acute stroke by rural emergency medical services providers – Eleanor Morris Rogers
ACU.20 Intravenous tPA in an acute stroke patient with a pericardial effusion: A case report – Ryan Verity
ACU.21 Tic-Toc: Let’s move the tPA clock – Jean Morrow
ACU.22 A case of cerebral venous sinus thrombosis secondary to spontaneous heparin-induced thrombocytopenia – Ginette Moores
ACU.23 Utilization of video-based education to enhance resident physician comfort and performance in acute stroke assessment – Jessica Dawe
ACU.24 Introducing EVT into a smaller Canadian centre – is it safe? – Melanie Penn
ACU.25 EASI-TOC: A trial of acute cervical internal carotid artery stenting during endovascular thrombectomy for anterior circulation stroke – Alexandre Y. Poppe
ACU.26 Danegaptide (ZP1609) enhances gap junctional coupling in astrocytes and reduces ischemic reperfusion brain injury in mice – Moises Freitas-Andrade
ACU.27 Sex-related temporal changes of cerebral blood flow in two mouse models of ischemic stroke – Xavier Toussay
ACU.28 Improving hyperacute stroke care in BC – Katie White
ACU.29 Identification of active cell networks in the motor cortex before and after stroke – Patricia B. de la Tremblaye
ACU.30 Influence of age and sex disparities in processes of acute stroke care on hospital discharge outcome – Richard H. Schwartz
ACU.31 Outcomes of endovascular therapy after interhospital transfer for anterior circulation stroke – Aviraj Deshmukh
ACU.32 Thrombectomy in stroke patients without prior sedation: Frequency of intraprocedural use of analgesia – Grégory Jacquin
ACU.33 Code Stroke: A quality improvement project to improve door to needle times – Amy DeHueck
ACU.34 Improving door-to-needle time for tPA in acute stroke care – Houman Khosravani
ACU.35 Validation of a new scale allowing systematic evaluation of operators’ perception of procedural ease in thrombectomy without prior sedation – Grégory Jacquin
ACU.36 Self-Reported intraprocedural patient comfort during thrombectomy without prior sedation – Grégory Jacquin
ACU.37 Validation of a new scale allowing systematic evaluation of intraprocedural patient comfort during thrombectomy – Grégory Jacquin
ACU.38 Graves disease with stroke secondary to Moyamoya and hypocalcemia – K. Ruth Whelan
ACU.39 Saskatchewan experience with mechanical thrombectomy under general anaesthesia – Amit Persad
ACU.40 Evaluation of the implementation of stroke units: The case of Korle-Bu Teaching Hospital, Ghana – Adriana Appau
ACU.41 Late-breaking: Exploring early cognitive screening in acute stroke practice – Melanie Bourdages
ACU.42 Angiogram negative subarachnoid haemorrhage single-centre experience of 450 patients – Abathar Aladi

Wireless Network: CSC2019AVC  Password: StrokeCongress
**PERSONS WITH LIVED EXPERIENCE OF STROKE POSTERS**

PLE.1 Partnership enables stroke unit patients to give back to peers – Margo Collver
PLE.2 Sharing stroke stories: Creating a community for young stroke survivors to provide a forum for discussion and support in adapting to life after stroke – Sarah Blanchard
PLE.3 WHY 911? Optimizing stroke care in northwestern Ontario – Keli Cristofaro
PLE.4 Patient engagement in guidelines – Andrea de Jong
PLE.5 Engaging Persons with cerebral venous thrombosis for meaningful Outcomes and peER support (EmPOwER) – Vanessa Dizonno
PLE.6 Heart & Stroke online engagement: Collaborative approaches for greater impact – Moira Teed
PLE.7 Evidence-based development of online peer support for caregivers: Co-creating success – Moira Teed
PLE.8 Re-conceptualizing transitions in stroke care from the patient perspective – Katie White

**PREVENTION OF STROKE POSTERS**

PRV.1 Contributions of glutamine-driven oxidative phosphorylation and complex IV plasticity to ischemia tolerance in naked mole rat brain – Hang Chen
PRV.2 Cannabidiol and CYP 2C19: Loss of effect of clopidogrel through the use of cannabidiol? – Alison Lester
PRV.3 AtRial cardiopathy and antithrombotic drugs in prevention after cryptogenic stroke (ARCADIA) randomized trial – Hooman Kamel
PRV.4 Neuroprotective potential of remote ischemic conditioning – Matthew McDonald
PRV.5 Cost-free smoking cessation for patients with transient ischemic attack or stroke: Results of the quit med randomized trial – Sophia Gocan
PRV.6 Associations between markers of left atrial cardiopathy and MRI-derived markers of cerebral small vessel disease and incident cognitive decline/dementia: A systematic review – Zeinab Daham
PRV.7 Carotid stenting without embolic protection devices is safe: A single-center experience – Aviraj Deshmukh
PRV.8 Pattern and localization of ischemic lesions on neuroimaging in patients with atrial fibrillation – Sahar Shafaq
PRV.9 Massive ECG: An end-to-end machine learning system for stroke risk stratification with a massive electrocardiogram database – Shun Liao
PRV.10 Evaluation of the use of CT angiography in the initial assessment of ER patients with TIA at a tertiary stroke centre – Benjamin Wyman
PRV.11 Late-breaking: Total cholesterol: Risk of stroke recurrence among post-stroke patients? – Jacqueline Mota da Silva

**STROKE REHABILITATION AND RECOVERY POSTERS**

RHB.1 Intervention reporting in randomized controlled trials on circuit class therapy for stroke survivors – Jennifer O’Neil
RHB.2 Aerobic Exercise Recommendations to Optimize Best Practices in Care After Stroke (AEROBICS) 2019 Update – Marilyn MacKay-Lyons
RHB.3 Filling the gaps in care: Supporting high risk stroke survivors in the community – Margo Collver
RHB.4 Advancing our rehab model: The designated stroke pod – outcomes after one year – Chris Pollard
RHB.5 Adults with aphasia as change agents: Experiences in advocacy and co-design – Kathy Smith
RHB.6 Sex-dependent requirement of 16p11.2 locus for metabolic response to ischemic stroke – Caitlin Menzies
RHB.7 Risk of falling on an inpatient stroke rehabilitation unit: Is the stroke assessment of fall risk tool the right one to use? – Christine Yang
RHB.8 Gaze behavior while walking and avoiding pedestrians in a virtual community environment – Trineta Bhojwani
RHB.9 Investigating the role of the neuropeptide VGF in post-stroke recovery – Hannah Gillis
RHB.10 Exoskeleton use in post-stroke gait rehabilitation: Perspectives of persons’ post-stroke and physiotherapists – a qualitative study – Julie Vaughan-Graham
RHB.11 University of Alberta certificate in stroke rehabilitation: Providing advanced education through an online graduate level program – Margaret Grant
RHB.12 Factors associated with community versus personal care home discharges after inpatient stroke rehabilitation: The need for a pre-admission predictive model – Sepideh Pooyania
RHB.13 Qualitative study on the perceived ease of use of a stroke rehabilitation knowledge translation website: www.strokengine.ca – Annie Rochette
RHB.14 Predictive value of the AlphaFIM by stroke subtype on rehabilitation outcomes – Lauren M. Mai
RHB.15 Functional near infrared spectroscopy as an assessment of developmental and interventional plasticity in children with perinatal stroke – Alicia Hilderley
RHB.16 Supporting adults with aphasia in the community: A wrap-around approach – Lynda Lennox
RHB.17 Post-stroke behavioural impairment and recovery is contingent on task-specific regionalization of injury – Matthew Jeffers
RHB.18 Temporal recovery of perineuronal nets following stroke – Lydia Kuhl
RHB.19 Investigating the feasibility and clinical efficacy of a rehabilitation exergaming system for upper extremity training of people with stroke – Nahid Norouzi-Gheidari
RHB.20 Bilateral repetitive transcranial magnetic stimulation in acute post-stroke aphasia: Does it stimulate changes in white matter? – Amélie Brossard
RHB.21 Successful implementation of an early supported discharge pilot in a rural setting – Margo Collver
RHB.22 CESN’s journey to recovery after stroke: Lessons learned from implementation on an integrated stroke unit – Alda Tee
RHB.23 Mobility independence: Enabling movement to improve function at home – Eric Heiden
RHB.24 Caring for the stroke caregiver: An effective three-fold peer support group model – Geraldine Venegas
RHB.25 Guideline recommendations for oral care after stroke: A systematic review protocol – Nalia Cecilia Gurgel-Juarez
RHB.26 Innovations to realise rehabilitation intensity excellence in a community hospital setting – Jarrod Prieur
RHB.27 A person-environment focused approach to upper limb spasticity evaluation post-stroke in the acute care setting – Calista Cai
RHB.28 Perception of recovery of stroke survivors and physiotherapists – Tolulope Atama
RHB.29 Persons with aphasia: Perspectives of an aphasia conversation group – Carleen Fisher
RHB.30 RecoverNow: A multicentre phase II randomized controlled trial of early mobile tablet-based speech therapy for acute stroke patients with aphasia – Dar Dollowatshahi
RHB.31 Interdisciplinary gaps analysis of practice standards in stroke – JoAnne Savoie
RHB.32 Muscle strength is associated with cognition in chronic stroke – Kimberley Bennett
RHB.33 Recovery of sensorimotor functional outcomes at discharge from inpatient rehabilitation in three stroke units in the province of Quebec – Carol L. Richards
RHB.34 Upper limb coordination impairments in patients after stroke – Fariba Hasanbarani
RHB.35 Implementing cardiovascular exercise training and education in a community setting to maximize long term functional changes in subacute stroke: A feasibility study – Gabriela Abbud
RHB.36 Assessing the performance of a novel fNIRS device designed to measure motor cortex activity in a clinical setting. Pilot study in healthy adults – Chris Friesen
RHB.37 The Impact of obesity on functional outcome in stroke inpatient rehabilitation: A systematic review – Shannon MacDonald
RHB.38 Reliability of the Basic Outcome Measure Protocol for Aphasia (BOMPA) – Aura Kagan
RHB.39 Exploring sustainability of a task-oriented, community-based exercise program in Canada – Gayatri Aravind
RHB.40 A quality improvement initiative to increase rehabilitation intensity – Julie Savage
RHB.41 Usability and usefulness of the occupational therapy return to driving screen for the mild stroke and transient ischemic attack patient in acute care – April Vander Veen
RHB.42 Experiences of healthcare and recreation staff with implementing a community exercise program incorporating a healthcare-recreation partnership for people with mobility limitations post-stroke in a pilot randomized trial – Nancy Salbach
RHB.43 Tongue pressure training protocol for swallowing impairment post-stroke – Sana Smaoui
RHB.44 Sex differences in cognition post-stroke as a result of exercise: A systematic review and meta-analysis – Shereen Khattab
RHB.45 The clinical utility of cardiopulmonary exercise testing in stroke rehabilitation – Elizabeth Inness
RHB.46 Pediatric stroke and depression: Selecting and implementing a clinically relevant screening tool – Joanne Wincentak
RHB.47 How to pick a measurement tool when the perfect one doesn’t exist – Joanne Wincentak
RHB.48 What are the barriers and facilitators to aerobic exercise implementation in stroke rehabilitation settings? A scoping review – Kevin Moncion
RHB.49 Myelin breakdown is associated with cognitive dysfunction in mild cognitive impairment – Kimberly Bennett
RHB.50 Direct serotonin system stimulation via optogenetics as treatment for post-stroke depression in a mouse model – Min Zhang
RHB.51 Validation of stroke-specific protocols to enhance the clinical utility of the 10-metre walk test and 6-minute walk test in people with acute, subacute, and chronic stroke – Nancy Salbach
RHB.52 The Importance of self-reported outcomes and continued quality improvement: aphasia and communication disabilities program – a program evaluation – Sara Piotrowska
RHB.53 Resveratrol in combination with exercise attenuates post-stroke deconditioning and promotes hind-limb recovery in rats following stroke – Matthew McDonald
RHB.54 Electrophysiological mechanisms underlying visual feedback in prism adaptation – Jasmine R. Aziz
RHB.55 Chronic fluoxetine induces serotonin axonal plasticity in recovery from post-stroke depression in a mouse model – Amin Zahrai
RHB.56 Physician led quality improvement project to enhance delivery of stroke therapy in inpatient rehabilitation – Nicola Hahn
RHB.57 Examining the effect of virtual reality therapy on cognition post-stroke: a systematic review and meta-analysis – Elise Wiley
RHB.58 Voir au-delà du pronostic : Illustration qualitative d’une prise en charge humaniste, Planetree, orientée vers la transdisciplinarité - Gabrielle Paradis
RHB.59 Feasibility of a novel in-patient rehabilitation fitness trail within a comprehensive stroke centre: Empowerment and innovation – Céline Odier
RHB.60 Implementing rapid response nurse visits in southeastern Ontario to improve transitions for stroke patients – Leanna Laing
RHB.61 A quality improvement initiative to increase rehabilitation intensity at a rural integrated district stroke centre – Sonya Silver
RHB.62 ‘Slow Drip’ stress? Working in complex stroke rehabilitation – Samantha Quartarone
RHB.63 Sharing expertise: Recreation therapy interventions for stroke care – Jean Morrow
RHB.64 Investigating sex differences in cerebral blood flow following ischemic stroke – Joanna Raman-Nair
RHB.65 Assessing the structural and functional impact of cerebral microinfarction in mice – Melissa Filadelfi

Poster Presentations

17:00 – 18:30 THURSDAY, OCTOBER 3 CANADA HALL 2
Poster Presentations

RHB.66  Attitude training in chronic stroke survivors: A safety and feasibility study – Liam P. Kelly
RHB.67  French version of the phonological component analysis: Preliminary results with nine participants – Michele Masson-Trottier
RHB.68  Implementation of stroke core competencies education series – Jennifer Haynes
RHB.69  Targeting it right: Characterizing family caregivers at risk for poor mental and physical health – Jill Cameron
RHB.70  Sensorimotor impairments and cortical reorganization in a photothrombosis-induced perinatal stroke model in mice – Sarah Zhang
RHB.71  Dietary behaviour, stress management and depressive symptoms after stroke – Brodie M Sakakibara
RHB.72  Streamlining completion of secondary stroke prevention investigation workup in inpatient stroke rehabilitation: A quality improvement project – Heather MacNeill
RHB.73  FLOW Trial: Fluoxetine to open the critical period time window to improve motor recovery after stroke – Mark Bayley
RHB.74  A novel behavioral task to study the recovery of hand function and the related pattern of muscle activity after stroke in macaque monkeys – Ali Falaki
RHB.75  Optogenetic activation of subventricular zone-derived astrocytes promotes sensorimotor recovery following stroke – Mikaël Ladouceur
RHB.76  Can the Jintronix virtual reality system using a Kinect motion-tracking camera accurately estimate asymmetry in weight bearing? – Lisa Sheehy
RHB.77  Is tailored strength training combined with anodal Tdcs effective in restoring paretic arm function in chronic stroke survivors? A randomized controlled trial – Stephanie Palermis
RHB.78  Home-based virtual reality after discharge from hospital-based stroke rehabilitation: A randomized controlled feasibility trial – Lisa Sheehy
RHB.79  Mental practice for treating upper extremity deficits in individuals with hemiparesis after stroke – Ruth Barclay
RHB.80  Community transitions in outpatient stroke rehab: Co-designed with persons with stroke, caregiver, and community partners – Edith Ng
RHB.81  Framework for the digital engagement and support of people impacted by stroke or vascular cognitive impairment – Gavin Arthur
RHB.82  Implementing a metacognitive strategy-based approach to support persons with stroke and cognitive impairment in inpatient rehabilitation – Elizabeth Linkewich
RHB.83  Improving discharge transitions in inpatient stroke rehab with patient partner – Edith Ng
RHB.84  Medication self-management for patients and families on an inpatient stroke rehabilitation unit – Trudy Taylor
RHB.85  Central East LHIN home and community care stroke pathway – Robert Woskosky
RHB.86  Combinatorial treatment of the neurogliovascular unit in a rat model of focal cortical ischaemia – Johnson Yu
RHB.87  Modelling clinical decision-making referral patterns to home-based or hospital-based stroke outpatient rehabilitation programs in London, Ontario: A prognostic prediction model development study – Jerome Iruthayarajah
RHB.88  Virtual reality interventions versus conventional therapy for upper extremity motor rehabilitation in stroke survivors: A systematic review and meta-analysis – Jerome Iruthayarajah
RHB.89  Maximizing upper-limb rehabilitation for chronic post-stroke patients using a remotely-monitored virtual reality exergame: Preliminary results of a randomized clinical trial – Dehlia Kairy
RHB.90  Using an integrated knowledge translation approach to develop a virtual reality-based training toolkit to enhance community walking in stroke survivors – Anouk Lamontagne
RHB.91  Navigating in the mall as a community environment in healthy young individuals: A visuomotor perspective – Hayati Joshi
RHB.92  How can we make community reintegration following stroke better? Perspectives of primary healthcare professionals and community organization workers – Isabel Gaboury
RHB.93  Enhancing the neurogenic response following stroke in order to promote recovery – Sebastien Denize
RHB.94  Embracing complexity in the development of a community-based exercise transition program for community-dwelling individuals with chronic stroke: results of a scoping review and focus group interviews – Olivia Manning
RHB.95  Personalized training improves upper limb recovery in patients with moderate-to-severe sub-acute stroke – Emre Aygun
RHB.96  Intervention-related factors associated with physical activity maintenance among post-stroke patients: A systematic review, meta-analysis and meta-regression – Muhib Masrur
RHB.97  Development of a smoking cessation educational program for post stroke outpatients in a multidisciplinary rehabilitation setting – Barathi Sreenivasan
RHB.98  Can EMG-EMG coherence control FES devices? – Michael Kelly
RHB.99  Late-breaking: The importance of location: an improved description of post-stroke community ambulation – Kanika Bansal
RHB.100 Late-breaking: Intimacy after stroke: A collaborative, sustainable, iterative approach towards best practice – Nina Hovanec
RHB.101 Late-breaking: Gait adaptation and post-adaptation effects on lower limb movements post stroke – Gianluca U. Sorrento

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**Poster Presentations**

**17:00 – 18:30**  
**THURSDAY, OCTOBER 3**  
**CANADA HALL 2**

### STROKE NURSING POSTERS

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<td>Enhanced oral care and percutaneous endoscopic gastrostomy feeding in stroke patients: Can aspiration pneumonia risk be reduced? – Carla Jomaa</td>
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### STROKE SYSTEMS OF CARE POSTERS

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<td>Developing and implementing key performance indicators for endovascular thrombectomy in Ontario – Shelley Sharp</td>
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<td>Bringing the continuum of stroke care together: West GTA stroke network initiatives showcasing community resources available to stroke survivors in the Mississauga, Halton, and Central West Local Health Integration Networks – Maggie Traetto</td>
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<td>Implementation of a Patient Oriented Discharge Summary (PODS), utilizing a collaborative approach with stroke partners in the Southwestern Ontario Stroke Network – Margo Collier</td>
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<td>Recommendations to optimize the use of thrombectomy for stroke in Québec: A healthcare system perspective – Laurie Lambert</td>
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<td>Endovascular treatment decision in acute stroke: Does physician gender matter? Insights from an international multidisciplinary survey – Nima Kashani</td>
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<td>Time of day and endovascular treatment decision in acute stroke – insights from an international multidisciplinary survey – Johanna Ospel</td>
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<td>A systematic review of the published evaluation tools assessing residents and attendings during on-call activities – François Perreault</td>
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<td>Does the province of Québec need new thrombectomy centres? Guiding principles based on the evidence – Laurie Lambert</td>
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<td>Free resources for health care providers and systems to reduce language barriers to stroke care – Aura Kagan</td>
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<td>A prospective study evaluating use of the Cincinnati Stroke Triage Tool (C-STAT) for large-vessel occlusion detection in the prehospital setting – Ahmed Nehme</td>
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<td>Geographical variations in the decision to proceed with endovascular treatment under “current” and “ideal” practice settings across regions of the world: Results from an international multidisciplinary study – Nima Kashani</td>
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<td>Sex differences in the care needs and survival of stroke survivors admitted to long-term care – Amy Y.X. Yu</td>
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<td>How are stroke experts trained in Canada? An overview of stroke fellowship programs in the country – Alexandre Y. Poppe</td>
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<td>Improving stroke care in Nova Scotia, Canada: A population-based study spanning a decade – Allison Stevens</td>
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<td>Universal access to necessary medications to support brain and heart health – Stephanie Lawrence</td>
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<td>Are we delivering best practice in outpatient rehabilitation programs? – Jocelyn E Harris</td>
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Poster Presentations

17:00 – 18:30    THURSDAY, OCTOBER 3    CANADA HALL 2

SS.35  Adapting the BC Acute Stroke Care Tiers of Service – Katie White
SS.36  Supporting transitions for patients with complex needs: Using a shared care model approach – Tina Sahota
SS.37  The trials and tribulations of developing a stroke recovery clinical trials platform – Mark Bayley
SS.38  Implementation of automated software to support regional access to endovascular therapy in the expanded 6 to 24-hour window – Stefan Pagliuso
SS.39  Effectiveness of post-stroke interventions on access and use of social services and community resources: A systematic review – Katrine Sauvé-Schenk
SS.40  Impact of an optimized inpatient stroke alert process – K. Ruth Whelan
SS.41  Gender disparities in mechanical thrombectomy patients treated at a comprehensive stroke center in Saskatchewan – K. Ruth Whelan
SS.42  Gender disparities in patients ineligible for mechanical thrombectomy transferred to a comprehensive stroke center in Saskatchewan with intention to treat – K. Ruth Whelan
SS.43  Developing a framework to implement stroke best practice-enhancing initiatives – Fatima Quraishi
SS.44  Development, implementation and evaluation of a standards of care tool to support regional adoption of stroke best practices – Fatima Quraishi
SS.45  Streamlining access to endovascular thrombectomy: Using a large vessel occlusion screen in community EDs – Elizabeth Linkewich
SS.46  Exploring the use of emergency medical services and the impacts of mode of transport on emergency stroke care: A study of stroke survivors in British Columbia – Damanpreet Kandola
SS.47  Sustainability of Ontario provincial stroke rounds: Significance of accreditation – Marianne Thornton
SS.48  Quality of care and mortality following stroke in individuals with schizophrenia – Aleksandra Pikula

DIGITAL POSTERS

DOP.1  Equipoise and the justification for RCTs: Stroke researchers, REB Chairs and philosophers weigh-in – Brian Dewar
DOP.2  A delayed modified-ICH score outperforms baseline scoring in acute intracerebral hemorrhage – Ronda Lun
DOP.3  Canadian platform for trials in Non-Invasive Brain Stimulation (CanStim): Consensus recommendations for repetitive transcranial magnetic stimulation in upper extremity motor stroke rehabilitation Trials – Jodi Edwards
DOP.4  Comorbid depression and diabetes are associated with increased mortality post-stroke in individuals with atrial fibrillation – Jodi Edwards
DOP.5  Chronic antidepressant fluoxetine enhances axonal plasticity associated with recovery from post-stroke depression phenotypes – Faranak Vahid-Ansari
DOP.6  Sex differences in stroke rehabilitation care in Alberta – Eric Tanlaka
DOP.7  The association between immigration status and stroke care and outcomes: a retrospective cohort study – Manav V. Vyas
DOP.8  Implementing rehab patient group length of stay benchmarks in an inpatient stroke rehab setting improved quality of care – Sherie Gray
DOP.9  Promoting leisure participation in older adults with stroke and their caregivers: Usability of a web-based program – Valérie Poulin
DOP.10  Cumulative impact of comorbid diabetes and depression on death, dementia and functional independence after stroke – Walter Swardfager
DOP.11  Improved patient outcomes through the Pan-Alberta Door-to-Needle Improvement Initiative – Noreen Kamal
DOP.12  Acute stroke regional redirection protocol for endovascular treatment: A pilot experience – Grant Stotts
DOP.13  Provincial review of stroke care in BC: Uncovering the story of stroke care across the province – Sacha Arsenault

SPEAKER READY ROOM - 2 B/C

- Thursday, October 3    7:30-15:30
- Friday, October 4    7:30-15:30
- Saturday, October 5    7:30-10:30
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