



Goal for the Day

We aim to provide an opportunity for learning, questions, discussion and networking related to the rapidly changing face of hyper-acute stroke care



Today's Objectives

Introduction to the Central South Regional Stroke Network and organized stroke care in Ontario.

- Discuss Hyper-acute stroke management in the new era
- Present and discuss Large Vessel Occlusion Screening Tools
- Action Planning the Implementation of LVO Screening Tools



Objectives for this Talk

- Speak to the global and national impact of Stroke
- Speak to provincial structure of stroke care in Ontario, specifically to the Central South Region
- Discuss the effectiveness of a provincial stroke structure
- Introduce Stroke Distinction 2019





Stroke Worldwide

- 15 million people suffer a stroke each year
- 2nd leading cause of death for people over 60
- 5th leading cause of death in people aged 15-
- 1 in 6 people worldwide will have a stroke in their lifetime

http://www.world-stroke.org/advocacy/world-stroke-campaig

StrokeNetwork

Stroke In Canada

- Someone has a stroke every 9 minutes¹
- 62,000 strokes occur in Canada every year¹
- About 741,800 Canadian adults aged 20+ live with the effects of a stroke²
- On-quarter of Canadians living with stroke are under the age of 65²







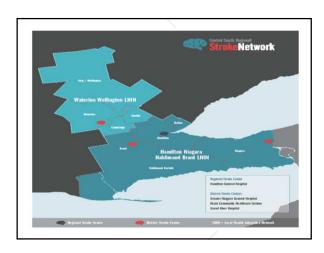
Stroke Care In Ontario

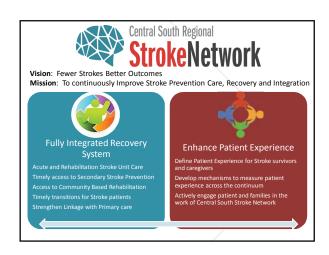
CorHealth Ontario











Time is Brain



For every minute delay in treating a stroke, the average patient loses 1.9 million brain cells

Each minute lost equates to 1 week of healthy life lost





LEARN THE SIGNS OF STROKE



ACT FAST BECAUSE THE QUICKER YOU ACT, THE MORE OF THE PERSON YOU SAVE.

© Heart and Stroke Foundation of Canada, 2014

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Waterloo Wellington FAST Decals



Hamilton FAST Decals

New ambulance decals will help create more stroke survivors



Oct 2018 - Hamilton Paramedic Service and Hamilton Health Sciences have partnered with the Heart and Stroke Foundation to help residents recognize the signs of stroke. To do this, Hamilton ambulances will display "FAST" decals to remind residents of the signs of stroke, and urge them to call 9-1-1 right away if stroke is suspected. "FAST" stands for:

"FAST" stands for:
Face – is it drooping?
Arms – can you raise both?
Speech – is it slurred or jumbled?

Time – to call 9-1-1 right away!



Niagara FAST Decals Niagara Region Region

EFFECT OF A PROVINCIAL STROKE SYSTEM

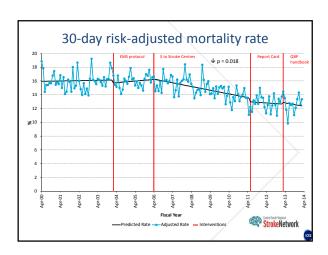


Effect of a provincial system of stroke care delivery on stroke care and outcomes Moira K. Kapral MD MSc, Jiming Fang PhD, Frank L. Silver MD, Ruth Hall PhD, Melissa Stamplecoski BSc, Christina O'Callaghan BAppSc, Jack V. Tu MD PhD ANSTRACT Background Systems of stroke care delivery have been premoted a name of improving the photometric province and send outcomes (See Systems 2005 was associated with a doubt the orferchevens. We asseed the affect province for send outcomes in Ottata Ostace Systems and Systems of Stroke Cyris and Systems of Stroke Cyris and Systems of Stroke Cyris and outcomes (Social Agent Systems of Stroke Cyris and outcomes in Ottata Ostace Systems 2005 was associated with a doubt the orferchevens. We asseed the affect of Systems 2005 was associated with a doubt the orferchevens we asseed the affect of Systems 2005 was associated with a sociated by the stroke of Systems and Systems of Stroke Systems and Systems of Stroke Systems and Systems a

4 Major Policies Implemented

- 1. EMS Redirect protocol
- 2. Provincial implementation of stroke regions
- 3. 1st provincial and 14 LHIN report cards
- 4. QBP Stroke Clinical Handbook released





Hamilton Health Sciences STROKE DISTINCTION 2019

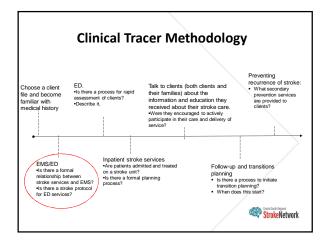
Stroke Services Distinction Program

- Developed to recognize health organizations that demonstrate outstanding commitment to excellence, innovation and leadership in stroke
- Assessment of standards of excellence, in-depth clinical performance measures and protocols



EMMS-Related Standards #### High Prior ity #### 14.2 The team identifies partnerships and collaborates with other service providers and organizations, including surrounding acute care organizations and Emergency Medical Services, to coordinate and plan acute stroke services within the site's boundaries and to provide access to appropriate stroke services for clients. #### 13.1 The team contributes to ongoing education for EMS providers about assessment and management of suspected stroke licents at the pick-up site and during transport. #### 15.2 The team has protocols and memorandums of understanding with EMS providers for direct transport to stroke centres, bypass of smaller centres, use of air ambulance services, and screening tools for suspected stroke clients. #### 15.3 The team has protocols with EMS providers to receive pre-notification of suspected acute stroke clients in transit. ##### 15.4 EMS personnel, emergency departments, and stroke teams use agreed upon triage levels to assign clients with suspected stroke, and use these levels when communicating. ######## 15.5 The ED and stroke team initiate stroke protocols when stroke pre-notification is received from EMS so that suspected stroke clients are received efficiently from EMS personnel when they arrive.

Acute Care Protocols	Inpatient Rehabilitation Protocols
Emergency Medical Services (EMS) stroke screening	Swallowing ability assessment
EMS bypass / direct transport to stroke centres (including air ambulance)	Initial assessment of rehabilitation needs
EMS pre-notification of stroke	Assessing and managing diabetes mellitus (when present
Emergency Department notification of hospital-based stroke team	Pressure ulcer prevention
Neurovascular imaging for potential; stroke patients (rapid access to CT)	Falls prevention
tPA eligibility screening (Based on Canadian Stroke Strategy Canadian Best Practice Recommendations for Stroke Care (2008) criteria)	Formal intake criteria for triaging client referrals and accepting clients for inpatient rehabilitation
tPA administration	
Administering acute ASA therapy	
Swallowing ability assessment	
Initial assessment of rehabilitation needs	
Assessing and managing diabetes mellitus (when present)	
Pressure ulcer prevention	
Falls prevention	
Formal criteria for identifying appropriate clients for referral to inpatient rehabilitation	
	Central South Project StrokeNetwo



Stroke Distinction 2019

- Hamilton Health Sciences achieved Stroke Distinction for Acute and Rehab Stroke Services (2015)
- On-Site Survey scheduled for November 25 and 26, 2019.



Patient Story	Pat	ient	Story	/
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http://hhsshare.ca/2017/06/first-responder-needshelp/



Regional Stroke Website

Please visit <u>www.csnstroke.ca</u> to connect with our team

Meet our Team:

http://www.csnstroke.ca/contact-professional/



References and Acknowledgements

- http://www.world-stroke.org/advocacy/world-stroke-campaign
- http://www.heartandstroke.com/site/c.iklQLcMWJtE/b.3483991/k.34A8/Statistics.htm
- https://www.canada.ca/en/public-health/services/publications/diseasesconditions/stroke-in-canada.html
- Kapral MK, Fang J, Silver FL, Hall R, Stemplecoski M, O'Callaghan C, Tu JV (2013). Effect of a provincial system of stroke care delivery on stroke care outcomes. CMAJ, 185(10), pp.483-91.
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