

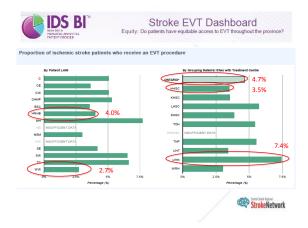
Objectives

- Review Key Metrics related to Endovascular Therapy in Central South Ontario
 - Volumes
 - Treated/Not Treated
 - Patient Characteristics
 - Outcomes



Stroke Endovascular Treatments Volumes

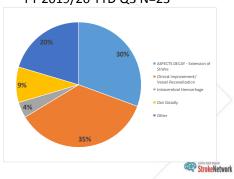
EVT Program Launched Aug. 201 Daytime Hours onl		EVT Program 24/7 Full Regional Implementation	Implementation 6 -24 EVT Planning started Dec. 2019	6 -24 EVT Implementation June 2019 HGH Regional 6 – 24 EVT Fall 2019
2015/ 2016	2016/	2017/	2018/	2019/2020
17 Cases: • 82% HGH Cases • 18% Regional Cases	68 Cases: • 50% HGH Cases • 50% Regional Cases	100 Cases: • 45% HGH Cases • 55% Regiona Cases	• 38% HGH (Cases	114 Cases: Apr. – Dec. FY 19/20 Proj: 152 (ases): 34% HGH Cases 66% Regional Cases



Central South Regional Stroke Network Regional Transferred Cases N=98 Cases

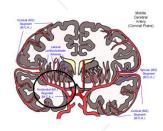


Reasons Regional Stroke Cases not Treated FY 2019/20 YTD Q3 N=23



Who are we Treating?

- Age
 - Average: 71
 - Median: 75
 - Range: 29 99
- Site of Occlusion
 - M1 (56%)
 - Carotid T (25%)
 - Other (19%)





Who are we Treating?

- Percentage treated with tPA
 - 47.4%
- Stable vs. Unstable Cases
 - Stable: 90.4%
 - Unstable: 9.6%







Functional Outcomes

- Patient Presentation
 - Median Admit NIHSS Score: 18

A Level of consciousness	1B Orientation questions (two)	IC Response to commands (two)
alert	0 both correctly	0 both correctly
drowsy	I one correctly	I one correctly
obtunded	2 neither correctly	2 neither correctly
coma/unresponsive		
Gaze	3 Visual fields	4 Facial movements
normal horizontal movements	0 no visual field defect	0 normal
Control grave policy	I partial hemisnopia	I minor facial weakness
complete gaze palsy	2 complete hemianopia	partial fitting weathers."
	3 bilateral hemisnopia	3 complete unilateral pala
Motor function (arm)	6 Motor function (leg)	7 Limb ataxia
no drift	0 no drift	O no ataxia
drift before 10 seconds	I drift before 5 seconds	I ataxia in one limb
falls before 10 seconds	2 falls before 5 seconds	2 ataxis in two limbs
no offers against gravity	and enurs against gravity	
no movement	4 no movement	
Sensory	9 Language	10 Articulation
no sensory loss	0 normal	0 normal
mild exercise loss	I mild sobasis	I mild desorthrin
severe sensory loss	2 severe aphasis	2 severe dysarchro
	o muse or groots! aphasia	
I Extinction or inattention		
absent		

Figure 1 The criteria of NIHSS score in detail.

Abbreviation: NIHSS, National Institutes of Health Scroke Scale.

Functional Outcomes

• Patient Presentation

- Median Discharge NIHSS Score: 4

	•	
IA Level of consciousness	IB Orientation questions (two)	IC Response to commands (two)
0 alert	0 both correctly	0 both correctly
I drowsy	I one correctly	I one correctly
2 obtunded	2 neither correctly	2 neither correctly
3 coma/unresponsive		
2 Gaze	3 Visual fields	4 Facial movements
O normal horizontal movements	O no visual field defect	0 normal
I partial gaze palsy	I partial hemisnopis	I minor festal makeness
2 complete gaze palsy	2 complete heminnopia	2 partial facial weakness
	3 bilateral hemisnopia	3 conquestion in party
5 Motor function (arm)	6 Motor function (leg)	7 Limb ataxia
0 no duite	0 no drift	O no ataxia
1 drift before 10 seconds	I drift before 5 seconds	I ataxia in one limb
2 mms before 10 seconds	2 falls before 5 seconds	2 ataxis in two limbs
3 no effort against gravity	3 no effort against gravity	
4 no movement	4 no movement	
8 Sensory	9 Language	10 Articulation
O SERVICE TORS	0 normal	0 normal
I mild sensory loss	I mild aphasis	I mild dysarthris
2 severe sensory loss	2 severe aphasia	2 severe dysarthria
	3 mute or global aphasis	
II Extinction or inattention		
O absent		
I mild (loss of one sensory modality)		
2 severe (loss of two sensory modalities)		

Figure 1 The criteria of NIHSS score in detail.

Functional Outcomes

Length of Stay

- Median Acute LOS: 3 days

• Discharge Disposition

- Directly Home: 19%

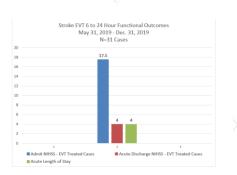
- Acute Repat: 48%

- R,ehabilitation: 18%

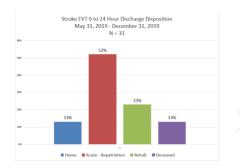
- Deceased/Hospice: 14%













Questions



mcnicolr@hhsc.ca pagliuso@hhsc.ca

