Stroke Alert Door to Needle Improvement

Chinook Regional Hospital

> Emergency Department

29 September 2015

Faculty/Presenter Disclosure

Presenter: Kevin Reedyk

Relationship with Commercial Interest None

Background

Similar to other sites – linear processes
 Data collected and reviewed
 Active Stroke Services team

How to Improve

Data Review
Lessons learned from Trauma and Cardiac Care
Determined need to apply same principles to stroke care

Purpose

Activation which alerts key personnel required for Acute Stroke ED care

Guideline outlines the process of the Stroke Alert and roles and responsibilities of team members

Guideline

Authority to Activate Stroke Alert
Activation Criteria
Stroke Team Members
Process to Activate
Roles and Responsibilities

Authority to Activate

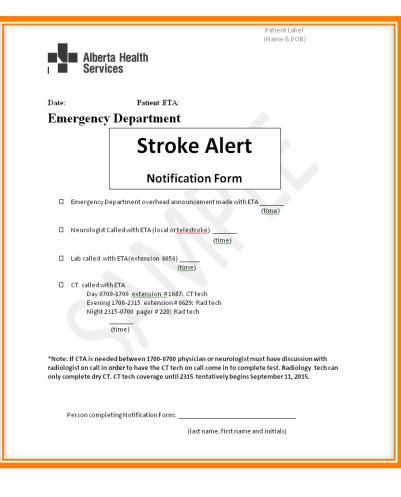
Authority to Activate: ED Triage Nurse

□Activation Criteria: F.A.S.T.

- Stroke Team Members:
 - ED physician
 - Neurologist (Local coverage vs. Calgary via RAAPID)
 - ED RN
 - ED Unit Clerk
 - Lab
 - CT or Rad Tech
 - Radiologist

Activation Process

- 1. ED Triage Nurse notifies Unit Clerk
- 2. Unit Clerk utilizes Stroke Alert Notification Form and calls team members and monitors response times
- First Physician at bedside will perform a brief assessment
- 4. STAT CT and Labs drawn simultaneously
- 5. RN assessment post CT



Roles and Responsibilities

ED Physician

 Team leader until safe handover to Neurologist including consideration of STARS early activation
 Neurology

- Local assumes overall control of care
- Calgary Stroke team assessment via Telestroke, determines disposition, transfers care to local if not transported

Radiologist

- □ Interprets CT/CTA
- Timely communication with team leader to expedite care

Roles and Responsibilities

Nursing

- Timely assessment using Acute Stroke/TIA Management forms
- Provides patient monitoring and care until all interventions are completed in ED

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Roles and Responsibilities

Unit Clerk

- Activates Overhead page of Stroke Alert in ED including ETA
- Initiates calls to team members
- Coordinates communication between team members and sites

Lab Assistants

STAT Lab draws, rapid transport to lab

CT/Rad Tech

- □ CT Tech coverage in house 7:00hr-23:00hr
- Rad Tech 23:00hr-07:00hr
- Extended hours CT Tech to 23:00hr began September 11, 2015

Work to Do

Draft Guideline Developed

What's next?

- Education
- Messaging
- Feedback
- Partner involvement
 - EMS
 - Rural facilities

Summary

Data demonstrates room for improvement

Trauma and Cardiac Care guidelines offer valuable lessons and starting point

 Stroke Alert Guideline developed
 Messaging, Communication and Partner involvement are next steps