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

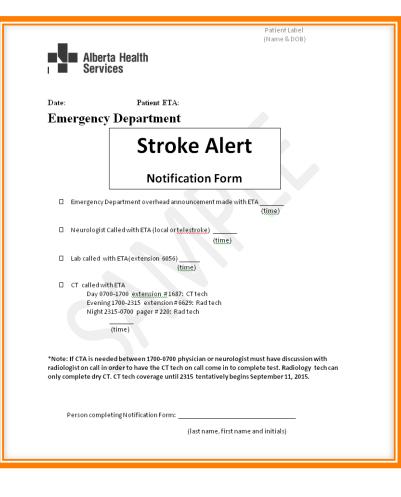
Authority to Activate: ED Triage Nurse

□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