

EMS Education for Stroke Designation



**COLLABORATING FOR SUCCESS
IN THE CAPITAL REGION OF NY**

Presenter Disclosure Information



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FINANCIAL DISCLOSURE:

No relevant financial relationship exists

Who We Are



**SETON
HEALTH**

Caring for body, mind & spirit



**Albany
Medical
Center**



St. Peter's Hospital

A Member of St. Peter's Health Care Services

Ellis
MEDICINE

Bellevue Woman's Center

Ellis Health Center

Ellis Hospital



**Albany Memorial Hospital
Samaritan Hospital**

Northeast Health

Partners

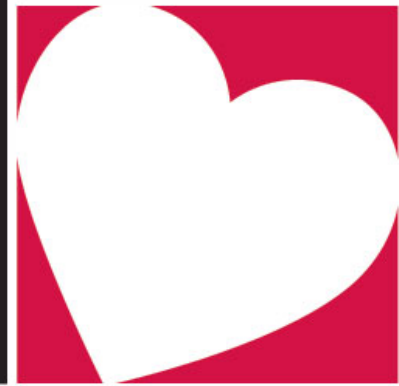


American Heart
Association®

American Stroke
Association®

Learn and Live®

New York State Healthy Heart



BUILDING HEALTHY

COMMUNITIES



The Need



- **Capital Region Stroke Task Force**
- **EMS Education a requirement for Designation**
- **Six Designated Stroke Centers in Capital Region**
- **Task Force receives approval to hold a collaborative EMS training.**

Objectives



- **Pilot a collaborative model for EMS education**
- **Increase attendance to trainings**
- **Increase pre-hospital stroke care knowledge**

Rolling out the Program



- **Partnered with the Regional Emergency Medical Organization**
- **Secured Speakers**
- **CEU for attendees**
- **Free Admission**
- **Evening event with free dinner**
- **Pre and post test for attendees**
- **Pre and post survey of Stroke Coordinators**
- **Offer a second training in the fall 09**

Stroke Coordinator Results



- Satisfied with the planning process of the training
- Satisfied with their financial contribution
- Satisfied with the time commitment
- Satisfied with the presentations and speakers

EMS



- **103 attendees**
- **An overall increase in knowledge**
- **Equal participation paid/volunteer**

Questions

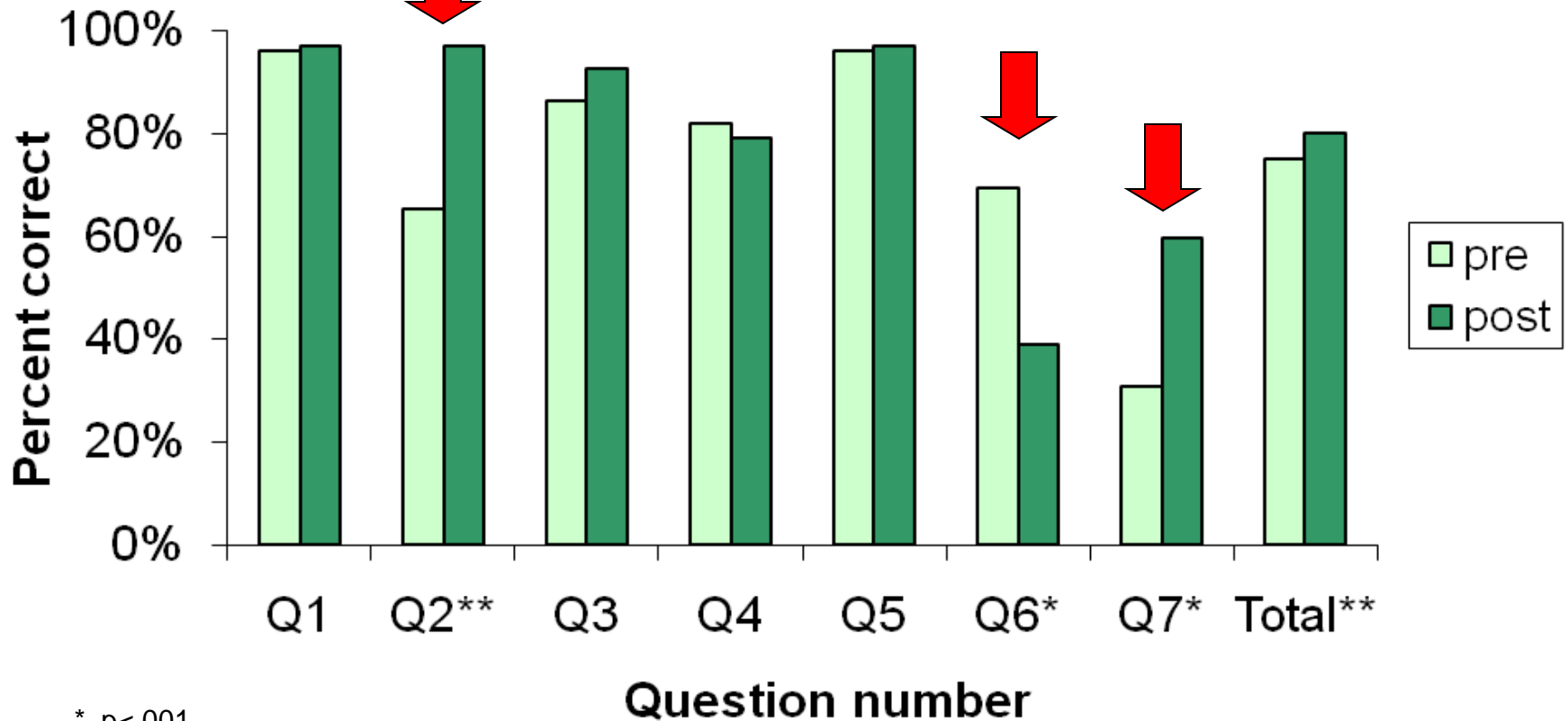


1. Which of the following simple exercises is not a test for stroke?
2. According to current guidelines, what is the maximum allowable elapsed time between onset of symptoms and treatment of stroke with IV thrombolytics?
3. Which of the following factors is one of the components to the evaluation of a patient's eligibility for IV thrombolytics?
4. Circle all of the pre-hospital goal(s) listed below in the management of the acute stroke patient
5. Every ischemic stroke patient who arrives within the specified time window is eligible for treatment with IV thrombolytics.
6. Circle all of the medical condition(s) listed below that may present with symptoms similar to those seen in stroke patients
7. The stroke chain of survival is:

EMS Results Spring 2009



EMS Stroke Education Night Question Scores



* $p < .001$

** $p < .0001$

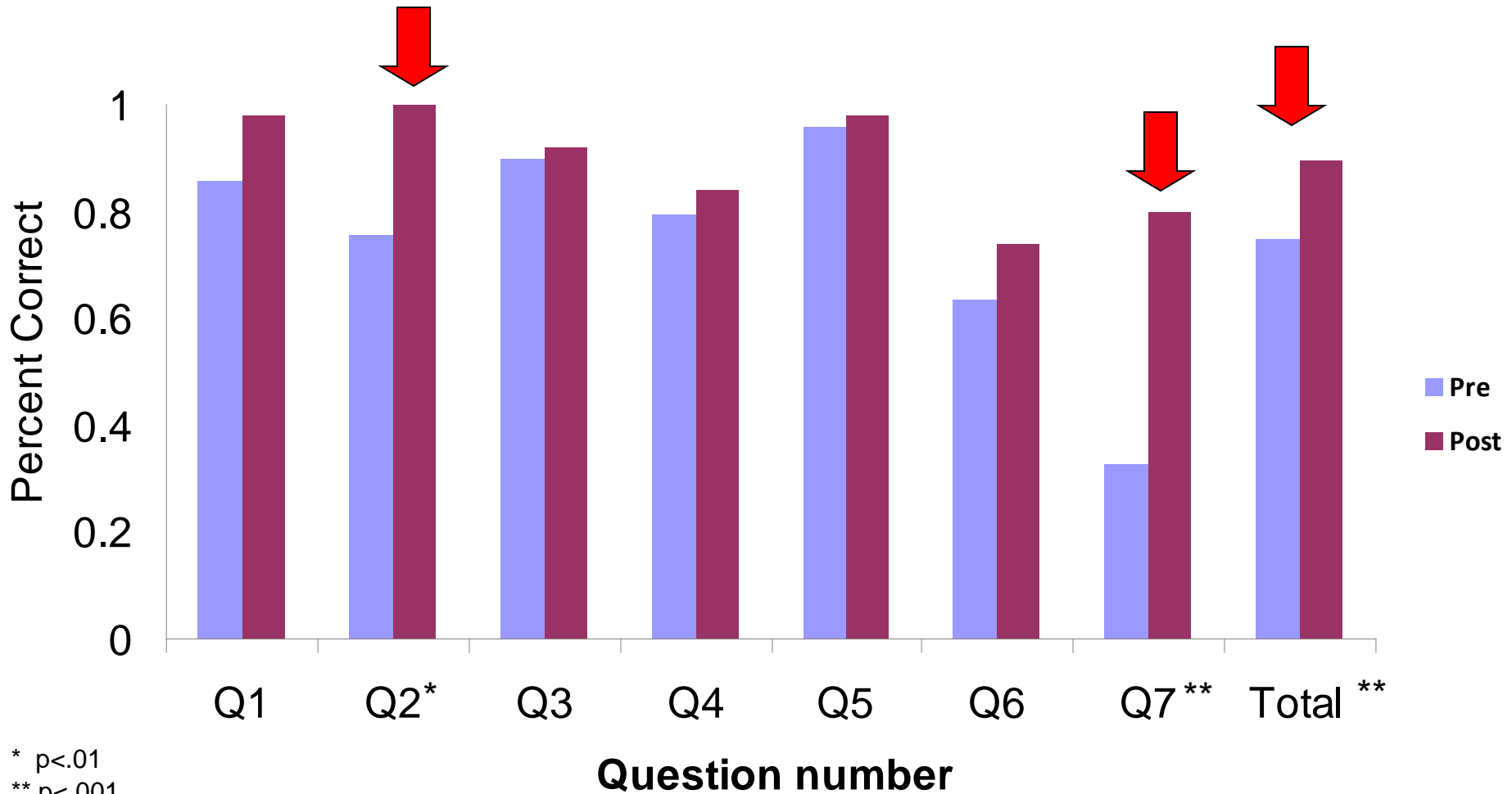


| | Question | % Correct (pre) | %Correct (post) | Change | P Value |
|----|-------------------|-----------------|-----------------|--------|----------|
| Q2 | tPA time frame | 65.3 | 97.0 | +31.7 | P <.0001 |
| Q6 | Stroke Mimics | 69.4 | 38.8 | -30.6 | P <.001 |
| Q7 | Chain of Survival | 30.6 | 59.7 | +29.1 | P <.001 |
| | Total | 75.0 | 80.0 | +5.0 | P <.05 |

EMS Results Fall 2009



EMS Stroke Education Night Question Scores





| | Question | % Correct (pre) | %Correct (post) | Change | P Value |
|----|-------------------|-----------------|-----------------|--------|---------|
| Q2 | tPA time frame | 75.0 | 100.0 | +25.0 | P <.01 |
| Q7 | Chain of Survival | 32.7 | 80.0 | +29.1 | P <.001 |
| | Total | 74.0 | 90.0 | +16.0 | P <.001 |

Conclusions



- **Cross hospital collaboration on EMS education events is a viable solution to meet stroke center EMS education requirements.**
- **Evaluation of programs is key to ensure future buy-in.**
 - Both programs showed an overall increase in knowledge by EMS providers.
 - Stroke coordinators were satisfied with the collaboration process and results.
- **Collaboration leads to increased attendance & resource savings**