



## Emergency Medical Services *Partners*

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[uconnems.uhc.edu](http://uconnems.uhc.edu)

### AMR Crew Brings UCONN Back to Back STEMI's with D2Bs of 22 and 20 Minutes



**American Medical Response** Paramedic Ron Gosselin and his partner James Jehnings, along

with fly car medic Nick Kasheta responded in West Hartford for a 27 year-old with substernal chest pain that began the previous evening when he was playing tennis, and came back during the night. The patient was pale, diaphoretic and hypotensive. They did an immediate ECG which revealed an inferior STEMI. Gosselin then contacted John Dempsey Hospital from the scene with a STEMI Alert, requesting cath lab activation. On arrival at UCONN, they brought the patient directly up to the cath lab still on the EMS stretcher. No sooner had Gosselin and Jehnings Returned to service then they were dispatched to a walk-in clinic for a patient with shortness of breath. When the 12-lead ECG revealed ST elevation in Leads V3 and V4, Gosselin called in a STEMI Alert from the scene. Dr. Robert Fuller immediately activated the cath lab. The amount of early notification that Gosselin provided was key as it enabled the hospital staff to delay a prescheduled cardiac cath procedure, clearing the table for the emergency patient. The Doorto Balloon times were 22 and 20 Minutes. The First Medical Contact (paramedic at patient side) times were 58 and 51 Minutes. Both patients had excellent outcomes, and were discharged home within days. Great job by a great EMS crew!

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#### STEMI Care Keys

1. 12-lead on 1st Contact
2. Provide Early Notification From the Scene.
3. Call a STEMI ALERT with Medical Control

### UCONN Health Center Wins AHA MissionLifeline STEMI AWARD

The American Heart Association has recognized UCONN Health, presenting the hospital with the prestigious Silver Award for excellence in STEMI care.



“We commend UConn Health for this achievement award, which reflects a significant commitment to improve the quality of care for heart attack patients,” said A. Gray Ellrodt, MD, Chair of the Mission: Lifeline committee and Chief of Medicine at the Berkshire Medical Center in Pittsfield, Mass.

This award is testament to the hard work done by our STEMI team: EMS, ED, cardiology/cath lab team, the ICU and cardiac step down staffs, and our hospital administration that has supported our clinical efforts.

Our median door to balloon time in 2013 was 47.5 minutes, The national average is 56 Minutes. 100% of UCONN’s STEMI patients met the national benchmark of D2B of 90 minutes or less. Patients spent less time in both our ED and our cath lab than national averages. Our median D2B time for EMS patients was 42.5 minutes. So far in 2014, the last 16 STEMI's at UCONN have had a D2B of 60 minutes or less. 100% of our 2014 EMS STEMI's have been preactivated thanks to EMS early notification and STEMI Alerts.

*Other Connecticut hospitals receiving Mission Lifeline Silver Recognition: Waterbury Hospital. No Connecticut Hospital received Gold.*

## More STEMI Kudos American Medical

**Response** paramedic John Balint and his partner Walter Jablonski responded in Avon to a pale, diaphoretic, 87 year-old female with a burning chest pain since earlier in the morning, which she thought was caused by Gastroesophageal Reflux Disease (GERD). Balint did a 12-lead ECG, which revealed ST elevation in the lateral and septal leads. When he transmitted the ECG to John Dempsey Hospital, Dr. Heather Sibley read the ECG as it came over the LIFE Net and immediately activated the cardiac cath lab. With 16 minutes lead time, the cath lab team was waiting in the ED when the patient arrived. The patient was brought right up to the lab on the EMS stretcher. 17 Minute Door-to-Balloon Time. 51 Minute First Medical Contact-to-Balloon time.



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## Simsbury Ambulance

paramedic Tom Bascetta and his partners Peter Tedone and Megan Drummey responded in the middle of the night for a 56 year-old male with substernal chest pain X 2 hours. They did a 12-lead ECG that revealed an anteriorlateral ST elevation myocardial infarction. They gave the patient ASA and called in a STEMI Alert to John Dempsey Hospital. Thanks to the early notification Dr. Sasha Gorenbeyn activated the cath lab twenty-two minutes prior to the patient's arrival. The patient did well and was discharged home three days later. 47 Minute Door-to-Balloon Time! 85 Minute First Medical Contact-to-Balloon Time!



## STEMI Cardiac Arrest Save

### Bristol EMS

responded for a 55-year-old male with nonradiating substernal chest pain



When their 12-lead ECG revealed a widespread ST elevation, they transmitted the ECG to John Dempsey Hospital and called in a STEMI Alert, activating the cardiac cath lab prehospitally. This 18 minute lead time on a Friday evening proved crucial in readying the cath lab team. At the hospital, the patient went into cardiac arrest while being placed on the cath lab table. The cath lab team discovered a 100% occlusion to the Right Coronary Artery (RCA) which was successfully stented. When perfusion was restored, the patient regained pulses. 50 Minute Door-to-Balloon Time! In total CPR was done on the cath table for 28 minutes with 9 defibrillations. The patient was discharged home doing great after four days of excellent care. Truly a life saving performance by the EMS/UCONN Health STEMI team.

## UCONN EMS CONTINUING EDUCATION CLASSES WILL RESUME IN THE FALL



### Skills Sessions in October

## Ice Pops Are Back!

It's summer time and ice pops are back in the EMS room. We appreciate your hard work out in the field. Stop by our EMS room next time you are here and enjoy an ice-pop on a hot day.



## CONTACT US:

Any questions or suggestions about EMS? Looking for patient follow-up?



Contact EMS Coordinator Peter Canning at [canning@uchc.edu](mailto:canning@uchc.edu) or call (860) 679-3485.

## UCONN Health Center EMS Web Site

For news, educational information, CME schedule and past copies of our newsletter *Partners*, check out our web site at:

[uconnems.uchc.edu](http://uconnems.uchc.edu)