

June 2016

Neuroscience Network Newsletter

FEATURE STORY

International Presentation – *Assessing the Impact of Care in a Telemedicine- based Stroke Network Using Patient- Centered Health- Related Quality of Life Outcomes*

On May 10, 2016 Dr. Fred Rincon presented an interim analysis of the ongoing JNN multi-center study evaluating the impact of care and quality of life outcomes in our tele-stroke network. Data to date shows a trend toward better HRQoL measurements (PROMIS and NeuroQOL) in IV-TPA-treated patients; study is presently underpowered to detect significant differences. Significant correlation between standard measure of functional outcome (mRS) and HRQoL measures!

Participating hospitals: [Chestnut Hill Hospital](#), [Mercy Fitzgerald](#), [Mercy Philadelphia](#), [Pocono Medical Center](#), [Pottstown Memorial Hospital](#), [Roxborough Memorial Hospital](#), [Shore Medical Center](#).

FEATURE CASE

Patient Presentation: 57 y/o female developed right hemiplegia while getting ready for work. EMS was called and the patient was brought to [Suburban Community Hospital](#). Emergency evaluation and Telestroke consult were completed. NIHSS 7. IV tPA was administered at Suburban Community Hospital and the patient was transferred to Jefferson Hospital for Neuroscience INR Unit for consideration for mechanical thrombectomy.

Neurointervention: CT Angiogram demonstrated an M1 occlusion in the left MCA with a large area of penumbra. Mechanical thrombectomy was performed using the Solitaire Stent device and the thrombus was removed.

Patient Outcome: Patient improved to an NIHSS 2 (facial palsy, right arm weakness) immediately after intervention. Discharged from hospital 4 days after her stroke with NIHSS 0.

Key Takeaways: Ideal example of collaborative treatment for a large vessel occlusion. Because EMS and the healthcare providers at [Suburban Community Hospital](#) and [Jefferson Hospital for Neuroscience](#) all worked together, this patient was able to be discharged home without neurological deficits.

PERFORMANCE IMPROVEMENT

Let us help you improve your Door to Needle Times!

We will evaluate your current process using techniques from LEAN methodology and design a customized implementation plan. If you would like to work together to improve your Door to Needle Times, please contact [Giuliana Labella](mailto:Giuliana.Labella@jefferson.edu) 610.608.7532 or maureen.deprince@jefferson.edu 215.275.9356

EDUCATION

EMS Education Programs- *Book yours today!*

We will provide invitations, physician guest speaker, dinner, and continue education credits all *free of charge*. You just provide the room! If interested in hosting an EMS education session at your hospital please contact [Giuliana Labella](mailto:Giuliana.Labella@jefferson.edu) 610.608.7532 or giuliana.labella@jefferson.edu.

Thanks to all who participated in the JNN Spring Summit

There were 100 registered participants who gained knowledge from expert speakers in various neuroscience disciplines. Four continuing education credits were earned by all participants. Stay tuned for information on our annual *JNN Fall Summit!*

JET PROTOCOL BEST PRACTICES AND TELESTROKE UPDATES

The patient record should be created in StrokeRESPOND and a CT completed before JET consult activation. The robot should be placed outside the patient's room and the primary RN should be available to assist the JET physician with the consult.

Allow us to customize your JET protocol based on your hospital's workflow

Please contact [Giuliana Labella](mailto:Giuliana.Labella@jefferson.edu) 610.608.7532 or giuliana.labella@jefferson.edu to further develop an individualized JET protocol.

JEFFERSON NEUROSCIENCE NETWORK SCORECARD

2016 Utilization and Treatment Rates (January-April)

- **Telestroke Consults: 523**
- **Overall Treatment Rate for JNN: 18%**
- **tPA Recommended: 96 times!**
- **Overall Transfer Rate for JNN: 18%**

The following hospitals have a treatment rate of 15% or greater for Q1 2016 (determined by total # JET consults and # of times tPA was recommended): Chestnut Hill, Inspira Woodbury, Kennedy Cherry Hill, Kennedy Washington Township, Mercy Fitzgerald, Mercy Philadelphia, Suburban Community Hospital, Pottstown Memorial Hospital, Salem County Community Hospital, Shore Medical Center. **Congratulations for outstanding treatment rates!**

StrokeRESPOND TRAINING SITE

We encourage all staff involved in acute stroke alert in the Emergency Department and Inpatient Stroke Alerts to practice entering patient records into the StrokeRESPOND Training Site. Please visit: <https://clinapps-train.intouchcustomer.com> user name: *tjtrain*; password: *password*

TECHNICAL SUPPORT CENTER (TAC)

If technical support is needed for hardware (Robot) or software (StrokeRESPOND) please *contact TAC support at 877.484.9199* 24 hours/day. This number is also located on the face or back of your robot.