Stroke & Neurovascular Center

Stroke Service
CSC
Spozhmy Panezai, MD
Martin Gizzi, MD PhD
Jawad F. Kirmani, MD
Mohammad Moussavi, MD
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Mohammad Moussavi, MD

Neurointerventional Service
Mohammad Moussavi, MD
Jawad F. Kirmani, MD

Neurocritical Care Service
Mohammad Moussavi, MD
Cerebrovascular Program Fellowships

Jawad Kirmani MD

YEAR 1

NEUROCRITICAL CARE FELLOWSHIP

ENDOVASCULAR SURGICAL NEURORADIOLOGY FELLOWSHIP

STROKE RESEARCH/CLINICAL TRIALS FELLOWSHIP

YEAR 2, 3 & 4

CAROTID DOPPLERS/TCD’ S TRAINING

ANGIOGRAPHY VASCULAR FELLOWS

ONGOING CLINICAL AND BASIC SCIENCE RESEARCH

VASCULAR NEUROLOGY FELLOWSHIP
Research: Current Clinical Trials for Stroke

- **DIAS IV:** Desmoteplase in subjects with Acute ischemic stroke (phase III study)

- **Therapy:** The Randomized, Concurrent Controlled Trial to Assess the Penumbra System’s Safety and Effectiveness in the Treatment of Acute Stroke

- **Separator 3D Trials:** A randomized, concurrent controlled trial to assess the safety and effectiveness of the Separator 3D as a component of the Penumbra System in the revascularization of large vessel occlusion in acute ischemic stroke

- **CLEAR III:** Clot Lysis: Evaluating Accelerated Resolution of Intraventricular Hemorrhage (Phase III)

- **ATACH II:** Anti hypertensive Treatment of Acute Cerebral Hemorrhage

- **WEAVE:** Wingspan intracranial stenting for failed medical therapy

- **PENUMBRA COILS:** Use of penumbra coils for intracranial embolization
Transition of Cerebrovascular Program to SNC

Phase I
Manpower & Structural Adjustment

Phase II
Infrastructure

Phase III
Expansion

TIME LINE 2009-2014

Neurosciences Board of Trustees

Public awareness

Federal and State Support

Education

Translational research

Best Medical Practices

Community-based intervention
Coming together is a beginning. Keeping together is progress. Working together is success.

~Henry Ford
Thank You!

The FIRST Stroke Center in the Tri-State Area to be awarded Advanced Certification.
COMPREHENSIVE STROKE PROGRAM OVERVIEW
1958: 1st IV tPA in nation with angiography

1983: NJ’s 1st Brain Trauma Unit

1995: NJ 1st Stroke Unit

1996: NJ’s 1st Biplanar Angiography Suite

1996: NJ’s Stroke Designation Law

2011: 1st Center with 2 Biplanar Neuro-Angiography Suites

2011: NJ-Designated Comprehensive Stroke Center

2011: Initiated NCCU

2012: 1st in Tri-State are to receive JC CSC
JFK Medical Center Stroke Program

- Joint Commission Comprehensive Stroke Center Certification
- AHA/GWTG Gold Plus Award
- AHA/GWTG Stroke Target Honor Roll Award
- Health Grades Stroke Care Excellence Award
  - top stroke hospital in NJ
  - top 5% nationally
- CARF Stroke Accredited
Multidisciplinary Stroke Committee

- Approves CPGs
- Designs tools for implementation and measurement

- EMS
- QI Coordinator
- ED
- Core Stroke Committee
- Private Neurology Staff
- Nursing
- Radiology
- Laboratory
- Case Management
- Social Work
- Rehabilitation
- Pharmacy

- PATIENT

- Assesses compliance with CPGs
- Assesses compliance with Stroke Performance Measures

- Designs tools for implementation and measurement
Acute Stroke Team

Board-Certified Vascular Neurologists

Neurology Residents and Fellows

PATIENT

Board-Certified ED Physicians

Nursing (ED or Stroke Unit)

8hrs of Cerebrovascular CME + NIHSS

8hrs of Cerebrovascular CEU + NIHSS

NIHSS certified; adjunct to attendings
THANK YOU