

Rad Exercise

Trauma Patient-MRC Volunteer



Decontamination



Trauma Team/
Clinical Assessment



Jacobi

- Beds: 457
- Adult Level 1 Trauma
- Burn Center
- Regional Snake Bite Center
- Regions 9 patient Hyperbaric Chamber
- Teaching site for Einstein College of Medicine



Jacobi's Rad Exercise

Date:

- November 14th 2017

Time:

- 9:00 to 12:00pm

Location:

- 1400 Pelham Parkway South, Bronx, NY

Jacobi's Rad Exercise

Scenario:

At approximately 8:00am on Tuesday November 14th, an explosion occurred in the Science Lab at Fordham University. The source of the explosion (set off by accident) is believed to be a bomb created by a Science Student which included a radioactive component, Cesium 137 as per the radioactivity reading from the Fire Department of New York (FDNY) and the initial New York City Police Department (NYPD) investigation. Jacobi Medical Center is expected to receive 20 patients, 5 critical in nature and in need of both decontamination and trauma care.

Modules:

- Notification
- Activation
- Response
 - Clinical Assessments
 - Decontamination
 - Family Reunification

Exercise Objectives

Assess JMC's ability to:

1. Implement internal notification protocols and activate to the appropriate response teams and command staff in response to a Mass Casualty Radiological Event.
2. Secure designated hospital areas for decontamination and treatment of patients that follow radiological and decontamination response guidelines.
3. Follow donning and doffing personal protective equipment procedures for radiological and decontamination incident response.
4. Appropriately conduct patient triage and follow decontamination techniques.
5. Access trauma patients and determine clinical interventions.
6. Activate and support the Family Support Center in response to a Mass Casualty Radiological Event.

Rad Exercise Lessons Learned

- **Communications:**
 - Disaster Bell Activation
 - Activation and all clear were either delayed or not heard in all areas
 - Send Word Now:
 - Communications related malfunction
- **Perimeter Control:**
 - Hospital Police roles and responsibilities
- **Decontamination:**
 - Clean team delay in PPE donning
 - Dirty team hand-off to clean team
- **Trauma/Clinical Assessment:**
 - Need for Trauma Coordinator Role
 - Disaster Nursing Leadership Role
- **Family Reunification**

Importance of Rad Exercise

- Tested:
 - Radiation identification and treatment protocols
 - Decontamination protocols
 - Mass Casualty Protocols
 - Incorporation of new staff response roles
- Engaged with:
 - Clinicians from multiple departments on patient triage and treatment
 - FDNY EMS for patient transport
 - NYC DOHMH to identify necessary resources related to Family Reunification as well as worried well surge inject
- Mobilized and set-up decon staff and equipment with live subjects

- Jacobi Team
- NYC DOHMH
- MRC
- FDNY EMS



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