

# **DEPARTMENT OF INTERNAL MEDICINE**

## **MEDICAL INTENSIVE CARE UNIT (MICU) ELECTIVE**

**Course Dir: Javed Iqbal, MD, MPH, FCCP**

**Duration: 4 Weeks**

### **GOALS**

The goals of the MICU elective is to provide medical students with a suitable background in critical care medicine and outpatient settings.

### **OBJECTIVES**

Medical students are expected to learn:

- Critical care physiology.
- Principles of managing respiratory failure.
- Basic as well as advanced modes of mechanical ventilation.
- Principles of managing various shocks; septic, cardiac, neurogenic, etc.
- Acid-base disorders and its clinical application.
- Manage fluid and electrolyte abnormalities.
- Basics of nutrition supplementation in critical care units.
- Managing neurological disorders.

### **EXPERIENCE**

The experience and knowledge gained during this elective should provide medical students with the background to perform an initial evaluation in the treatment of critically ill patients.

### **DIDACTICS EXPERIENCE**

The student will participate in didactic sessions including grand rounds, journal clubs, and lectures.

### **EVALUATION METHODS**

Clinical observation will be completed mainly by the course director.

### **HOW TO APPLY**

If you are interested in applying, please call 516-572-5399 or visit us at [www.numc.edu](http://www.numc.edu).