



AUGUSTA UNIVERSITY  
**MEDICAL COLLEGE  
OF GEORGIA**

---

Clerkship Procedure Electives

**Course Description:**

The Clerkship Procedure Elective is a two-week clerkship elective offered to MCG Clerkship medical students enrolled in a self-study elective. The goals of this elective course are 1) To allow students to review and practice key skills to promote safer and higher quality procedures during medical training 2) To give students a deep understanding of the risks, benefits and challenges of common invasive procedures and allow for legitimate peripheral participation 3) To help students better function in the role of patient advocate during invasive procedures

**Course Directors:**

***Cara Jones, BSN, RN, CEN, TCRN***

Director of Clinical Procedure Education  
Department of Emergency Medicine  
Medical College of Georgia, Augusta University  
Office: CJ3100, Pavilion III  
Email: [cjones70@augusta.edu](mailto:cjones70@augusta.edu)

***Daniel Kaminstein, MD, M.S.Ed., DTM&H, FACEP***

Professor, Emergency Medicine  
Assistant Dean, Ultrasound Education  
Director of Global Health  
Medical College of Georgia, Augusta University  
Office: CJ3131, Pavilion III  
Email: [dakaminstein@augusta.edu](mailto:dakaminstein@augusta.edu)

**Course Faculty:**

***Matt Lyon, MD, FACEP***

Professor, Emergency Medicine  
Vice Chair, Academic Programs and Research  
Associate Dean, Experiential Learning  
Medical College of Georgia, Augusta University  
Office: CJ3133, Pavilion III  
Email: [mlyon@augusta.edu](mailto:mlyon@augusta.edu)

**Course Offering:**

This elective will be offered to MCG Clerkship students with appropriate faculty approval.

**Course Hours:**

20 hours/week (See Suggested Course Schedule)

## **General Course Objectives:**

At the conclusion of the learner will:

- Demonstrate the ability to perform core procedures of a physician including bag-valve mask, CPR, sterile technique, and venipuncture (2.8)
- Summarize the theoretical and practical components of core bedside and critical care procedures (3.5)
- Utilize current simulation and procedure equipment to engage in deliberate practice (3.2, 3.5)
- Gain a working knowledge of the anatomy, physiology, indications, contraindications, complications, risks and benefits of common emergency and inpatient procedures (2.8)
- Develop an increased understanding of the risks, benefits and anatomical considerations of procedures in the areas of airway, vascular access, key bedside skills, and dysrhythmia management. (4.6, 6.2)
- Integrate feedback and constructive criticism to modify and improve procedural skills (3.4)

## **Overview:**

During the pre-clerkship phase all MCG students receive training on core bedside procedures during throughout the PCL clinical experience curriculum. The nature of clinical clerkship rotations means that exposure to procedures for each student is more varied than during the pre-clerkship curriculum. Given the growing complexity of healthcare students have fewer opportunities to be the primary proceduralist leading complex procedures such as intubation or central line placement.

Allowing students to review and practice key procedures is essential to promote safer and higher quality procedures during training. Even when students are not performing an invasive procedures their knowledge of the appropriate steps can provide greater opportunities for legitimate peripheral participation. As a participant in a procedure during clerkship and enrichment years students can help as both a patient advocate, an assistant or as the primary clinician performing the procedure. The clerkship procedures elective will increase the comfort level of students in each of these roles.

During the clerkship procedure elective students will work asynchronously to review procedure videos in several categories. They will be tested on retention of key concepts from each of the procedures. The videos will cover both common bedside procedures and less common but vital life-saving procedures. At the end of the elective students will be asked to reflect on their experience and think about how they will apply the information during their clinical training in clerkship and enrichment. A hands-on procedure component will allow students to demonstrate their procedural skills using the sim and procedure equipment available on each campus. Students will record themselves performing a subset of procedures that will be reviewed and evaluated by the experiential education faculty.

## **Course Content Outline:**

For each session, review content and videos in session folder and follow instructions on content outline to complete quizzes and assignments. All content is available on the course website.

### Airway

- Laryngoscopy and Tracheal Intubation
- BVM
- Closed Cricothyrotomy
- Open Cricothyrotomy
- Bougie Assisted Intubation

### Vascular Access

- IJ Central Line
- IO Access
- CVA Femoral

### Key Bedside Procedures

- Asepsis training
- NG Tube
- IV placement
- Urinary Catheter placement
- ECG
- Blood Glucose Monitoring

### Invasive Procedures

- Arthrocentesis
- Tube Thoracostomy
- Needle Thoracostomy
- Lumbar Puncture

### Dysrhythmia Management

- AED
- Defib
- Synchronized cardioversion

## **References & Suggested Readings:**

There is not a required textbook for this elective. References and suggested readings are listed on the course website.

**Evaluation:** The learner will be evaluated for the elective in the following categories:

- Cumulative Quiz based on assigned videos and written content - 40%
- Write a reflection essay addressing learning experience during the elective – 20%
  - What specific opportunities for practice and improvement do you want to target during the remainder of your clerkship year and during your enrichment experiences
  - What content did not seem that relevant or could be improved
  - What procedures should be added to the curriculum
- Select and perform any 5 procedures from the list below, record yourself performing them, and upload the videos for submission. You can practice any procedure as many times as you want, but only 5 procedures are required to be recorded and uploaded for this course. For regional campuses you will use sim equipment available at that campus – 40%
  - Peripheral IV
  - Intraosseous insertion
  - Bougie-assisted intubation
  - BVM (Bag-Valve-Mask)
  - Donning/doffing PPE
  - Lumbar puncture
  - Foley insertion (male or female)
  - Central line insertion
  - NG tube insertion

This elective is a pass / fail course. A grade of 70.0 and above is passing.

**Technical Support:**

For technical support issues, you should contact campus IT.

For questions about accessing simulation equipment on each campus please use the contact information listed on the course website.

**Questions:**

For any questions regarding clerkship content or assignments please contact the course directors.

**Policies and Procedures:**

Students are expected to be familiar with and adhere to all MCG Medical Student Policies and Procedures. In addition, just like all other courses, students are held to the standards set forth in the Honor Code.