

# Emergency

# Medicine

# Clerkship

**December 14, 2009 to January 29<sup>th</sup> 2010**

## **INTRODUCTION**

Welcome to your Emergency Medicine clerkship.

Emergency medicine is the medical specialty with the principal mission of evaluating managing treating and preventing unexpected illness and injuries. In Emergency Medicine you will be exposed to all other disciplines. **Emergency Medicine falls under the Department of Surgery, Radiology, Anaesthesia and Intensive care, the head of this wider department is Professor Ivor Crandon. The Medical Director of the Emergency Medicine Division is Dr. Jean Williams-Johnson and the Deputy Medical Director is Dr. Praimanand Singh. The clerkship coordinator for Emergency Medicine is Dr. Jean Williams-Johnson, your other consultants in the department are Dr. Rhonda Hutson, Dr Simone French, Dr. Eric Williams and Dr Nicole Hart.**

Emergency medicine is a specialty with many unique aspects, which makes this clerkship a popular favourite. These include: -

- ❑ A large variety of presenting complaints
- ❑ Being the first one to see a patient, which means being the first to make a diagnosis
- ❑ Opportunity to do a number of procedures
- ❑ Opportunity to function as a real member of a resuscitation team
- ❑ Opportunity for close interaction with consultants
- ❑ Constant ongoing teaching with opportunity to pick up many pearls

Universal precaution must always be practiced, ALWAYS wear gloves, NEVER recap needles.

- ❑ Report any exposure to body fluids especially needle stick injuries immediately to the consultant or senior most doctor on duty.

## **AIMS AND OBJECTIVES**

The medical student having rotated through Emergency Medicine should

1. Describe and demonstrate the principles of cardiopulmonary resuscitation.
2. Demonstrate a structured approach to the management of the victim of multiple trauma
3. Demonstrate their ability to evaluate and manage undifferentiated patients seen in the Emergency Medicine department.
4. Describe the emergency management of patients common conditions according to established protocols
5. Demonstrate competency in common procedures as outlined by the activity card

## **STRUCTURE OF THE CLERKSHIP**

A five-week rotation in the emergency room is organised in order to introduce the discipline of Emergency Medicine. This will include primary exposure to the traumatised patient and to the broad spectrum of medical and surgical emergencies. The department is run on a shift basis and the undergraduate student will be expected to be present during the morning and afternoon shifts. Students will experience at least two weekend shifts to include one 10 pm to 8am shift. The other such experiences are optional.

The first week of the clerkship will be spent mainly in lectures, which will be arranged by a schedule/timetable. This will provide a background for the emergency room experience. The department has formal morning academic sessions, which are scheduled on Mondays, and Wednesdays. Students are welcome to attend these sessions if there is no other activity programmed. As part of the rotation, students will be asked to keep an activity log of important emergency medicine procedural skills e.g. suturing, urethral catheterisation and intubation and resuscitation. By the end of the 5-week clerkship, the student should be able to take a focused history, complete a thorough clinical evaluation and institute a detailed plan for the investigation and management of patients presenting with common emergencies.

Student assessment is conducted during the last week of the clerkship.

A basic list to carry: -

- ❑ Stethoscope
- ❑ Penlight
- ❑ Small note pad to track patients and record important teaching points

## **DRESS CODE AND MORAL/ETHICAL RESPONSIBILITIES**

### **How to dress?**

The dress code will include the wearing of scrubs or professional attire with a white coat (No jeans. No open toe floppy slippers. No sneakers). The student is expected to wear an ID badge at all times.

### **Conduct and Department**

A few general pointers are as follows:

- ❑ Be punctual for hand over rounds, lectures etc
- ❑ Do not be afraid to ask for help.
- ❑ Be thorough in your history and physical examination, presentations should include only the essentials
- ❑ Show an interest in what you are doing

The following pointers are important for record keeping:-

- ❑ **Times** of initial evaluation should be recorded for all entries including all orders, repeat exams, radiology/lab results, and discharge instructions.
- ❑ A resident or a consultant must countersign orders
- ❑ If a patient wants to sign out against medical advice then the consultant or senior doctor on the floor must be informed.

### **Be polite and courteous at all times**

**Academic Schedule Emergency Medicine Clerkship**

**December 14th 2009 to January 29<sup>th</sup> 2010**

	Monday 14 <sup>th</sup>	Tuesday 14 <sup>th</sup>	Wednesday 16 <sup>th</sup>	Thursday 17 <sup>th</sup>	Friday 18 <sup>th</sup>
8:30am	Course Introduction <b>Dr. J. Williams-Johnson</b>  Orientation <b>Dr. Eric Williams</b>	10:30am Airway management Splinting Station <b>Dr. N. Hart</b>	8:00am  Academic Session A&E class room	9:30am – 1pm  Acute MI Pain management <b>Dr. P. Singh</b>	9:30am – 1pm Suture lab <b>Dr. S. French</b>
	9am – 11am BLS review <b>Dr. E. Williams</b>		9:30am – 1pm Basic ECG review Arrhythmia recognition VF/pulseless arrest algorithm <b>Dr. R. Hutson</b>		

**Weeks 2 to 5**

Day	Activity	Time/Venue
Monday 4 <sup>th</sup>	Tutorial – <b>Kristin Cowan</b> <b>Vaginal bleeding in the first Trimester of Pregnancy</b> <b>Dr. S. French</b>	
Tuesday 5 <sup>th</sup>	<b>TEAMS</b>  <b>Dr. J. Williams-Johnson</b>	9:30 am -12 noon A&E classroom
Wednesday 6 <sup>th</sup>	Tutorial – <b>Stefan Coombs</b> <b>Seizures</b> Dr. Eric Williams	9am -10am A&E classroom
Thursday 7 <sup>th</sup>	Tachycardias <b>Dr. Nicole Hart</b>	9am – 11am A&E classroom
Friday 8 <sup>th</sup>	<b>Tutorial – Charlton Collie</b> <b>Syncope</b> Dr. R. Hutson	9am -10am A&E classroom

<b>Day</b>	<b>Activity</b>	<b>Time/Venue</b>
Monday 11 <sup>th</sup>	<b>Tutorial –Dayne Ashman</b> Emergency Room management of Asthma Dr. S. French	9-10am A&E classroom
Tuesday 12 <sup>th</sup>	<b>Tutorial –Laila Azan</b> <b>Radiology related to Emergency Medicine</b> Dr. J. Williams-Johnson	9-10am A&E classroom
Wednesday 13 <sup>th</sup>	<b>Tutorial –Gabrielle Meeks</b> <b>Burns</b> Dr. E. Williams	9-10am A&E classroom
Thursday 14 <sup>th</sup>	<b>Tutorial-Natalie Sharpe</b> Acute Chest Syndrome Dr. P. Singh	9-10am A&E classroom
Friday 15 <sup>th</sup>	Sexual Assault workshop <b>Dr. R. Hutson</b>	9-12pm A&E classroom

<b>Day</b>	<b>Activity</b>	<b>Time/Venue</b>
Monday 18 <sup>th</sup>	<b>Tutorial –Julian Samuel</b> Hyperkalemia Dr. C. Maycock	9-10am A&E classroom
Tuesday 19 <sup>th</sup>	<b>Tutorial –Stefan Coombs</b> <b>Approach to the poisoned patient</b> Dr. J. Williams-Johnson	9-10am A&E classroom
Wednesday 20 <sup>th</sup>	<b>Tutorial –Charlton Collie</b> <b>Fever without a source in children</b> Dr. R. Hutson  Tutorial – <b>Kristin Cowan</b> <b>Approach to the Comatose Patient</b> <b>Dr. Hutson</b>	9-10am A&E classroom
Thursday 21 <sup>st</sup>	<b>Tutorial –Dayne Ashman</b> Acute Headache Dr. P. Singh	9-10am A&E classroom
Friday 22 <sup>nd</sup>	<b>Tutorial –Laila Azan</b> <b>Ocular Emergencies</b> Dr. Espinosa  Tutorial – Ryan Massay <b>Hypertensive Emergencies</b> <b>Dr. Espinosa</b>	9-10am A&E classroom  10:30 – 11:30am A&E Classroom

<b>Day</b>	<b>Activity</b>	<b>Time/Venue</b>
Monday 25 <sup>th</sup>	<b>Tutorial -Gabrielle Meeks Diabetic Emergencies</b> Dr. S. French	9-10am A&E classroom
Tuesday 26 <sup>th</sup>	<b>Tutorial –Natalie Sharpe Acute Abdominal Pain in the Elderly</b> Dr. R. Edwards	9-10am A&E classroom
Wednesday 27 <sup>th</sup>	<b>Tutorial –Julian Samuel Upper GIT Bleed</b> Dr. P. Singh	9-10am A&E classroom
Thursday 28 <sup>th</sup>	<b>Tutorial – Ryan Massay, Acute Pulmonary Embolism</b>	
Friday 29 <sup>th</sup>	Assessment	8am Casualty

### **Required Reading Latest edition**

1. An Introduction to Clinical Emergency Medicine S.V. Mahadevan, Gus M. Garmel
2. First Aid for the Emergency Medicine Clerkship Latha Stead, S. Matthew Stead, Matthew S. Kaufman
3. TEAMS booklet

### **Recommended reading**

1. Emergency Medicine. A comprehensive study guide. Companion handbook. David M. Cline, John Ma, Judith E. Tintinalli, Gabor D.Kelen and J. Stephan Stapczynski
2. In a Page Emergency Medicine Jeffrey M Catino, Scott Kahan.
3. Lecture notes on Emergency Medicine 2<sup>nd</sup> edition. Chris Moulton and David Yates
4. The only ECG book you will ever need Malcolm S. Thaler
5. Emergency medicine an approach to problem solving. Second edition. Hamilton Sander Strange and Trott
6. Emergency Medicine Pearls Adam J. Singer, Jonathan Burstein, Federick Schiavone

### **3. Journals available in the medical library**

1. Emergency Medicine Clinics of North America
2. Journal of Trauma
3. Emergency Medicine Journal
4. European Journal of Emergency Medicine
5. Annals of Emergency Medicine

### **4. Simulated skills stations in the emergency department**

### **5. Websites**

[www.acep.org](http://www.acep.org) American College of Emergency Physicians

[www.saem.org](http://www.saem.org) Society for Academic Emergency Medicine

[www.baem.org.uk](http://www.baem.org.uk) British Association of Emergency Medicine

[www.emra.org](http://www.emra.org) Emergency Residents Association

[www.emedicine.com](http://www.emedicine.com)

[www.blaufuss.org/](http://www.blaufuss.org/)



## **Department Schedule**

**You are to be present at all tutorial sessions, at the end of the clerkship the group leader is to hand in a copy of all the presentations on a CD**

### **Week 1**

Teaching in the morning, after which everyone is expected to remain in the unit until one pm.

### **Week 2**

**8am to 1 pm: and Saturday morning 8am to 3 pm (teaching round at 10 am)**

Ryan Massay, Kristin Cowan, Stefan Coombs, Charlton Collie, Dayne Ashman,

**4pm to 10 pm and Saturday night 10 pm to 8 am**

Laila Azan, Gabrielle Meeks, Natalie Sharpe, Julian Samuel

### **Week 3**

**8am to 1 pm: and Saturday morning 8am to 3 pm (teaching round at 10am)**

Laila Azan, Gabrielle Meeks, Natalie Sharpe, Julian Samuel

**4pm to 10 pm: and Saturday night 10 pm to 8 am**

Ryan Massay, Kristin Cowan, Stefan Coombs, Charlton Collie, Dayne Ashman

### **Week 4**

**8am to 1 pm:**

Ryan Massay, Kristin Cowan, Stefan Coombs, Charlton Collie, Dayne Ashman

**4pm to 10 pm**

Laila Azan, Gabrielle Meeks, Natalie Sharpe, Julian Samuel

### **Week 5**

**8am to 1 pm:**

Laila Azan, Gabrielle Meeks, Natalie Sharpe, Julian Samuel

**4pm to 10 pm:**

Ryan Massay, Kristin Cowan, Stefan Coombs, Charlton Collie, Dayne Ashman

## **ASSESSMENT**

### **Student assessment**

To be applied at the end of the five week period

Multiple Choice questions      40%

OSCE      35%

Student presentations      10%

Completion of procedural card    10 %

Attendance      5%

### **Student assessment of Clerkship**