MED 897J: VA Cardiology & EKG

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BLOCK	#	BLOCK	#	BLOCK	#	BLOCK	#
Block 1A	1	Block 3A	1	Block 5A	1	Block 7A	1
Block 1B	1	Block 3B	1	Block 5B	1	Block 7B	1
Block 1C	1	Block 3C	1	Block 5C	1	Block 7C	1
Block 2A	1	Block 4A	1	Block 6A	1	Block 8A	1
Block 2B	1	Block 4B	1	Block 6B	1	Block 8B	1
Block 2C	1	Block 4C	1	Block 6C	1	Block 8C	1

COURSE DESCRIPTION:
This course will teach the students all aspects of EKGs from how to obtain an EKG to how to interpret them. They will be exposed to Cardiology consults at the VA and will round with the Cardiology Consult fellow and attending on weekdays. **Active VA logins and codes are required before starting rotation. The student will be expected to show initiative and be an active learner**.

LEARNING GOALS & OBJECTIVES: At the completion of this clinical rotation students should be able to do the following:
1. Demonstrate position of leads and perform an EKG. (MK5, PL2)
2. Define waves and intervals on an EKG. (MK1, MK5)
3. Discuss basics rhythms on EKG and have a general idea about treating common rhythm disorders. (MK1, MK5, MK8, PC3)
4. Identify ST segment alterations on an EKG and know the differential diagnosis for the abnormality. (MK1, MK5, PC1, PC2)
5. Define the basic treatments for ST segment elevation MI (STEMI) and non ST segment elevation MI (NSTEMI). (MK5, PC3)
6. Correlate EKG findings with patients in clinic and consult environment (MK5, PC1, CS4)

INSTRUCTIONAL METHODOLOGIES & ROTATION ACTIVITIES: Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:
1. Students will perform a few elective EKGs daily with the technician. They will position leads appropriately and do EKGs and troubleshoot the EKG machine. They will also be taught to identify EKG waves and intervals.
2. EKG didactic teaching will be done daily at the VA. They will be advised about self-learning EKG modules.
3. Students will attend all VA morning reports. They will also be expected to attend all Cardiology AM conferences during the rotation.
4. They will attend the VA cardiology clinic on Tuesdays (half day) and evaluate patients and their EKGs in an ambulatory setting.
5. They will learn about the basic pharmacology and applications of Adenosine, Digoxin, beta blockers, calcium channel blockers and Class1-4 antiarrhythmic drugs.

PATIENT ENCOUNTERS: Students will be expected to work-up patients with these specified conditions:
1. Cardiac chest pain
2. Atrial Fibrillation/Atrial Flutter
3. Other arrhythmias
4. Valvular heart disease

EVALUATION / FEEDBACK METHODS: Students will be evaluated using the following methods:
1. E*Value Clinical Performance Evaluation.
2. Direct observation of patient care skills by the attending physician, fellows, and residents on service.
3. Attending physicians and fellows will provide the students with a verbal evaluation at the end of the rotation.
4. EKG interpretive skills will be evaluated on an ongoing basis by the fellows and attendings.
5. Competency and professionalism will be assessed by the supervising technician/nurse and fellow/attending.
6. Weekly reading home assignments will be given and assessed regularly.
7. Students will be expected to keep a log of their EKG readings and will be encouraged to make a personal library of interesting EKG tracings.

Will students be expected to participate in call? ☐ YES ☒ NO