

# Keck School of Medicine of USC

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## Anesthesiology

The Department of Anesthesiology

Invites 4<sup>th</sup> Year Medical Students

For a Two-Week Anesthesiology

Virtual Rotation

**November 30 - December 11, 2020**

If interested, please apply through VSLO.

# Keck School of Medicine of USC - Course Catalog - 2020-2021

## Anesthesiology : Anesthesiology-503E - Advanced Anesthesiology Overview: Virtual Rotation

Course Type	Elective
Prerequisites:	
Restriction days:	21
Keywords:	
Course Objectives:	
Department	Anesthesiology
Applications accepted beginning	October -November
Special application instructions	
Location	Virtual Keck Hospital of USC
Director	Eugenia Ayrian, MD
Director Phone	323-865-1084
Director Email	Eayrian@med.usc.edu
Coordinator	Caroline Caldwell
Coordinator Phone	323-865-1084
Coordinator Email	Caroline.Caldwell@med.usc.edu
Report to	Online access instructions will be provided when students are approved for the elective.
Reporting Instructions	
Accepts Visiting Students	Yes
Description	<p>Students will primarily receive their education through online learning. It will consist of the following activities:</p> <ol style="list-style-type: none"> <li>1. Daily core lectures by attending anesthesiologists/senior residents.</li> <li>2. Daily didactic activities lead by attendings/senior residents.</li> <li>3. Virtual attendance of presentation assignment by USC medical students on the clinical rotation. Each student will present a patient undergoing surgical procedure under anesthesia: preoperative evaluation, induction, maintenance, extubation, transfer to PACU/ICU, postoperative follow up.</li> <li>4. Weekly Grand Rounds for Anesthesiology residents.</li> <li>5. Online participation in simulation center education.</li> <li>6. Online video presentations on procedures related to anesthesiology (intubation, IV placement, arterial line placement, nasogastric tube placement).</li> <li>7. Supplemental learning material for the airway management.</li> <li>8. Presentations on: Anesthesiology residency at USC, Medical students experience on USC anesthesiology rotation.</li> </ol>

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**Anesthesiology-503E continued. . .**

Description cont.	Presentation assignments 1. Presentation of one anesthesiology-related topic of student's choice to a supervising faculty.
Objectives	1. Describe the elements of a preoperative evaluation. 2. Describe how to conduct an airway evaluation. 3. Discuss the mechanisms, benefits and risks of drugs commonly utilized in anesthesiology. 4. Identify important medical conditions that may cause difficulties for the anesthesiologist. 5. Discuss the consultative role of anesthesiologists. 6. Describe the key features of ventilation/intubation, induction of anesthesia, placement of intravenous and arterial lines, regional anesthetic techniques. 7. Discuss intraoperative anesthetic management including monitoring, fluid management and pain control. 8. Discuss the plan on emergence from anesthesia, pain control and prevention of post-operative nausea and vomiting. 9. Describe a transfer of care protocol to PACU/ICU physician and RN. 10. Describe basic postoperative follow up by anesthesiologists. 11. Describe key features of the USC residency program in anesthesiology.
Instruction	
Supervision	80% Faculty 20% Residents
Evaluation	EVALUATION 1. Students will be evaluated by the faculty/director of the course at the end of rotation. The evaluations will be based on a. Written examination – 60% b. Professionalism: Attendance at daily zoom discussions and Grand Rounds -20% c. Demonstration of fundamental understanding of basic intraoperative anesthetic management by active participation in the discussions – 10% d. Presentation assignment – 10% e. Students who have problems will be counseled as needed