**Stony Brook Anesthesiology**

**Resident Curriculum**

**Program Director: Joy Schabel, M.D.**

**PGY-1s: Michelle Delemos, M.D.**

**CA-1-3s: Ana Costa, M.D.**

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**Introduction:**

Welcome to the 2021-2022 academic year.

This curriculum is a comprehensive listing of all the scheduled learning activities for the PGY-1 orientation, and the CA-1 – CA-3 residents curriculum at the Stony Brook Anesthesiology residency.

 This is given out at the beginning of the year so everyone can plan ahead – residents (what to read, prepare for lectures) and faculty (when they’re teaching, so they can plan vacations, non-clinical days, and call schedules).

 Study ahead of time! Much better to arrive at a lecture *having already read* about the subject. You’ll absorb a lot more if you’re “hearing it for the second time” rather than showing up ice cold and “hearing everything for the first time”.

 Best of luck to all faculty members and residents in 2021-2022.

**Components of the Educational Program**

 **Wednesday 8:00 A.M. – 4:00 P.M. Sessions**

This is the single biggest chunk of educational time, so we’ll explain this first. This will be a combination of didactics, problem based learning discussion, mock orals, and some simulation. Topics are listed so, again, *read the topics ahead of time*, so when you show up, you can bring your questions or things you’re uncertain about.

**Dental Anesthesia Residents attend all CA-1 and CA-2 resident lectures.**

 **DA-2’s attend CA-1 Lectures ( except when indicated otherwise )**

 **DA-3’s attend CA-2 Lectures ( except when indicated otherwise )**

 **Wednesday 7:00 AM – 8:00 AM Grand Rounds**

This Grand Rounds session will consist of Visiting Professors, QA sessions, Senior Presentations. At times, there will be a Faculty Meeting, on those days, residents will attend Chiefs Meetings.

 **Mock Orals**

All CA residents are given Mock Orals throughout the year. Most sessions are given on Tuesdays or according to the examiners schedule for that week.

 **Evaluations**

You will get an evaluation for each rotation, learning activity and faculty.

Please complete them promptly.

 **Documentation**

We will ask for a lot of documentation, please keep current (you can always check with Joan Claeson with all your paperwork/physical exams/updates/ACLS certification).

**FACULTY CONTACTS**

**E D U C A T I O N**

**CBY**

Michelle Delemos, M.D.

**CA-1 Basic Exam Tutorials**

Ramon Abola, M.D.

**Mock Orals**

**Q.A.**

Ramon Abola, M.D.

**Lecture Schedules**

Ana Costa, M.D.

**Journal Club**

Ursula Landman, D.O.

Eric Zabirowicz, M.D.

Anna Kogan, D.O

**Machine / Technology**

Daryn Moller, M.D.

**Wellness / Substance Abuse**

Robert Moore, M.D.

**Clinical Competency Committee**

Anna Kogan, D.O.

**Residents as Teachers Curriculum**

Joy Schabel, M.D.

**Curriculum Updates**

Ana Costa, M.D.

**Special Events & Resident Coverage**

Joy Schabel, M.D

**Simulation Education**

Thomas Corrado, M.D.

Vahe Tateosian, M.D.

**ITE and Board Exam Prep**

Shaji Poovathoor, M.D.

**Wednesday Keywords**

Anna Kogan, D.O.

**Education Leaders by Rotation**

**Advanced Clinical** Christopher Gidicsin, M.D.

**Acute Pain** Anna Kogan, D.O.

**AMB-R** Sherwin Park, M.D.

**Cardiac** Jeremy Poppers, M.D.

**Chronic Pain** Amit Kaushal, M.D.

**CTICU** Jonathon Schwartz, M.D.

**General** Meng Wang, M.D. and

 Leslie Bennici, M.D.

**Neuro** Anna Kogan, D.O.

**Night Float** Adrian Fischl, M.D.

**OB / Gyn** Tiffany Angelo, D.O.

**Off-Site** Amruta Desai, D.O.

**Ortho/Plastics** Syed Azim, M.D.

**PACU** Eric Zabirowicz, M.D.

**Peds** Vahe Tateosian, M.D.

**POS** Deborah Richman, MBChB

**VA** Joseph Conrad, M.D.

**CLINICAL SCHEDULES**

**Block Schedule**

Eleanor Romano, D.O.

**Daily OR Assignments**

Anesthesia Coordinator

**D O C U M E N T A T I O N**

**New Innovations / Case Logs**

Joan Claeson

**Duty Hours**

Joan Claeson

**Mentor Program**

Michelle Delemos, M.D.

**CA-1 ORIENTATION SCHEDULED**

**2021**

**May 18 ( HSC, L-3, Classroom 171 )**

8:00 – 9:00 Review of Introductory Program Joy Schabel, M.D.

 9:00 – 9:15 Duty Hours Joan Claeson

 9:15 – 9:30 Pharmacy Stella Wieckowski

 9:30 – 10:00 Anesthesia Techs Josephine Pace

10:00 – 11:00 Wellness Seminar I: Joy Schabel, M.D.

 Depression, Burnout and Fatigue

10:00 – 10:15 ( Employee Assistance Program ) Marsha Tanenberg-Karant, M.D.

 Lucian Manu, M.D.

 Department of Psychiatry

11:00 – 12:00 **LUNCH**

12:00 – 2:30 Hemochron (ACT), HemoCue Laura Holst

 and Glucose Training

 2:30 – 3:30 Meet the Chiefs – Case Logs: How to Log Cases and Complete Evaluations,

 and Lockers

 3:30 – 4:30 Room Setup & How to do a preop and post-op – Session I ( OR )

 Richard Tenure, M.D.

 Ravi Shah, M.D.

**May 19 ( HSC, L-3, Classroom 152 )**

 7:00 – 8:00 Room Setup & How to do a preop and postop – Session II ( OR )

 Richard Tenure, M.D.

 Ravi Shah, M.D.

 Adam Taft, M.D.

 8:00 – 9:00 Observe a case start

 10:00 – 11:30 Anesthesia Application Training Lillian Valdez

 11:30 – 12:00 LUNCH

 12:00 – 1:00 Anesthetic Machine Lecture Daryn Moller, M.D.

 1:00 – 2:00 Into to the Anesthesia Machine Daryn Moller, M.D.

 2:00 – 4:00 AKT-1 Pre Test

 HSC Library, Level 3, Room 149

 4:00 – 5:00 Do preops and contact Preceptor

**The** **core clinical competencies** are abbreviated as follows throughout this document.

**Medical Knowledge – MK**

**Patient Care – PC**

**Systems-based Practice – SBP**

**Interpersonal and Communication Skills – IPC**

**Professionalism – P**

**Practice-based Learning and Improvement – PBLI**

**The CLER focus areas are abbreviated as follows throughout this document:**

**Patient Safety *PS***

**Quality Improvement *QI***

**Transitions in Care *TC***

**Professionalism *PF***

**Fatigue Management *FM***

**Supervision *SV***

**LECTURES for Incoming CA-residents**

**May - July 2021**

**\* \* Goals and Objectives for Each Lecture are Listed in CA-1 Introductory Booklet**

May 18 8:00 – 4:00 P.M. Orientation Dr. Schabel

 **HSC, L-3, 071**

May 19 12:00 – 12:45 P.M. Intro to the Anesthesia Machine (Teams lecture)**SBP,MK,** Dr. Moller

 **HSC, L-3, 152**

 12:45 – 1:30 P.M. Intro to the Anesthesia Machine in the OR Dr. Moller

 Ahn, Cuenca, Daksla, Hafeman, Jin, Lee, C., Nguyen, Vic. ,

 1:30 – 2:00 P.M. Intro to the Anesthesia Machine in the OR **SBP,MK,PC** Dr. Moller

 Rismany, Zhang, Zhu, Nguyen, Vy, Kim, J., Key, Simms

May 20 11:30 – 12:30 P.M. Airway Management **PC, MK** */PS* Dr. Oleszak

 **HSC, L-3, 159**

May 21 11:30 – 12:30 P.M. Daily Schedule, Patient Transfers/Handoffs, Postops Dr. Probst

 and Preops **MK,PC,IPC,PBLI*/****TC,PF* **HSC, L-3, 159**

May 24 11:30 – 12:30 P.M. Neuromuscular blockers **MK, PC,PBLI** Dr. Azim

 **HSC, L-3, 159**

 4:00 – 5:00 P.M. Simulator Session Dr. Tateosian

 **PC,MK,SBP**,**IPC,P,PBLI**, *PS,QI,TC,PF,SV* Dr. Corrado

 Ahn, Cuenca, Daksla, Hafeman, Jin, Lee, C., Nguyen, Vic.

May 25 11:30 – 12:30 P.M. Preop Assessment **SBP, MK, PC***/PF* Dr. Richman

 May 26 11:30 – 12:30 P.M. Positioning and Risks **MK, PC, IPC, PBLI**I/TC, PF

 4:00 – 5:00 P.M. Simulator Session Dr. Tateosian

 **PC,MK,SBP**,**IPC,P,PBLI**, *PS,QI,TC,PF,SV* Dr. Corrado

 Rismany, Zhang, Zhu, Nguyen, Vy, Kim, J., Key, Simms

May 27 **PALS**

May 28 **PALS**

**May 31 MEMORIAL DAY – NO LECTURES**

June 1 12:30 – 1:30 P.M. Fluid and Blood Therapy **MK,PC***/PS* Dr. Costa

June 2 11:30 – 1:30 P.M. Respiratory Physiology and **MK, PC, PBLI** Dr. Vitkun

 Inhaled Agent Pharmacology

 4:00 – 5:00 P.M. Simulator Session

 **PC,MK,SBP**,**IPC,P,PBLI**, *PS,QI,TC,PF,SV* Dr. Tateosian

 Ahn, Cuenca, Daksla, Hafeman, Jin, Lee, C., Nguyen, Vic. Dr. Corrado

June 3 11:30 – 12:30 P.M. Professionalism I **P/***P* Dr. Saunders

June 4 11:30 – 12:30 P.M. Monitoring an Equipment Dr. Moller

June 7 11:30 – 12:30 P.M Pharmacology of IV Agents **MC,PC/***PS* Dr. Fischl

 4:00 – 5:00 P.M. Simulator Session Dr. Tateosian

 **PC,MK,SBP**,**IPC,P,PBLI**, *PS,QI,TC,PF,SV* Dr. Corrado

 Rismany, Zhang, Zhu, Nguyen, Vy, Kim, J., Key, Simms

June 8 11:30 – 12:30 P.M. Professionalism II **P/***PF* Dr. Schabel

. Residents as Teachers: Teaching of Medical Students Dr. Schabel

 **PBLI,P**

 4:00 – 5:00 P.M. Simulator Session Dr. Tateosian

 **PC,MK,SBP**,**IPC,P,PBLI**, *PS,QI,TC,PF,SV* Dr. Corrado

 Ahn, Cuenca, Daksla, Hafeman, Jin, Lee, C., Nguyen, Vic.

June 9 11:30- 2:30 P.M. CBY In Review Dr. De Lemos

June 10 11:30 – 12:30 P.M. Pharmacology of Opioids **MK, PC***/PS* Dr. Vitkun

 4:00 – 5:00 P.M. Simulator Session Dr. Tateosian

 **PC,MK,SBP**,**IPC,P,PBLI**, *PS,QI,TC,PF,SV* Dr. Corrado

 Rismany, Zhang, Zhu, Nguyen, Vy, Kim, J., Key, Simms

June 11 11:30 – 12:30 P.M. Recovery and PACU  **MK,PC,PS***/PS* Dr. Poovathoor

June 14 12:30 – 12:30 P.M. Local Anesthetics **MK, PC** */PS*Dr. Schabel

**JULY LECTURES**

**\* \* LUNCH CAN BE PICKED UP IN AESTHESIA CONFERENCE ROOM – JULY 1 - JULY 20, 2020 \* \***

July 1 11::30 – 12:30P.M. Patient Safety I **PC, MK/***PS, PF* Dr. Griffel

July 2 11:30 – 12:30 P.M. Intro to Pediatric Anesthesia **MK, PC, SBP*/****PS*Dr. Jasiewicz

 4:00 – 5:00 P.M. Simulator Session Dr. Tateosian

 Ahn, Cuenca, Daksla, Hafeman, Jin, Lee, C., Nguyen, Vic.

July 5 11:00 **NO LECTURE** – Lunch available in Conference Room

July 6 11:30 – 12:30 P.M. Patient Safety II Laura Kantor

 4:00 – 5:00 P.M. Simulator Session Dr. Tateosian

 Rismany, Zhang, Zhu, Nguyen, Vy, Kim, J., Key, Simms Dr. Corrado

July 7 11:30 – 12:30 P.M. Cardiac Physiology **MC, PC, PBL** Dr. Zabirowicz

July 8 11:30 – 12:30 P.M. Educ. Expectations/Documentation **PC, SBP, P, PBLI** Dr. Schabel

July 9 11:30 – 1:00 P.M. Ultrasound Techniques (Sim Center Classroom) Dr. Page

 **PC,MK***/PS*

 11:30-12:00 – Ahn, Cuenca, Daksla, Jin, Lee, C.

 12:00-12:30 – Nguyen, Vic., Rismany, Zhang, Zhu

 12:30- 1:00 – Nguyen, Vy, Kim, J. Key, Smms

 4:00 – 5:00 P.M. Simulator Session Dr. Tateosian

 **PC,MK,SBP**,**IPC,P,PBLI**, *PS,QI,TC,PF,SV* Dr. Corrado

 Ahn, Cuenca, Daksla, Hafeman, Jin, Lee, C., Nguyen, Vic.

July 12 11:30 – 12:00 P.M. Case Review Dr. De Lemos

 12:00 – 12:30 P.M. Intro to Research Dr. Bergese

July 13 11:30 – 12:30 P.M. Book Fund and Certify John Rohan

 4:00 – 5:00 P.M. Simulator Session Dr. Tateosian

 **PC,MK,SBP**,**IPC,P,PBLI**, *PS,QI,TC,PF,SV* Dr. Corrado

 Rismany, Zhang, Zhu, Nguyen, Vy, Kim, J., Key, Simms

July 14 11:30 – 12:30 P.M. Clinical Competence **P***/PF* Dr. Kogan

July 15 11:30 – 12:30 P.M. Diversity Dr. Richman

July 16 11:30 – 12:30 P.M. Spinals and Epidurals **MK, PC/***PS* Dr. Landman

 4:00 – 5:00 P.M. Simulator Session Dr. Tateosian

 **PC,MK,SBP**,**IPC,P,PBLI**, *PS,QI,TC,PF,SV* Dr. Corrado

 Ahn, Cuenca, Daksla, Hafeman, Jin, Lee, C., Nguyen, Vic.

July 19 11:30 – 1:30 P.M. AKT Keywords **MK** Dr. Wang

July 20 11:30 – 12:30 P.M. Program Evaluations Joan Claeson

 1:00 - 3:00 P.M. AKT-1 ( Post ) Exam Joan Claeson

 4:00 – 5:00 P.M. Simulator Session Dr. Tateosian

 **PC,MK,SBP**,**IPC,P,PBLI**, *PS,QI,TC,PF,SV* Dr. Corrado

 Rismany, Zhang, Zhu, Nguyen, Vy, Kim, J., Key, Simms

July 21 4:00 – 5:00 P.M. Simulator Session Dr. Tateosian

 **PC,MK,SBP**,**IPC,P,PBLI**, *PS,QI,TC,PF,SV* Dr. Corrado

 Ahn, Cuenca, Daksla, Hafeman, Jin, Lee, C., Nguyen, Vic.

July 22 4:00 – 5:00 P.M. Simulator Session Dr. Tateosian

 **PC,MK,SBP**,**IPC,P,PBLI**, *PS,QI,TC,PF,SV* Dr. Corrado

 Rismany, Zhang, Zhu, Nguyen, Vy, Kim, J., Key, Simms

July 23 4:00 – 5:00 P.M. Simulator Session Dr. Tateosian

 **PC,MK,SBP**,**IPC,P,PBLI**, *PS,QI,TC,PF,SV* Dr. Corrado

 **( MAKE UP SESSION )**

**PGY-1 ORIENTATION SCHEDULE**

**2021**

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**Quality Improvement *QI***

**Transitions in Care *TC***

**Professionalism *PF***

**Fatigue Management *FM***

**Supervision *SV***

**Wednesday, July 7**

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

**Wednesday, July 14**

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

**Wednesday, July 21**

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

**Wednesday, July 28**

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

**Wednesday, August 4 CA-3**

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-9:30 Mock Orals **P,ICS,MK,PBLI***/PF,PS*

 Dr. Costa

 Review oral boards format, time allowed, techniques

Goal: To pass oral anesthesia board exam.

Objectives: To review oral exam content and techniques

9:30-10:30 Management Skills **P***/P*

 Dr. Gan

Goal: To understand organizational culture and decision making

Objective: To discuss making changes in an organization, managing conflicts, negation and

advising

10:30-11:30 Wellness Seminar IV: **MK, ICS, P**

Mindfulness

Dr. Andrew Deptula

Goal: To promote wellness in one’s life

Objective: To understand how mindfulness and positive psychological approaches

enhance a clinician’s ability and reduce burnout

11:30-12:00 Class Meeting with Dr. Schabel

**12:00-12:30 LUNCH BREAK – outdoors (weather permitting)**

12:30-2:00 Regional Anesthesia: Truncal Blocks **MK, PC, SBP, IPC, PBLI**/*PS*

 Dr. Nada

Goal: To understand the methods of providing regional analgesia of the truck

Objectives: To understand and evaluate the applications of: Epidural analgesia and anesthesia; Paravertebral block; Fascial plane blocks: Erector spinae, Serratus anterior plane, Pectoralis, Tranversus Abdominis and Quadratus Lumborum blocks.

2:00-3:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Gidicsin

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

**Wednesday, August 11 CA-1 – DA-2**

6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exams.

Objectives: To review written exam content

8:00-10:45 CA-1’s and DA-2’s, PACU and Ventilators **MK, IPC, PBLI, PC, P, SBP***/PS,QI*

 Dr. Poovathoor

Required Reading: Morgan and Mikhail, Chapters 56 and 58

 Goal: To understand the postoperative management of patients, in particular, those requiring ventilator

support.

 Objectives: At the conclusion of this seminar, residents will demonstrate competence in:

1. Describing the respiratory consequences of anesthesia and surgical incisions – atelectasis, negative pressure pulmonary edema.
2. Describing the cardiovascular consequences of general and regional anesthesia.
3. Diagnosing postoperative hypo- and hypertension.
4. Describing the neuromuscular consequences of anesthesia – residual paralysis, muscle pain, recovery of airway reflexes.
5. Understanding postop N/V: etiology, risk factors, prophylaxis and treatment.
6. Describing the criteria for ventilator support and criteria for weaning.
7. Describing modes of ventilation: PEEP, CPAP, IMV, SIMV, ATM card, pressure support, pressure control, high frequency jet ventilation, oscillation, BiPAP, mask CPAP.
8. Diagnosing MI: clinical signs, EKG, enzymes, TTE/TEE, nuclear studies.
9. Interpreting ABG’s and making appropriate ventilator adjustments.
10. Understanding recent concepts in “smaller tidal volumes” for less pulmonary damage.
11. Managing oliguria: Pre, intra, post-renal causes, and tests to dx prerenal etilogy
12. Understanding postop seizure: Dif’l diagnosis and management.
13. Understanding and managing postop hyponatremia.
14. Diagnosing and managing postop aspiration pneumonia.
15. Describing indications for naloxone and understanding complications of naloxone.
16. Understanding temperature regulating centers, body temperature measurements and consequences of hypothermia.
17. Identifying malignant hyperthermia and managing MH.
18. Describing acute pain management for incisional pain/bladder spasms.

10:45-11:45  Basics of Enhanced Recovery After Surgery (ERAS) **MK, PC, SBP**/*PS, SV*

 Dr. Fischl

 Required Reading: Morgan and Mikhail, Chapter 48

 Goal: To understand the basics of enhanced recovery (ERAS)

 Objectives:

 1. To review the ERAS protocols

 2. To discuss the impact of ERAS on patient care

 11:45-12:00 Class Meeting with Dr. Schabel

**12:00-12:30**   **LUNCH WITH THE CHAIRMAN**

12:30-1:30 M & M Reviews **MK,PC***/PS*

 Dr. Costa

 Required Reading: Morgan and Mikhail, Chapters 5 & 6

 Topic: Cardiovascular and Noncardiovascular Monitoring

Goal:  To pass the Basic Exam

Objective:  To review Basic Exam content and cardiovascular and noncardiovascular

monitoring

 1:30-2:00 QI Project Meeting **PC SBP, IPC**/*QI*

 Drs. Romeiser, Bennett-Guerrero and Zabirowicz

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

 2:00-3:00 CA-1’s & DA-2’s

Disclosing Adverse Events **PBLI,P,ICS,SBP**/*P*

 Laura Kantor

 Goal: To understand how to disclose adverse events in patients and families

 Objective: To participate in the disclosure of an adverse event

3:00-4:00         Sim Session **PC,P,PBLI,IPC,SBP***/PS,QI,P,TC*

Drs. Corrado and Tateosian

                                    **( SIM CENTER RESERVED – 1 Lab )**

Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on Q.I. Project

Goal: To improve one’s clinical practice.

Objective: To receive performance feedback to improve clinical practice

           4:00-4:15         Evaluation Completion and Feedback Review

                                   **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

           2. To review feedback on clinical performance and knowledge base and practice habits

           4:15-5:00         Independent Study

**Wednesday, August 18 CA-2 – DA-3**

6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00- 8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-11:00 CA-2’s and DA-3’s Acute Pain Management II **MK, IPC, P, PC***/PS,QI,PF*

Dr. Willoughby

 Required Reading: Morgan and Mikhail, Chapter 46

Goal: To understand the role of peripheral nerve blocks for acute pain management.

Objectives:

1. Describe principles of ultrasound and its use in block placement.

2. Describe the anatomy of the following nerve blocks:

* 1. Axillary
	2. Interscalene
	3. Supra/infraclavicular
	4. Musculocutaneous
	5. Lumbar plexus
	6. Popliteal fossa
	7. Lateral femoral cutaneous
	8. Femoral
	9. Peroneal
	10. Sciatic
	11. Ulnar/median/radial
	12. Obturator
	13. Intercostal
	14. Parevertebral
	15. Genitofemoral
	16. Ankle block

3. Describe the use and shortcomings of using paresthesias/nerve stimulators and ultrasound for block placement.

4. Understand the indications and contraindications of nerve blocks.

5. Understand and managing the complications of nerve blocks.

6. Understand anti-coagulation concerns when placing nerve blocks.

7. Understand how to consent a patient for a nerve block.

11:00-12:00 PM Mock Orals **P,ICS,MK,PBLI***/PF,PS*

Dr. Costa

Goal: To prepare for Oral Board Exam

 Objective:

1. To complete a mock Oral Board Exam
2. To identify areas in need of further study or development for oral board exam preparation

**12:00-12:30** **LUNCH BREAK (outdoor gathering – weather permitting)**

12:30-2:30 CA-2’s and DA-3’s, Pulmonary Principles **MK, PC***/PS*

 Dr. Zabirowicz

Required Reading: Barash, Clinical Anesthesia, Chapter 15

Goal: To understand clinical applications of respiratory physiology as applied to specialty rotations.

Objectives:

To understand:

1. Respiratory spirometry/flow volume loops and interpretations.

2. Lung volume definitions, measurements, time constants, static/dynamic

 volumes, lung washout.

3. O2 uptake and CO2 production.

4. Lung mechanics: static and dynamic compliance.

5. Pleural pressure gradient

6. Surfactant action and La Place’s law.

7. Work of breathing.

8. V/Q distribution and West zones.

9. Hypoxic pulmonary vasoconstriction.

10. A-a gradient.

11. Alveolar – arteriolar CO2 gradient.

12. Vd/Vt ratio.

13. Apneic oxygenation and diffusion hypoxia.

14. Definition of diffusion capacity.

15. O2 transport/solubility/dyshemoglobinemias/disassociation curve.

16. 2-3 DPG, P 50 buffer systems of the blood.

17. CO2 transport/content/carbonic anhydrase/CO2 dissociation curve/Bohr

 effect/Haldane effect

18. Systemic effects of low and high O2 and CO2. Regulation of ventilation – central

2:30-3:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Giordano

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

3:00-4:00         Sim Session **PC,P,PBLI,IPC,SBP***/PS,QI,P,TC*

Drs. Corrado and Tateosian

                                    **( SIM CENTER RESERVED – 1 Lab )**

Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on Q.I. Project

Goal: To improve one’s clinical practice.

Objective: To receive performance feedback to improve clinical practice

          4:00-4:15         Evaluation Completion and Feedback Review

                                   **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

           2. To review feedback on clinical performance and knowledge base and practice habits

 4:15-5:00 Independent Study

**Wednesday, August 25 CA-3**

 6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-10:00 CA-3’s, Neuro III, **MK, IPC, PBLI, P, SBP***/PS,PF*

Dr. Probst

Required reading: Morgan and Mikhail, Chapters 26 and 27

 Goal: To manage highly advanced neurosurgical cases.

Objectives: At the conclusion of this seminar, residents will be able to demonstrate competence in:

1. Understanding CSF formation, volume, composition, flow and pressure.
2. Describing the blood-brain barrier, active and passive molecular transport across, and causes and consequences of disruption to the BBB.
3. Understanding CBF and its relation to blood chemistry and acid-base balance.
4. Describing methods of cerebral protection, including current concepts on hypothermia and using medication to achieve burst suppression.
5. Discussing anatomy and function of the cerebral cortex; anatomy and function of the cerebellum, basal ganglia, major neural pathways, and reticular activating system.
6. Describing cerebral circulation, Circle of Willis, venous sinuses and drainage.
7. Management of the patient for aneurysm clipping (ruptured/non-ruptured)
8. Identifying risk factors for venous air embolism and management of VAE.
9. Describing deliberate hypotension and controlled hypothermia techniques.
10. Defining the Glasgow Coma Scale and the implications of a score of 8 or less.
11. Describing barbiturate coma and its indications.
12. Describing and managing an intracerebral coiling case.
13. Describing complications and management of subarachnoid hemorrhage, vasospasm, and HHH therapy.

14. Understanding the components of cerebral O2 consumption.

10:00-11:00 Senior Grand Rounds Presentations **PBLI, ICS, P, MK***/P*

Dr. Costa

 Goal: To give an effective Grand Rounds presentation as a CA-3 resident

 Objective: To receive constructive feedback on one’s Grand Rounds presentation

11:00-12:00 Economics of Anesthesia Practice **SBP,P***/P*

 John Rohan

Goal: To understand the economics of anesthesia practice

 Objective: To identify key elements of anesthesia billing and reimbursement of care

 12:00-12:30 **LUNCH BREAK (outdoor gathering – weather permitting)**

12:30-2:00 Contract Negotiation

 Chuck Assini

Goal: To understand the legalities of anesthesiology contract negotiation

Objective: To learn legal clauses that affect physician contracts

2:00-3:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Gidicsin

 Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

3:00-4:00         Sim Session **PC,P,PBLI,IPC,SBP***/PS,QI,P,TC*

Drs. Corrado and Tateosian

                                    **( SIM CENTER RESERVED – 1 Lab )**

Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on Q.I. Project

Goal: To improve one’s clinical practice.

Objective: To receive performance feedback to improve clinical practice

          4:00-4:15         Evaluation Completion and Feedback Review

                                   **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

           2. To review feedback on clinical performance and knowledge base and practice habits

 4:15-5:00 Independent Study

**Wednesday, September 1 CA-1 – DA-2**

 6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-9:00 CA-1’s & DA-2’s Anesthesia for Ophthalmologic and Otolaryngology Surgery

 Dr. Bennici

 Required reading: Morgan and Mikhail, Chapters 36 and 37

Goal: To describe the anesthetic management of patients undergoing ophthalmic and

otolaryngoscopy surgery.

Objectives:

1. To identify the anesthetic and surgical concerns when providing anesthesia care for

 patients undergoing ophthalmic surgery.

2. To identify the anesthetic and surgical concerns when providing anesthesia care for patients

 undergoing otolaryngoscopy surgery

9:00-10:00 Financial Literacy for Physicians **SBP,IPC,P/***PF*

 Dr. Giordano

Goal: To understand financial decisions in early physician career

Objective: To learn basic principles of financial literacy for physicians

* Educational loans – repayment, forbearance, refinance
* Insurance – liability, disability, life
* Benefits: health, vision, retirement

10:00-12:00 – Substance Abuse, Session I **P, SBP, ICS***/PS,PF*

 Dr. Moore

 Goal: To provide an overview of substance abuse policies, resources and addiction behaviors.

 Objectives:

 1. Discuss Policies and Procedures for Impaired/Substance abuse

 2. Discuss departmental and hospital resources

 3. Define addiction, signs and symptoms of addiction

**12:00-12:30** **LUNCH WITH THE CHAIRMAN**

12:30-1:30 Anesthesia for Orthopedic Surgery  **MK/***PC,PS*

Dr. Azim

 Required reading: Morgan and Mikhail, Chapter 38

Goal: To discuss the anesthesia management of patients undergoing orthopedic surgery

Objectives:

1. To describe the signs and symptoms of fat embolism

2. To describe the critical events during total hip and total knee replacements

3. To describe the anesthetic challenges during shoulder surgery

1:30-2:30       M & M Reviews:  ­­­­­­­­­­Morgan and Mikhail Chapters 3 & 4      ­**MK, PC*/****PS*

                        Dr. Abola

 Topic: Breathing System and Anesthesia Machine

 Goal:  To pass the Basic Exam

Objective:  To review Basic Exam content related to breathing systems and anesthesia machine.

02:30-3:00      Patient Safety and QA/QI Projects   **MK, PC, PBLI, P***/PS, P*

                      Dr. Abola

 Required Reading: Morgan and Mikhail Chapter 59

Goal:

1.  To understand quality improvement processes

2.  To learn how to create a patient safety, QI or QA project

Objective:

1.  To identify the purpose of PS, QI, QA projects

2.  To describe the necessary elements of PS, QI and QA processes and projects

3.  To understand health care disparities as related to quality improvement

3:00-4:00         QI Project and Sim Session **PC,P,PBLI,IPC,SBP***/PS,QI,P,TC*

Drs. Corrado and Tateosian, and Drs. Bennett-Guerrero, Romeiser and Zabirowicz

                                    **( SIM CENTER RESERVED – 1 Lab )**

Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on Q.I. Project

Goal: To improve one’s clinical practice.

Objective: To receive performance feedback to improve clinical practice

Goal: To complete a Q.I. project

Objective: 1. To receive feedback on current Q.I. project

 2. To present update on Q.I. project

4:00-4:15 Evaluation Completion and Feedback Review

                                **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

2. To review feedback on clinical performance and knowledge base and practice habits

**Wednesday, September 8 CA-2 – DA-3**

 6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

 Goal: To pass written anesthesia Board exam.

 Objectives: To review written exam content

 7:00-8:00 Grand Rounds

 8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

 Goal: To pass written anesthesia Board exam.

 Objectives: To review written exam content

 8:00-9:15 Anesthesia for Thoracic Surgery **MK,PC/***PS*

 Dr. Atkinson

 Required Reading: Morgan and Mikhail, Chapter 25

 Goal: To discuss the anesthesia management for thoracic surgery

 Objectives:

 1. To discuss the implications of the lateral decubitus position

 2. To describe one lung ventilation technique compilations

 3. To discuss anesthetic considerations for patients undergoing:

 a. Lung resection

 b. Bronchopleural fistula

 c. Tracheal resection

 d. Lung transplantation

 e. Esophageal surgery

9:15-10:00 Advanced Exam Review

Dr. Atkinson

Goal: To pass written boards

Objective: To review topics from previous board exams

10:00-11:45Regional Anesthesia - Upper extremity Blocks **MK, PC, SBP, IPC**/*PS*

Dr. Desai

Goal: To understand the methods of providing regional analgesia to the upper extremity Objective: Learn the anatomy of the brachial plexus and different approaches of brachial plexus blocks (interscalene, supraclavicular, infraclavicular, and axillary)

 Understand the techniques for selective nerve blocks

11:45-12:00 Evaluation Completion and Feedback Review

                                **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

2. To review feedback on clinical performance and knowledge base and practice habits

**12:00-12:30** **LUNCH WITH THE CHAIRMAN**

12:30-2:00 CA-2’s and DA-3’s, Neuro II

 **MK, IPC, PBLI, PC***/PF,PS,QI,SV*

 Dr. Bergese

 Required reading: Morgan and Mikhail, Chapters 26 & 27

 Goal: To review topics from the ABA primary certification content outline

 Objectives: To review the following topics:

1. Determinants of CBF

2. Autoregulation

3. Evoked potentials

4. Venous air embolism

5. ICP

6. Anesthesia for crani

7. Subarachnoid hemorrhage

8. Vasospasm

9. Fluid and electrolyte disturbances

10. Siadh

11. Csws

12. DI

13. Cmro2, autoreg

14. Robin Hood and steal phenomena

15. Oculocardiac reflex

16. Automomic hyperreflexia

17. Mannitol Pharmacology

18. EEG’s – Wave Forms and Interpretations

2:00-3:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Giordano

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

3:00-4:00         Sim Session **PC,P,PBLI,IPC,SBP***/PS,QI,P,TC*

Drs. Corrado and Tateosian

                                    **( SIM CENTER – not available )**

Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on Q.I. Project

Goal: To improve one’s clinical practice.

Objective: To receive performance feedback to improve clinical practice

 4:00-5:00 Independent Study

**Wednesday, September 15 CA-3**

6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

 7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-12:00 CA-3’s, Future Career: Selection and Management **P, SBP***/PF*

 Drs. Schabel and Guests

 Goal: To understand types of anesthesia practices and aspects of job management.

 Objectives: At the end of this session, the resident will demonstrate competence in:

1. Understanding differences between academic and private practice.
2. Understanding methods of finding a job.
3. Understanding contracts and negotiation.
4. Describing issues with physician impairment or disability.
5. Describing the certification process and related issues: primary certification, MOCA (recertification), professional standing, lifelong learning, clinical practice assessment.
6. Understanding malpractice: definition, legal action and consequences, national practice database, closed claim findings, liability insurance.

 **12:00-12:30** **LUNCH WITH THE CHAIRMAN**

12:30-2:00 PBLD: OB

Dr. Daoud **MK,PC,PBLI, SBP**/PS,PF,TC

Goal: To provide safe anesthesia care for a complicated case

Objectives: To discuss the anesthesia management of a complex obstetric case

**\* \* \* This Lecture Is Not For DA Residents \* \* \***

 **( DA’s Will Work at Their Clinical Site )**

2:00-3:00 QI Project **SBP, IPC, PBLI**/*QI*

 Drs. Romeiser, Bennett-Guerrero and Gidicsin

 Goal: To complete a Q.I. project

Objective: 1. To receive feedback on current Q.I. project

 2. To present update on Q.I. project

3:00-4:00         Sim Session **PC,P,PBLI,IPC,SBP***/PS,QI,P,TC*

Drs. Corrado and Tateosian

                                    **( SIM CENTER RESERVED – 1 Lab )**

Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on Q.I. Project

Goal: To improve one’s clinical practice.

Objective: To receive performance feedback to improve clinical practice

 4:00-5:00 Independent Study

**Tuesday, September 21**

6:00 P.M. Journal Club **PBLI, MK/**PS,QI

 Drs. Landman and Zabirowicz

 **( Microsoft Teams )**

 Goal: To develop evidence-based medicine related skills

Objectives:

1. To locate scientific information

2. To use information technology

3. To appraise and assimilate evidence form scientific studies

 4. To discuss application of scientific information to patient care

**Wednesday, September 22 CA-1 – DA-2**

6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-9:30 CA-1’s and DA-2’s, Liver and Renal Disease **MK, IPC, PC, SBP***/PF,QI*

 Dr. Costa

 Required reading: Morgan and Mikhail, Chapters 30, 31, 33

 Goal: To understand the implications of renal and liver disease.

 Objectives:

1. Describe the liver’s:
	1. Dual blood supply
	2. Blood flow regulation
	3. Metabolism and synthetic functions
	4. Excretory functions
	5. Mechanisms of drug metabolism and excretion
	6. Cytochrome P-450 system

 2. Understand liver failure and the hemodynamics that accompany liver failure.

 3. Understand effects of starvation on liver function.

 4. Describe workup and differential diagnosis of pre and postop renal failure.

5. Determine choice of anesthetic for hepatocellular disease, ascites and portal

 hypertension.

6. Determine choice of anesthesia for patient with impaired or absent renal function.

7. Understand the effects of uremia.

8. Describe the prevention and treatment of renal failure: osmotic and loop diuretics,

 dopamine

9. Describe renal blood flow and anesthesia effects.

10. Discuss diuretics, mechanism of action and adverse effects.

11. Describe renal and splanchnic blood flow: regulation and factors affecting.

9:30-10:30 M & M Reviews: Morgan & Mikhail Chapters ­­­­7 & 8 **MK,PC***/PS,TC*

 Dr. Daoud

 Topic: Pharmacological Principles and Inhalation Anesthetics

Goal:  To pass the Basic Exam

Objective:  To review Basic Exam content related to pharmacological principles and

inhalation anesthesia.

10:30-11:30 PBLD **MK,PC,IPC,PBLI/***PS*

Dr. Daoud

Goal: To pass written boards

Objective: To review topics from previous board exams

11:30-11:45 Evaluation Completion and Feedback Review

                                **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

1. To review feedback on clinical performance and knowledge base and practice habits

11:45-12:00 Class Meeting with Dr. Schabel

**12:00-12:30** **LUNCH WITH THE CHAIRMAN**

12:30-1:30 PBLD’s: PACU **MK**

 Dr. Zabirowicz

Goal: To discuss the management of common PACU complications

Objective: To identify common PACU complications and therapeutic interventions

1:30-2:30 Ethics in Research **MK,PC,SBP,IPC**/*PS,QI*

Drs. Romeiser and Elliott-Bennett-Guerrero

Goal: To understand how to conduct ethical research

Objective: To learn the requisites of appropriate research protocols

2:30-3:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Zabirowicz

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

 3:00-4:00 Sim Session **PC,P,PBLI,IPC,SBP***/PS,QI,P,TC*Drs. Corrado, Tateosian, Giordanoand Romeiser

 **( SIM CENTER – NOT AVAILABLE )**

Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on Q.I. Project

Goals: To improve one’s clinical practice

Objective: To receive performance feedback to improve patient safety and clinical practices

 4:00-5:00 Independent Study

**Wednesday, September 29 CA-2 – DA-3**

6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

 Objectives: To review written exam content

 8:00-9:00 Anesthesia for the Pregnant Patient Undergoing Non-Obstetric Surgery

 **MK, PC, IPC, PBLI/***PS*

Dr. Daoud

 Goal: To provide optimum care for pregnant patients undergoing surgery

 Objective: To describe the preoperative, intraoperative and postoperative management of

 pregnant patients undergoing surgery

 **\* \* \* This Lecture Is Not For DA Residents \* \* \***

 **( DA’s Will Work at Their Clinical Site )**

9:00-10:30 CA-2’s Obstetrics Anesthesia Topics – Jeopardy

 OB Simulation **MK, IPC, PBLI, P, SBP, PC***/PF,PC,QI*

 Dr. Corrado

 **(SIM LAB RESERVED 8 am to 11 am)**

 **\* \* \* This Lecture Is Not For DA Residents \* \* \***

 **( DA’s Will Work at Their Clinical Site )**

**MK, IPC, PBLI, P, SBP, PC***/PF,PC,QI*

Dr. Schabel

Required reading: Morgan and Mikhail, Chapters 40 & 41

 Goal: To understand the anesthetic management of obstetric patients for labor and delivery.

 Objectives: At the end of this seminar, the resident will demonstrate competence in:

1. Describing epidural and spinal anesthetics for labor and delivery: anatomy complications and dosing

2. Understanding pathophysiology and management of pre-eclampsia. Understanding effects of MgSO4.

3. Describing maternal-fetal transfer of medications

10:30-11:00 Class Meeting with Dr. Schabel

11:00-12:00 Mock Orals **P,ICS,MK,PBLI***/PF,PS*

 Dr. Fischl

Goal: To pass oral anesthesia board exam.

Objectives: To review oral exam content and techniques

**12:00-12:30** **LUNCH WITH THE CHAIRMAN**

12:30-1:30 Neuro Keywords: **MK**

Dr. Kogan

Goal: To pass written Board Exam

Objective: To review written exam content

1:30-2:30 Anesthesia Patients with Neurologic, Psychiatric Disease and

 Neuromuscular Disease **MK**

 Dr. Kogan

 Required reading: Morgan and Mikhail, Chapters 28 & 29

Goal: To discuss anesthetic management of patients with neurologic, psychiatric or

neuromuscular disease

Objectives: To identify the anesthetic considerations during perioperative management of patients with:

1: Muscular dystrophies

2. Seizure disorders

3. Multiple sclerosis

4, Guillian-Barre

5. Syringomyelia

6. Depression

7. Substance abuse

2:30-3:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Giordano

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

3:00-4:00         Sim Session **PC,P,PBLI,IPC,SBP***/PS,QI,P,TC*

Drs. Corrado and Tateosian

                                    **( SIM CENTER RESERVED – 1 Lab )**

Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on Q.I. Project

Goal: To improve one’s clinical practice.

Objective: To receive performance feedback to improve clinical practice

4:00-4:15 Evaluation Completion and Feedback Review

                                 **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

2. To review feedback on clinical performance and knowledge base and practice habits

 4:15-5:00 Independent Study

**Wednesday, October 6 CA-3**

 6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-9:30 Written Board Review **MK**

 Dr. Poovathoor

Goal: To pass written anesthesia Board Exam

Objective: To review Board Exam content

 9:30-10:30 Oral Board Prep **MK,ICS,PBLI,P,SBP***/PS,PF,TC*

Dr. Gupta

 Goal: To pass the Oral Board Exam

 Objective: To participate in a mock oral exam

10:30-11:30 Grand Rounds Presentations **ICS, P, MK, PBLI***/P*

 Dr. Costa

 Goal: To give an effective Ground Rounds presentation as a CA-3 resident

 Objective: To receive constructive feedback on one’s Grand Round presentation

11:30-12:00 Class meeting with Dr. Schabel

**12:00-12:30** **LUNCH WITH THE CHAIRMAN**

12:30- 2:00 CA-3’s Advanced Cardiac **MK, PC***/PS*

Dr. Poppers

 Required reading: Barash, Clinical Anesthesia, Chapter 39

 Goal: To discuss the anesthesia management of complicated cardiac cases.

Objective:

1. To describe the diagnosis and anesthetic management for patients with mediastinal syndrome

2. To describe the diagnosis and anesthetic management for cardiac tamponade

3. To discuss the anesthetic management of a complicated CABG case

2:00-2:30 CA-3’s, Advanced Critical Care Topics **MK, PC,SBP,PBLI***/TC,PS,SV*

 Dr. Bennett-Guerrero

Required Reading: Morgan & Mikhail, Chapters 53 and 57.

 Goal: To discuss advanced critical care topics related to anesthesia practice

Objective:

 To describe “Patient Monitoring from 300,000 Feet”: Goals of care, hemodynamics,

 perfusion, oxygen delivery, ischemia.

2:00-3:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Gidicsin

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

3:00-4:00         Sim Session **PC,P,PBLI,IPC,SBP***/PS,QI,P,TC*

Drs. Corrado and Tateosian

                                    **( SIM CENTER RESERVED – 1 Lab )**

Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on Q.I. Project

Goal: To improve one’s clinical practice.

Objective: To receive performance feedback to improve clinical practice

4:00-4:15 Evaluation Completion and Feedback Review

                                 **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

2. To review feedback on clinical performance and knowledge base and practice

 habits

**Wednesday, October 13 CA-1 – DA-2**

6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-8:30 CA-1’s and DA-2’s Hemachron Recertification

 Laura Holst

Goal: To be certified in the machine

Objective: To complete Hemachron training

8:30-10:00 Fluid and Blood Therapy  **MK, IPC, SBP, PC***/QI,SV,PS*

                                  Dr. Costa

                                  Required Reading:  Basics of Anesthesia, Chapters 23 and 24

           Goal:  Safely manage fluids and blood transfusions in the perioperative period.

Objectives:

1. Calculate fluid maintenance and deficits.

2. Discuss risk of blood-borne infections via needle stick or transfusions (hep B, C,

 HIV, CMV)

3. Discuss alternatives to transfusion: hemodilution, sequestration, blood substitutes

 - synthetic and recombinant hemoglobins

4. Describe T and S, T and C, uncrossmatched blood, autologous donation, blood

 preservation and storage.

5. Understand indications for transfusion and complications of same:

* 1. Febrile
	2. Allergic
	3. Hemolytic
	4. Acute vs delayed reactions
	5. Citrate intoxication
	6. Electrolyte and acid-base disturbances

6. Understand complications of massive transfusions.

7. Describe anesthetic management of hemophilia, Von Willebrand’s disease,

Jehovah’s Witness.

10:00-11:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Zabirowicz

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

11:00-12:00 M & M Reviews: Morgan & Mikhail Chapters 11 & 12 **MK,PC/***PS,P*

 Dr. Moller

 Topic: Neuromuscular Blocking Agents and NMB Antagonists

Goal:  To pass the Basic Exam

Objective:  To review Basic Exam content related to NM blockers and reversal

**12:00-12:30** **LUNCH**

12:30-1:00Read about TTE, Prepare for Sim session

1:00 –4:00       Basics of Transthoracic Echo (TTE)      **MK, PC, SBP,**

**IPC, PBLI/***PS*

Dr. Moller

                                                              **And**

                        Central Line and CVP                                                         **MK, PC, SBP,**

**IPC, PBLI***/PS*

Dr. Tateosian

            **( SIM CENTER RESERVED 1-4 pm – 1 LAB WITH TTE HEARTWORKS )**

            Goal:  To understand the use of Ultrasound for TTE

            Objectives:

            1.  To identify cardiac chambers using TTE

            2.  To understand knobology of TTE and ultrasound technology

            3.  To identify cardiac pathologies, fluid and gastric status using

                 TTE.

            Resume heart works at Sim Center

Goals: 1. To understand the placement of a central line catheter

1. To learn the use of ultrasound for vascular access and in placement of central line catheters

            Objective:

            1.  To learn techniques for placement of a central line catheter with the use of ultrasound guidance

4:00-4:15 Evaluation Completion and Feedback Review

                                **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

           2. To review feedback on clinical performance and knowledge base and practice habits

 4:15-5:00 Independent Study

**Wednesday, October 20 CA-2 – DA-3**

 6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

 7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

 8:00-10:30 CA-2’s and DA-3’s Chronic Pain Management **MK,PC,IPC***/QI,PS,PF,SV*

 Dr. Kaushal

 Required reading: Morgan and Mikhail, Chapter 47

Goal: To manage chronic pain.

 Objectives: At the end of this seminar, the resident will be able to demonstrate competence in:

1. Understanding peripheral nociceptor transduction and afferent pathways: sensory nerves, dorsal horn, CNS pathways off pain.
2. Describing autonomic contributions to pain.
3. Understanding spinal and supraspinal neurotransmission and modulation of opioid receptors.
4. Describing the World Health Organization analgesic ladder.
5. Describing sympathetic nerve blocks (lumbar sympathetic, stellate ganglion); neurolytic vs non-neurolytic blocks.
6. Understanding social, vocational, psychological, gender and age influences in pain.
7. Describing common pain syndromes and management: CRPS I and II, postherpetic neuralgia, phantom limb, post-CVA, diabetic neuropathy, myofascial-fibromyalgia, facet arthropathy.
8. Understanding substance abuse, addiction, dependence, tolerance, chronic opioid therapy and pharmacologic-assisted opioid withdrawal.
9. Describing use of benzodiazepines, phenytoin, anti-convulsants, carbamazepine, gabapentin, barbiturates, anti-depressants, anti-Parkinson’s, and Ritalin.
10. Identifying signs of spinal stenosis.

11. Understanding use of TENS, spinal cord stimulators, and neuroablation (surgical and

 chemical).

10:30-11:30Perinatal Physiology and Pharmacology **MK, PBLI, PC, SBP** ***/****SV,PS*

 Dr. Avraham

Goal: Learn the physiology and pharmacology in infants.

 Objectives: Manage pediatric surgical cases.

11:30-12:00 Wellness Session

**12:00-12:30** **LUNCH**

12:30-2:30 Preoperative Anesthesia Management **PC,MK***/PS,P,QI*

Dr. Richman

 Required Reading: Clinical Anesthesia, Chapter 23

Goal: To review perioperative anesthesia management

Objectives: To discuss current preoperative testing guidelines and perioperative sleep apnea management

 2:30-3:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Giordano

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

3:00-4:00         Sim Session **PC,P,PBLI,IPC,SBP***/PS,QI,P,TC*

Drs. Corrado and Tateosian

                                    **( SIM CENTER RESERVED – 1 Lab )**

Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on Q.I. Project

Goal: To improve one’s clinical practice.

Objective: To receive performance feedback to improve clinical practice

4:00-4:15 Evaluation Completion and Feedback Review

                                 **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

2. To review feedback on clinical performance and knowledge base and practice habits

 4:15-5:00 Independent Study

**Tuesday, October 26**

6:00 P.M. Journal Club **PBLI, MK/**PS,QI

 Drs. Landman and Zabirowicz

 **( Microsoft Teams )**

 Goal: To develop evidence-based medicine related skills

Objectives:

1. To locate scientific information

2. To use information technology

3. To appraise and assimilate evidence form scientific studies

 4. To discuss application of scientific information to patient care

**Wednesday, October 27 CA-3**

 6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-9:00 CA-3 Keywords: Chronic Pain **MK**

Dr. Caldwell

Goal: To pass written Board Exam

Objective: To review written Board Exam content

9:00-10:30 CA-3 Board Review **MK**

Dr. Poovathoor

Goal: To pass written board exam

Objective: To complete practice board questions

10:30-11:30 Senior Grand Rounds Presentations **PBLI, ICS, P, MK***/P*

Dr. Costa

 Goal: To give an effective Grand Rounds presentation as a CA-3 resident

 Objective: To receive constructive feedback on one’s Grand Rounds presentation

11:30-12:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Gidicsin

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

**12:00-12:30** **LUNCH WITH THE CHAIRMAN**

12:30-2:45 CA-3’s, Advanced Critical Care Topics **MK, PC,SBP,PBLI***/TC,PS,SV*

 Dr. Schwartz

 Goal: To discuss advanced critical care topics related to anesthesia practice

 Objective: To describe TTE and discuss its applications in the critical care patient.

 Required Reading: Morgan and Mikhail, Chapter 58

 **( SIM CENTER RESERVED 12:30-2:45 pm – ED Lab and TTE with Heartworks and**

 **Standardized Patient)**

2:45-3:00 Break

3:00-4:00         Sim Session **PC,P,PBLI,IPC,SBP***/PS,QI,P,TC*

Drs. Corrado and Tateosian

                                    **( SIM CENTER RESERVED – NOT AVAILABLE )**

Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on Q.I. Project

Goal: To improve one’s clinical practice.

Objective: To receive performance feedback to improve clinical practice

4:00-5:00 Independent Study

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

           2. To review feedback on clinical performance and knowledge base and practice habits

**Wednesday, November 3 CA-1 – DA-2**

 6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

 7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-9:30 M & M Reviews **MK,PC/***PS*

 Dr. Kogan

 Required reading: Morgan and Mikhail, Chapters 9 & 10

Topic: Intravenous Anesthetics and Analgesic Agents

Goal:  To pass the Basic Exam

Objective:  To review Basic Exam content related to IV anesthetics and analgesic agents

9:30-10:45 Class Meeting with Dr. Schabel

10:45-11:00 Evaluation Completion and Feedback Review

                                **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

           2. To review feedback on clinical performance and knowledge base and practice habits

11:00-12:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Zabirowicz

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

**12:00-12:30** **LUNCH WITH THE CHAIRMAN**

12:30-3:00 CA-1’s and DA-2’s - Airway Workshop **MK, PC, SBP***/PS*

Dr. Oleszak

Dr. Samara, ENT **( 2:00-3:00 )**

 **( SIM CENTER RESERVED – 1 Lab and 1 Classroom )**

 Required reading: Morgan and Mikhail, Chapter 19

 Goal: To understand management of the routine airway.

 Objectives: At the conclusion of this session, the resident will be able to demonstrate competence in:

1. Uncomplicated mask ventilation.
2. Use of the LMA.
3. Use of the intubating Bougie.
4. Describing LMA use and glossopharyngeal nerve injury.
5. Discussing complications of intubation.

6. Managing endotracheal tube changes.

7. Discussing the anatomy of the larynx: innervation of the muscles/blood

 supply/sensor innervation/arytenoids anatomy

1. Describing vocal cord dysfunction after nerve injury

3:00-4:00         Sim Session **PC,P,PBLI,IPC,SBP***/PS,QI,P,TC*

Drs. Corrado and Tateosian

                                    **( SIM CENTER RESERVED – 1 Lab )**

Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on Q.I. Project

Goal: To improve one’s clinical practice.

Objective: To receive performance feedback to improve clinical practice

 4:00-5:00 Independent Study

**Wednesday, November 10 CA-2 - DA-3**

 6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-10:00 CA-2’s and DA-3’s, Pediatric Interdisciplinary Workshop **MK,PC,ICS,SB,PBLI***/PS,PF,IQ,SV,TC*

 Drs. Tateosian and Blair

 **( SIM CENTER RESERVED 8-10 am – 1 Lab, 1 Classroom, 2 Standardized Patients**

 **( and 2 Patient Rooms )**

 Goal: To participate in pediatric interdisciplinary workshop

 Objectives: At the end of this session, the resident will demonstrate competence in:

 1. View and discuss PICU handoff video

 2. Complete multi-station simulations

 3. Perform selected procedures on pediatric simulated patient

 4. Discuss key concepts essential to telling bad news to pediatric patients and their families

10:00-11:00 Cost Awareness and Anesthesia Practice **PC,SBP,P***/P*

 Dr. Fischl

Goal: To practice cost conscious medicine

Objective: To understand the costs of practicing anesthesia

11:00-12:00 Class Meeting with Dr. Schabel – ACGME Topics

**12:00-12:30** **LUNCH WITH THE CHAIRMAN**

12:30-2:30 Regional Anesthesia – Lower Extremity Blocks **MK,PC,SBP,PBLI**/*PS*

 Dr. Bennici

Goal: To understand the methods of providing regional analgesia of the lower extremity.

Objectives: Learn the applications of femoral, lateral femoral cutaneous, fascia iliaca block, and lumbar plexus block, sciatic nerve block, ankle block.

2:30 – 3:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Giordano

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

 3:00-4:15 Evaluation Completion and Feedback Review

                                **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

2. To review feedback on clinical performance and knowledge base and practice habits

 3:15-5:00 Independent Study

**Wednesday, November 17 CA-3**

 6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-10:00 CA-3’s, OB III **MK, IPC, PBLI, SBP, PC, P***/PS,QI,TC*

 Dr. Schabel

 Goal: To understand advanced management of obstetric hemorrhage

 Objectives: At the conclusion of this seminar, residents will demonstrate competence in:

1. Managing severe peripartum hemorrhage
2. Identifying risk factors for postpartum hemorrhage.

10:00-11:00 Cardiac Disease and Hypertension in Pregnancy **MK, PC**

Dr. Giordano

 Goal: To provide safe anesthesia care to pregnant patients with cardiac comorbidities

 Objectives: To describe the anesthesia management of pregnant patients with cardiac

 comorbidities and hypertension

11:00-12:00 Board Review **MK**

 Dr. Poovathoor

Goal: To pass written board exam

Objective: To complete practice board questions

**12:00-12:30** **LUNCH WITH THE CHAIRMAN**

12:30-1:30 Senior Grand Rounds Presentations **PBLI, ICS, P, MK***/P*

Dr. Costa

 Goal: To give an effective Grand Rounds presentation as a CA-3 resident

 Objective: To receive constructive feedback on one’s Grand Rounds presentation

 1:30-2:30 Financial Literacy for Physicians **SBP,IPC,P/***PF*

 Dr. Giordano

Goal: To understand financial decisions in early physician career

Objective: To learn basic principles of financial literacy for physicians

* Educational loans – repayment, forbearance, refinance
* Insurance – liability, disability, life
* Benefits: health, vision, retirement

2:30-3:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Gidicsin

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

3:00-4:00         Sim Session **PC,P,PBLI,IPC,SBP***/PS,QI,P,TC*

Drs. Corrado and Tateosian

                                    **( SIM CENTER RESERVED – 1 Lab )**

Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on Q.I. Project

Goal: To improve one’s clinical practice.

Objective: To receive performance feedback to improve clinical practice

4:00-4:15 Evaluation Completion and Feedback Review

                                  **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

            2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

            2. To review feedback on clinical performance and knowledge base and practice habits

 4:15-5:00 Independent Study

**Wednesday, November 24 CA-1 – DA-2**

 6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-10:45 CA-1’s and DA-2’s AKT-6 and ITE Board Review **MK**

Dr. Poovathoor

Goal: To score greater than the 70th percentile on the AKT-6 exam

Objective: To complete practice AKT-6 questions

10:45-11:00 Evaluation Completion and Feedback Review

                                **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

 2. To review feedback on clinical performance and knowledge base and practice habits

11:00-12:00 Effective Communication with Care Goals Including End-of-Life **IPC,P,PC***/P*

Dr. Schwartz

Goal: To effectively communicate care goals, including end-of-life

Objective: 1. To describe the necessary elements to assure effective communication when

 discussing care goals with patients and families

 2. To simulate a case for resident to advocate for patient to address patient’s

 goals

**12:00-12:30** **LUNCH WITH THE CHAIRMAN**

12:30-1:00 BIS **MK, PC, SBP, PBLI/***PS*

 Edward Casey, Medtronic

 edward.g.casey@medtronic.com

Goal: To understand BIS / processed EEG monitoring

Objectives:

1. To identify purpose of BIS monitoring

2. To describe proper BIS sensor applications

3. To discuss the clinical studies regarding processed EEG / BIS

1:00-2:30 M & M Reviews: Morgan & Mikhail Chapters 13 & 14 **MK,PC/***PS*

 Dr. Azim

 Topic: Anticholinergic Drugs, Adrenergic Agonists and Antagonists

Goal:  To pass the Basic Exam

Objective:  To review Basic Exam content related to anticholinergic and

adrenergic medications.

2:30-3:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

3:00-4:00         Sim Session **PC,P,PBLI,IPC,SBP***/PS,QI,P,TC*

Drs. Corrado and Tateosian

                                    **( SIM CENTER RESERVED – 1 Lab )**

Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on Q.I. Project

Goal: To improve one’s clinical practice.

Objective: To receive performance feedback to improve clinical practice

 4:00-5:00 Independent Study

**Thursday, November 25th Thanksgiving Day**

**Wednesday, December 1 CA-2 – DA-3**

 6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-10:30 CA-2’s and DA-3’s Vascular **MK, PC, IPC, SBP***/PS*

 Dr. Moller

Required reading: Barash, Clinical Anesthesia, Chapter 40

 Goal: Understand anesthetic management of the patient undergoing vascular surgery.

Objectives: To understand anesthetic management of:

1. Carotid endarterectomy.
2. Open and endovascular AAA.
3. Ruptured AAA.
4. Aneurysm of ascending and descending arch of the aorta.
5. Aortic dissections.
6. Cerebral perfusion including luxury perfusion/steal/autoregulation.
7. Monitoring of cerebral perfusion.

 10:30-11:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Giordano

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

11:00-12:00 Legislative and Regulatory Issues and Fiscal Stewardship

 Of Healthcare Delivery **SBP**

 Dr. Griffel

 Goal: To describe the legislative and regulatory elements of practice

 Objective: To understand the fiscal stewardship of healthcare delivery

**12:00-12:30** **LUNCH WITH THE CHAIRMAN**

12:30-3:00 TTE Review **MK,PC**

 Dr. Moller

Goal: To become proficient in TTE

Objective: To review TTE cardiac views and common pathologies

 **( SIM CENTER RESERVED – LAB AND HEART WORKS TTE )**

3:00-4:00         Sim Session **PC,P,PBLI,IPC,SBP***/PS,QI,P,TC*

Drs. Corrado and Tateosian

                                    **( SIM CENTER RESERVED – 1 Lab )**

Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on Q.I. Project

Goal: To improve one’s clinical practice.

Objective: To receive performance feedback to improve clinical practice

4:00-4:15 Evaluation Completion and Feedback Review

                                 **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

2. To review feedback on clinical performance and knowledge base and practice habits

 4:15-5:00 Independent Study

**Wednesday, December 8 CA-3**

 6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-10:00 CA-3’s, Transplants **MK, IPC, PBLI, P, PC, SBP***/PS,QI*

 Dr. Moller

 Required reading: Barash, Clinical Anesthesia, Chapter 52

 Goal: To understand the anesthetic management of solid organ transplantations.

 Objectives: At the conclusion of this seminar, residents will demonstrate competence in:

1. Describing the anesthetic management and anticipated complications during liver, kidney, heart, lung, and pancreatic transplantation.
2. Understanding the psychological changes in patients undergoing heart transplantation.
3. Describing electrolyte and acid-base abnormalities that occur with reperfusion of the kidney and the liver.
4. Managing right heart failure in the fresh heart transplant.
5. Understanding the physiologic implications of pulmonary hypertension in the heart failure/liver failure patient.

10:00-11:00 PBLD: OB **MK, P, PC, IPC, PBLI, SBP***/PF,QI,P*

Dr. Daoud

Goal: To discuss the management of a complicated anesthetic case

Objective: To identify the perioperative and intraoperative challenges in providing anesthetic care during a complicated case

 **\* \* \* This Lecture Is Not For DA Residents \* \* \***

 **( DA’s Will Work at Their Clinical Site )**

11:00-11:10 Evaluation Completion and Feedback Review

                                **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

 2. To review feedback on clinical performance and knowledge base and practice habits

11:00-12:00 Mock Orals **P,ICS,MK,PBLI***/PF,PS*

 Dr. Jasiewicz

Goal: To pass oral anesthesia board exam.

Objectives: To review oral exam content and techniques

11:15-12:00 Class Meeting with Dr. Schabel: ACGME Topics

**12:00-12:30** **LUNCH WITH THE CHAIRMAN**

 12:30-1:30 Mock OSCE **PC,P,PBLI,IPC,SBP***/PS,QI,P,TC*

Dr. Poppers and Gupta

 Goals:

 1. To pass OSCE

            2. To improve one’s clinical practice

Objectives:

1. To prepare for OSCE

            2. To receive performance feedback and improve clinical practices

1:30-2:30 Senior Grand Rounds Presentations **PBLI,P, ICS, MK***/P*

 Dr. Costa

Goal: To give an effective Grand Rounds presentation as a CA-3 resident

Objective: To receive constructive feedback on one’s Grand Rounds presentation

2:30-3:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Gidicsin

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

3:00-4:00         Sim Session **PC,P,PBLI,IPC,SBP***/PS,QI,P,TC*

Drs. Corrado and Tateosian

                                    **( SIM CENTER – NOT AVAILABLE )**

Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on Q.I. Project

Goal: To improve one’s clinical practice.

Objective: To receive performance feedback to improve clinical practice

4:00-5:00 Independent Study

**Wednesday, December 15 CA-1 – DA-2**

 6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

 7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-10:30 CA-1’s and DA-2’s, Pre-op/AHA Guidelines **MK,SBP,IPC***/PS,PF*

Dr. Richman

 Required reading: Morgan & Mikhail, Chapter 18

 Goal: Understand pre-operative assessment and testing.

 Objectives: At the conclusion of this session, the resident will demonstrate competence in:

1. Preoperative assessment of the patient with respiratory disease.
2. Understanding of the risk of anesthetic risk based on PFT’s.
3. Understanding preoperative smoking cessation and how it relates to anesthesia.
4. Describing perioperative glucose control.
5. Identifying perioperative MI risk factors.
6. Describing perioperative sickle cell disease management.
7. Understanding the preop assessment of obesity, including pulmonary effects.
8. Describing sleep apnea and BiPAP.
9. Understanding the assessment of the patient with liver/renal disease.
10. Understanding the assessment of glaucoma/steroid use/HTN/thyroid disease/depression.
11. Describing the continuation and discontinuation of drugs in the periop period including anti-depressants/hypertensives/anginal/platelet inhibitors and beta blockers.
12. Understanding the process of choosing the anesthetic technique.

10:30-12:00 M & M Reviews: Morgan & Mikhail Chapters 15 & 16 **MK,PC,SBP,PBLI/***PS*

 Dr. Tateosian

 Topic: Hypotensive Agents and Local Anesthetics

Goal:  To pass the Basic Exam

Objective:  To review Basic Exam content

**12:00-12:30** **LUNCH WITH THE CHAIRMAN**

12:30-1:00 Code Lavender **IPC**/*FM*

Dr. Megan Lochner and Cynthia Cervoni

Goal: To understand the significance of Code Lavender at SB Hospital

Objective: To facilitate the use of wellness programs for physicians

1:00-2:00 Root Cause Analysis (RCA) **PBLI,P,ICS,SBP***/P*

 Laura Kantor

Goal: To participate in mock root cause analysis

Objectives: To participate in root cause analysis

2:00-3:00 Basics of Research Design II **MK,SBP**

Dr. Bergese

Goal: To learn how to design a research project

Objectives:

1. To identify the basic principles of research

2. To understand how research is explained to patients and applied to patient care

3. To describe how research is evaluated

3:00-4:00         Q.I. Project and Sim Session **PC,P,PBLI,IPC,SBP***/PS,QI,P,TC*

Drs. Corrado and Tateosian, and Drs. Bennett-Guerrero, Romeiser and Zabirowicz

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

                                    **( SIM CENTER RESERVED – 1 Lab )**

Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on Q.I. Project

Goal: To improve one’s clinical practice.

Objective: To receive performance feedback to improve clinical practice

4:00-4:15 Evaluation Completion and Feedback Review

                                **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

           2. To review feedback on clinical performance and knowledge base and practice habits

 4:15-5:00 Independent Study

**Wednesday, December 22 CA-2 – DA-3**

 6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-9:00 ITE Review **MK**

 Dr. Poovathoor

Goal: To pass written Board Exam and score greater than a 70th percentile on ITE

Objective: To complete practice board questions

9:00-10:45 CA-2’s and DA-3’s, Outpatient Anesthesia

 **MK,IPC,PC,P,SBP***/QI,PS,TC,SV*

 Dr. Moore

 Required reading: Barash, Clinical Anesthesia, Chapters 31 & 32

 Goal: To understand management of the patient for outpatient surgery.

 Objective: At the conclusion of this seminar, residents will demonstrate competence in:

1. Describing risks and prevention of PONV, including the following medications
	1. Phenothiazines
	2. Butyrophenones
	3. Metoclopramide
	4. Antacids
	5. Anti-cholinergics
	6. Serotonin antagonists
	7. Anti-histamines
	8. Proton pump inhibitors
2. Describing retro- and peribulbar blocks and their complications.
3. Understanding discharge criteria (including Aldrete score).
4. Postop follow up including following up on continuous nerve blocks.
5. Understanding patient selection and anesthetic management for “fast tracking” (including definition of the term)
6. Describing IV regional techniques (Bier block): mechanism, agents used, indications, contraindications, techniques, complications.

7. Understanding etiology and management of postoperative recall.

10:45-12:00 Oral Board Prep **MK,ICS,PBLI,P,SBP***/PS,PF,TC*

Dr. Jasiewicz

Goal: To pass Oral Board Exam

Objective: To participate in a Mock Oral Board Exam

**12:00-12:30** **LUNCH WITH THE CHAIRMAN**

12:30-2:00 Q.I. Project **SBP,IPC,PBLI/***QI*

 Group work on Q.I. Project – data, manuscript design and writing

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

2:00-3:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Giordano

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

3:00-4:00         Sim Session **PC,P,PBLI,IPC,SBP***/PS,QI,P,TC*

Drs. Corrado and Tateosian

                                    **( SIM CENTER RESERVED – 1 Lab )**

Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on Q.I. Project

Goal: To improve one’s clinical practice.

Objective: To receive performance feedback to improve clinical practice

4:00-4:15 - Evaluation Completion and Feedback Review

                                 **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

           2. To review feedback on clinical performance and knowledge base and practice habits

4:15-5:00 Independent Study

**Wednesday, December 29 CA-3**

6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam

Objectives: To review written exam content

8:00-10:00 CA-3’s Written Board / ITE Review **MK**

 Dr. Poovathoor

Goal: To pass written board exam and score greater than 70th percentile on ITE

Objective: To complete practice board questions

 10:00-12:00 Substance Abuse, Session III **P, SBP, ICS***/PS,PF*

 Dr. Moore

 Goal: To provide an overview of substance abuse policies, resources and addiction behaviors.

 Objectives:

1. Discuss resources available
2. Discuss signs of abuse or drug diversion
3. Discuss what to do if suspect colleague is diverting or abusing

**12:00-12:30** **LUNCH WITH THE CHAIRMAN**

12:30-1:30 PBLD: Trauma Case **MK, PBLI, SBP, IPC, PC***/PF,QI,PS*

 Dr. Corrado

 Required Reading: Morgan & Mikhail, Chapter 39

Goal: To discuss the management of a complicated anesthetic case

Objective: To identify the perioperative and intraoperative challenges in providing anesthetic care during a complicated case

1:30 – 2:30 Senior Grand Rounds Presentations **PBLI,P, ICS, MK***/P*

 Dr. Costa

Goal: To give an effective Grand Rounds presentation as a CA-3 resident

Objective: To receive constructive feedback on one’s Grand Rounds presentation

2:30-3:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Gidicsin

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

3:00-4:00         Sim Session **PC,P,PBLI,IPC,SBP***/PS,QI,P,TC*

Drs. Corrado and Tateosian

                                    **( SIM CENTER RESERVED – 1 Lab )**

Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on Q.I. Project

Goal: To improve one’s clinical practice.

Objective: To receive performance feedback to improve clinical practice

 4:00-5:00 Independent Study

**Wednesday, January 5 CA-1-DA-2**

6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-9:15 Intro to Chronic Pain **MK,PC,P***/P*

Dr. Caldwell

Goal: To introduce the basics of chronic pain management

Objectives:

1. To discuss different pain treatment modalities

2. To identify patient risk factors for opioid addiction

9:15-10:30 M & M Review: Morgan & Mikhail Chapters 23 & 26 **MK**

 Dr. Kogan

 Topic: Respiratory Physiology and Neurophysiology

Goal:  To pass the Basic Exam

Objective:  To review Basic Exam content

10:30-11:30 Key Words: General

 Dr. Kogan

Goal: To pass written boards

Objective: To Review topics from previous board exams

11:30-12:00 Review of Reimbursement Process **SBP**

John Rohan, Department Administrator

Goal: To understand how to get reimbursed for professional and education-related purchases

Objective: To review the Certify reimbursement process

**12:00-12:30** **LUNCH WITH THE CHAIRMAN**

 12:30-3:00 CA-1’s and DA-2’s, AKT-6, Joan Claeson **MK, P**

 3:00-4:00 Q.I. Project and Sim Session **PC,P,PBLI,IPC,SBP***/PS,QI,P,TC*Drs. Corrado, Tateosian, Bennett-Guerrero, Romeiser

 **( SIM CENTER – NOT RESERVED YET )**

Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on Q.I. Project

Goals:

 1. To participate in a quality improvement and/or patient safety initiative

            2. To improve one’s clinical practice

Objectives:

1. To be a participating member of a QI project

            2. To receive performance feedback to improve patient safety and clinical practices

4:00-4:15 Evaluation Completion and Feedback Review

                                **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

           2. To review feedback on clinical performance and knowledge base and practice habits

 4:15-5:00 Independent Study

**Wednesday, January 12** **CA-2-DA-3**

 6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-9:30 CA-2 Thermoregulation, Hypothermia, MH and Anesthesia Complications **MK,PC/***PS*

 Dr. Gidicsin

 Required reading: Morgan and Mikhail, Chapters 52 & 54

 Goals: To discuss anesthetic complications, hypothermia and MH

 Objectives: To describe the risks and management of patients with anesthesia related complications

9:30-10:30 Keywords: ICU **MK, PC, SBP, IPC, PBLI, P/***PS*

 Dr. Gidicsin

Goal: To pass written boards

Objective: To Review ICU topics from previous board exams

10:30-11:30 CA-2’s and DA-3’s, Pediatric Anesthesia II

 **MK, IPC, PBLI, PC, P, SBP** ***/****SV,PS,QI*

 Dr. Jasiewicz

Required reading: Barash, Clinical Anesthesia, Chapter 43

Goal: Manage advanced pediatric surgical cases.

 Objectives: At the conclusion of this seminar, residents will demonstrate competence in:

1. Describing the anesthetic management of the pediatric patient with:
	1. Pierre-Robin syndrome
	2. Treacher-Collins
	3. Trisomy 21
	4. Epiglottitis
	5. Muscular dystrophy
	6. History of prematurity

g. Full stomach.

1. Describing the anesthetic management of a patient with an inhaled foreign body.

3. Describing management of a pediatric cardiac arrest

11:30-12:00 Class Meeting with Dr. Schabel

**12:00-12:30**   **LUNCH WITH THE CHAIRMAN**

12:30-1:30 Health Care Disparities **MK, SBP, P**

 Dr. Saunders

Goal: to discuss the impact of disparity within health care.

Objectives:

1. To identify the elements of health disparity

2. to discuss the possible solutions to eliminate health care disparities

1:30-3:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Giordano

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

3:00-4:00 Sim Session **PC,P,PBLI,IPC,SBP***/PS,P,TC*Drs. Corrado and Tateosian

 **( SIM CENTER – NOT RESERVED YET )**

 Residents Not Assigned to Sim Session: Work on Q.I. Project and study

Goals:

 1. To improve one’s clinical practice

Objective:

1. To receive performance feedback to improve patient safety and clinical practices

4:00-4:15 Evaluation Completion and Feedback Review

                                 **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

           2. To review feedback on clinical performance and knowledge base and practice habits

 4:15-5:00 Independent Study

**Wednesday, January 19 CA-3**

**( HSC, Level 2, Classroom 2-1B )**

6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-10:30 CA-3’s, Advanced acid base concepts, management of shock

 **K, PC, PBLI, IPC***/PS,QI*

Dr. Poovathoor

 Required reading: Barash, Clinical Anesthesia, Chapter 16

 Goal: To understand advanced concepts in acid-base management.

 Objectives: At the conclusion of this session, the resident will demonstrate competence in:

1. Describing the etiology/classification/pathophysiology of septic/cardiogenic/anaphylactic/and spinal shock.
2. Describing the systemic inflammatory response and mediators of shock.
3. Identifying normal acid base regulation/buffer systems/compensatory mechanisms/effect of imbalance on electrolytes/organ perfusion.
4. Understanding strong ionic difference.
5. Calculating the Anion gap
6. Understanding the temperature effect on blood gases (alpha and pH stat)
7. Identifying respiratory biochemistry as a buffer system
8. Understanding management of vasoactive agents in shock including vasopressin.

10:30-12:00 ITE Review **MK**

 Dr. Poovathoor

Goal: To prepare for the In-Training Exam

Objective: To complete practice In-Training Exam questions

**12:00-12:30**   **LUNCH WITH THE CHAIRMAN**

12:30-1:00 Class Meeting with Dr. Schabel

1:00-2:00 Mock Orals for the CA-2 Class **P,ICS,PBLI,MK***/PF,PS*

 Dr. Gupta

Goal: To prepare for Oral Board Exam

 Objective:

1. To complete a mock Oral Board Exam

2. To identify areas in need of further study or development for oral board exam preparation

2:00-3:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Gidicsin

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

3:00-4:00 Sim Session **PC,P,PBLI,IPC,SBP***/PS,P,TC*

 Drs. Corrado, Tateosian

 **( SIM CENTER - NOT RESERVED YET )**

Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on Q.I. Project and Study

Goal:

1. To improve one’s clinical practice

Objective:

1. To receive performance feedback to improve patient safety and clinical practices

4:00-4:15 Evaluation Completion and Feedback Review

                                **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

2. To review feedback on clinical performance and knowledge base and practice habits

 3:45-5:00 Independent Study

**Wednesday, January 26 CA-1-DA-2**

6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00 – 9:00 CA-1’s and DA-2’s Gastric Ultrasound **MK, PC, SBP, IPC, PBLI/***PS*

 Dr. Epstein

 Goal: Understand gastric ultrasound and visualize gastric content.

Objective: Identify gastric structures and content.

9:00- 12:00 CA-1’s and DA-2’s Monitors and Equipment **MK, IPC, SBP***/PS*

Dr. Moller

 Required reading: Morgan and Mikhail, Chapters 4, 5 & 6

Goal: To understand the essential components of intraoperative monitoring and equipment.

 Objectives: At the end of this seminar, the resident will demonstrate competence in:

1. Defining the properties of gases, liquids and vapors: diffusion of gases, solubility coefficient, relative and absolute humidity, critical temperature and pressure.
2. Describing vaporizer function: calculation of anesthetic concentration.
3. Identifying types of vaporizers and safety features.
4. Understanding flow velocity, viscosity, density, laminar and turbulent flow, Poisseuille equation.
5. Understanding function of flowmeter, rotameter, Reynold’s number.
6. Describing CO2 absorption: principles, canisters, efficiency and potential toxicity of absorbents – compound A, carbon monoxide, fires.
7. Describing transducers, regulators, medical gas cylinders.
8. Interpreting CVP, PA, LVEDP, PaO2 and inaccuracies with cardiac output monitoring.
9. Describing EEG monitoring – raw/processed, wave patterns and BIS.
10. Identify causes of PETCO2-PaCO2 gradient.
11. Trouble shooting a damped line.

10:00-11:00 Basics of TEE **MK/***PC*

 Dr. Moller

 Goal: To understand basics of TEE

 Objective: To describe TEE cardiac issues and common pathology visualized on TEE

 **( SIM CENTER AND TEE MACHINE - ( SIM CENTER – NOT RESERVED YET )**

**12:00-12:30 LUNCH WITH THE CHAIRMAN**

12:00-1:30 M & M Reviews: Morgan & Mikhail Chapters 17 & 20 **MK**

 Dr. Giordano

 Topic: Adjuncts to Anesthesia and Cardiovascular Physiology

Goal:  To pass the Basic Exam

Objective:  To review Basic Exam content

1:30-3:30 TTE Workshop **PC,MK**

Dr. Schwartz

Goal: To perform TTE

Objectives:

1. Describe bedside TTE techniques

2. Identify cardiac veins with TTE

3. Describe benefits and limitations of TTE

**( SIM CENTER – NOT RESERVED YET )** **- 1 Lab and Standardized Patient – Thin Male )**

3:30-4:30 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Zabirowicz

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

4:30-5:00 Evaluation Completion and Feedback Review

                                **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

           2. To review feedback on clinical performance and knowledge base and practice habits

**Wednesday, February 2 CA-2 – DA-3**

6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00 – 10:00 Substance Abuse, Session II **P, SBP, ICS***/PS,PF*

 Dr. Moore

 Goal: To provide an overview of substance abuse policies, resources and addiction behaviors.

 Objectives:

1. Discuss stress management in the setting of easy access to drugs
2. Discuss signs resources available to residents

10:00-11:30 CA-2’s and DA-3’s, Ethics **MK, IPC, PC, P, SBP***/PS,QI,SV*

 Dr. Richman

 Goals: To discuss the role of medical ethics in anesthesia related care

 Objectives: At the conclusion of this seminar, residents will demonstrate competence in:

1. Discussing end of life issues, advance directives, DNR orders, coordination of care,

 communication with family for organ donation and harvest.

2. To understand the role of ethics during patient care.

11:30-12:00 Class Meeting with Dr. Schabel

**12:00-12:30** **LUNCH WITH THE CHAIRMAN**

12:30-1:30 Mock Orals **P,ICS,MK,PBLI***/PF,PS*

 Dr. Fischl

Goal: To pass oral anesthesia board exam.

Objectives: To review oral exam content and techniques

1:30-2:30 CA-2’s and DA-3’s, Offsite Anesthesia **MK, IPC, SBP, PC, P**

 Dr. Beg

Required reading: Morgan and Mikhail, Chapter 44

Goal: To understand and manage anesthesia in remote and free-standing sites.

Objectives: At the conclusion of this seminar, residents will demonstrate competence in:

1. Understanding anesthetic and monitoring concerns during special procedures (CT, MRI).
2. Describing anesthetic management for laser surgery: laser safety, laser-safe ETT,
3. airway fires.
4. Describing anesthetic management for liposuction and ECT’s. (Generally not at the
5. same time.)
6. Understanding ASA guidelines for sedation and sedation guidelines for non
7. anesthesiologists.
8. Describing necessary equipment for offsite procedures.
9. Understanding need for “chain of communication” in case help is needed off-site.
10. Understanding importance of team training and coordination in off-site anesthesia cases.

2:30-3:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Giordano

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

 3:00-4:00 Q.I. Project and Sim Session **PC,P,PBLI,IPC,SBP***/PS,QI,P,TC*

Drs. Corrado and Tateosian

 **( SIM CENTER – NOT RESERVED YET )**

Goal:

 1. To improve one’s clinical practice

Objective:

1. To receive performance feedback to improve patient safety and clinical practices

4:00-4:15 Evaluation Completion and Feedback Review

                                **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

           2. To review feedback on clinical performance and knowledge base and practice habits

 4:15-5:00 Independent Study

**SATURDAY, FEBRUARY 5 - ITE**

**Wednesday, February 9 CA-3**

6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-9:30 Keywords: Chronic Pain Topics **MK**

Dr. Kaushal

Goal: To pass written boards

Objective: To Review topics from previous board exams

9:30-11:00 Mock OSCE **MK**

Dr. Poppers and Gupta

Goal: To pass Applied Exam

Objective: To practice Applied Examination process

11:00-12:00 CA-3’s, Rare Diseases and Techniques **MK, IPC, PC, SBP***/PS,QI,PF,S*

 Dr. Jasiewicz

 Required reading: Barash, Clinical Anesthesia, Chapter 24

 Goal: Manage rare diseases encountered in anesthetic practice.

Objectives: At the conclusion of this seminar, residents will demonstrate competence in:

1. Describing the anesthetic management of patients with:
	1. MH
	2. Porphyria
	3. Pseudocholinesterase deficiency
	4. Myasthenia gravis/myasthenic syndromes
	5. Eaton-Lambert syndrome
	6. Muscular dystrophy
	7. Prolonged QT syndrome
	8. Polycythemia vera : primary and secondary polycythemia
	9. Charcot-Marie Tooth disease
	10. Donnie and Marie Osmond disease
	11. Guillian-Barre
	12. Multiple sclerosis
	13. ALS
	14. Mitochondrial myopathies
	15. Prolonged immobilization.
2. Describing anesthetic management of patients with
	1. Ion channel myotonias
	2. Acquired neuromyotonia
	3. Myotonia congenital
	4. Hyperkalemic periodic paralysis
	5. Hypocalcemic periodic paralysis
3. Describing anesthesia conducted at high altitude
4. Understanding hyperbaric oxygen and anesthesia care.

12:00-12:30 **LUNCH WITH THE CHAIRMAN**

12:30-1:30 Inside the OSCE’s **SBP, PC, IPC, P, PBLI**

Dr. Adrian Fischl

 Goal: to pass the OSCE Exam

 Objective: To learn about the OSCE experience from a recent examinee

1:30-2:00 Program Feedback **SBP, IPC, P, PBLI***/P, FM, SV*

 Dr. Costa

Goal: To provide honest and constructive feedback on rotations, work hours, work dynamics, fatigue management.

Objective: To provide constructive feedback on the residency program

2:00-3:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Gidicsin

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

 3:00-4:00 Sim Session **PC,P,PBLI,IPC,SBP***/PS,P,TC*

Drs. Corrado, Tateosian

 **( SIM CENTER – NOT RESERVED YET)**

Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on Q.I. Project or Study

Goal:

 1. To improve one’s clinical practice

Objective:

1. To receive performance feedback to improve patient safety and clinical practices

4:00-4:15 Evaluation Completion and Feedback Review

                                **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

 2. To review feedback on clinical performance and knowledge base and practice habits

 4:15-5:00 Independent Study

**Tuesday, February 15**

6:00 P.M. Journal Club **PBLI, MK/**PS,QI

 Drs. Landman and Zabirowicz

 **( Microsoft Teams )**

 Goal: To develop evidence-based medicine related skills

Objectives:

1. To locate scientific information

2. To use information technology

3. To appraise and assimilate evidence form scientific studies

 4. To discuss application of scientific information to patient care

**Wednesday, February 16 CA-1-DA-2**

6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-10:00 The Surgical Airway **PC, MK**

Drs. Epstein and Boorin

 **(PLEASE RESERVE BIG CONFERENCE ROOM IN ANES DEPT)**

Goal: To enhance surgical airway skills

Objective: To perform a surgical airway

10:00-11:00 CA-1’s and DA-2’s Neuromuscular Blockers **MK,PC,SBP,P***/PS,SV*

 Dr. Azim

 Required reading: Morgan and Mikhail, Chapter 11 **or**

 Barash, Clinical Anesthesia, Chapter 21

Goal: To further understand the pharmacology, physiology and effects of neuromuscular relaxant administration.

Objectives: At the end of this seminar, the resident will be able to demonstrate competence in:

1. Understanding membrane potential, action potential, ion flux, synapses and pre/post junctional anatomy and physiology.
2. Understanding depolarization and the role of calcium, actin/myosin and the energy source for depolarization.
3. Describing the following characteristics of depolarizing and non-depolarizing drugs: mechanism of action, pharmacokinetics and dynamics, abnormal responses, prolongation of action, synergism, metabolism and excretion, side effects, toxicity, indications/contraindications, antagonism of blockade, metabolites and twitch monitoring.
4. Describing drug interactions with NM blockers: antibiotics, anti-epileptics, lithium, magnesium, inhalational anesthetics.
5. Understanding elements of pseudocholinesterase deficiency, diagnosis of same. Dibucaine numbers.
6. Describing pharmacokinetics and dynamics of neostigmine and physostigmine.
7. Describing adverse effects of glycopyrrolate.

11:00-12:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Zabirowicz

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

**12:00-12:30 LUNCH WITH THE CHAIRMAN**

12:30-2:00 M & M reviews: Morgan & Mikhail Chapters 29 & 32 **MK**

 Dr. Abola

 Topic: Renal Physiology and Hepatic Physiology

Goal:  To pass the Basic Exam

Objective:  To review Basic Exam content

2:00 -3:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Zabirowicz

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

 3:00-4:00 Sim Session **PC,P,PBLI,IPC,SBP***/PS,P,TC*

Drs. Corrado and Tateosian

 **( SIM CENTER – NOT RESERVED YET )**

Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on Q.I. Project

Goal:

            1. To improve one’s clinical practice

Objective:

            2. To receive performance feedback to improve patient safety and clinical practices

4:00-4:15 Evaluation Completion and Feedback Review

                                **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

           2. To review feedback on clinical performance and knowledge base and practice habits

 4:15-5:00 Independent Study

**Wednesday, February 23 CA-2 – DA-3**

6:30-7:00Keyword Review

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00 – 9:00 Acupuncture **MK, PC, IPC, P,** *PF*

 Dr. Guo

Goal: To understand acupuncture’s mechanisms of pain relief

Objective: To learn the analgesic effects of acupuncture

9:00-11:00 CA-2’s and DA-3’s, Airway II and Pulmonary Principles II

 Dr. Oleszak

 **MK, IPC, PBLI, P, PC, SBP***/PS, QI*

**( SIM CENTER – NOT RESERVED YET )** **– 1 Lab and ½ Classroom )**

Required reading: Morgan and Mikhail, Chapter 28

 Goal: Management of the difficult airway

 Objectives: At the conclusion of this seminar, resident will demonstrate competence in:

 1. Describing and applying the ASA difficult airway algorithm

 2. Describing the following techniques:

 a. Topicalization

 b. Superior laryngeal nerve block

 c. Glossopharyngeal nerve block

 d. Transtracheal block

 e. Retrograde intubation

 f. Fiberoptic intubation

 g. Cricothyrotomy

 h. Esophageal obturator

 i. Transillumination (lightwand) technique

 j. Endobronchial blocker placement and trouble shooting

 3. Describing methods and complications of ETT changes

 4. Understanding the management of partial airway obstruction and use of Heliox

 5. Describing normal and abnormal pulmonary physiology and effects of anesthesia on pulmonary physiology

11:00-12:00 Pediatric Fluid and Electrolyte Management **MK, IPC. PBLI, P**/*PS, PF*

 Dr.Tateosian

 Goal: To manage complicated pediatric cases

 Objective: To discuss management of complicated pediatric cases

**12:00-12:30 LUNCH**

12:30-1:00 Class Meeting with Dr. Schabel

1:00-2:30 Board Review **MK**

Dr. Poovathoor

Goal: To pass written board exam

Objective: To complete practice board questions

2:30-3:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Giordano

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

3:00-4:00 Sim Session **PC,P,PBLI,IPC,SBP***/PS,P,TC*

Drs. Corrado and Tateosian

 **( SIM CENTER – NOT RESERVED YET )**

 Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on Q.I. Project

Goals:

 1. To participate in a quality improvement and/or patient safety initiative

             2. To improve one’s clinical practice

Objectives:

1. To be a participating member of a QI project

            2. To receive performance feedback to improve patient safety and clinical

practices

4:00 – 4:15 Evaluation Completion and Feedback Review

                                **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

           2. To review feedback on clinical performance and knowledge base and practice habits

 3:15-5:00 Independent Study

**Wednesday, March 2 CA-3**

6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-10:00 CA-3’s, ICU II **MK, IPC, PBLI, PC, P, SBP***/PF,PS,QI*

 Dr. Poovathoor

 Required reading: Barash, Clinical Anesthesia, Chapter 57

 Goal: To understand the management of advanced critical care situations.

 Objectives: At the conclusion of this seminar, residents will demonstrate competence in:

1. Understanding diagnosis and treatment of perioperative SIADH.
2. Describing physiology and management of spinal shock.
3. Understanding the role of nitric oxide in the critical care setting.
4. Describing signs, effects, and treatment of drug intoxication (CNS drugs, carbon monoxide, pesticides, nerve gases)
5. Interpreting abnormalities in CXR, chest CT, MRI, brain CT/MRI.

 10:00-11:00 Senior Grand Rounds Presentations **PBLI, ICS, P, MK***/P*

Dr. Costa

 Goal: To give an effective Grand Rounds presentation as a CA-3 resident

 Objective: To receive constructive feedback on one’s Grand Rounds presentation

11:00-12:00 Neuroanesthesia for Advanced Exam **MK**

Dr. Bergese

Goal: To pass Advanced Exam

Objective: To review neuroanesthesia topics for the ABA Advanced Exam outline

12:00-12:30 **LUNCH WITH THE CHAIRMAN**

12:30-2:00 Board Review **MK**

 Dr. Poovathoor

Goal: To pass written board exam

Objective: To complete practice board questions

 2:00-3:00 Alphabet Soup of Retirement Plans - What You Need to Know

 Dr. Abola

 Goal: To be financially secure during retirement

 Objective: To understand the different options related to retirement financial planning

 3:00-4:00 Q.I. Projectand Sim Session **PC,P,PBLI,IPC,SBP***/PS,P, QI, TC*

 Drs. Corrado, Tateosian, Bennett-Guerrero, Romeiser, Gidicsin

 **( SIM CENTER – NOT RESERVED YET )**

 Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Attend QI project session

Goal:

1. To participate in a quality improvement and/or patient safety initiative

2. To improve one’s clinical practice

Objective:

1. To be a participating member of a QI project

2. To receive performance feedback to improve patient safety and clinical practices

4:00-4:15 Evaluation Completion and Feedback Review

                                 **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

 2. To review feedback on clinical performance and knowledge base and practice habits

 4:15-5:00 Independent Study

**Wednesday, March 9 CA-1-DA-2**

6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

 8:00-9:45 CA-1’s and DA-2’s, Neuroanesthesia I **MK, IPC, PC, P, SBP***/PS*

Dr. Kogan

 Required reading: Morgan & Mikhail, Chapters 26 & 27

 Goal: To understand management of neurosurgical patients for spine surgery

 Objectives: At the conclusion of this seminar, residents will demonstrate competence in:

 1. Understanding general anatomy and organization of the spinal cord and spinal cord

 tracts

 2. Describing spinal nerve anatomy: level of exit, sensory distribution and variations of intervertebral configurations

 3. Describing blood supply of spinal cord and its regulation

 4. Understanding evoked potentials (both sensory and motor): morphology, effects of ischemia,

 “stretching”, and anesthetics

 5. Understanding physiology of autonomic hyperreflexia and prevention

 6. Managing extubation of the prone patient. (AAG! Hope you never see this!)

 7. Describing differential diagnosis and treatment of postoperative vision loss

 (Check out the ASA website, they have information on this and other topics.)

8. Interpreting EEG and knowing how surgery and anesthesia affect the EEG

9:45-10:30 Anesthesia for GU Surgery   **MK,PC***/PS*

                        Dr. Costa

                        Required reading:  Morgan and Mikhail, Chapter 32

Goal:  to discuss the anesthesia management of patients undergoing GU Surgery

Objectives:

1.  Cystoscopy

2.  TURP

3.  Lithotripsy

4.  Urological Malignancies

5.  Renal Transplant

10:30-11:45 Board Review and Recap ITE 2021 **MK,PC***/PS*

 Dr. Poovathoor

Goal: to discuss the anesthesiology board/ITE questions and strategies

Objective: to improve boards and ITE knowledge

11:45-12:00 Class Meeting with Dr. Schabel

12:00-12:30 **LUNCH WITH THE CHAIRMAN**

12:30-1:15 CA-1’s and DA-2’s, Wellness Seminar IV **IPC,P***/PF,FM*

 Dr. Moore

**Wellness Session - Life Management Skills**

Goals: To develop an understanding of the need for life management skills to increase productivity, minimize stress, and support an overall sense of well-being.

Objectives:

1. Acknowledge the realities that physicians cope with daily in confronting issues of life and death and identifying tools to maintain concentration, focus and professional demeanor in the workplace

2. Understand the importance of self-care for long term effectiveness

3. How to respond to a critical incident

4. To discuss the elements of resilience

5. Identify elements of fatigue management

6. Identify stressors and increase tools for managing them

 1:15-2:00 CA-1’s and DA-2’s, Wellness Seminar III: **IPC, P, PBLI***/PF*

Communication

 Dr. Moore

Goal: To increase ability to communicate effectively and to increase sensitivity to

the needs of others – both patients and other healthcare team members.

Objectives:

1. Identify patterns of communication that are effective, and those that are ineffective.
2. Develop listening and empathetic responding skills for resolving problems at work
3. Gain strategies for dealing with difficult people/behaviors.

2:00-4:30 IO, Cric and Lung Ultrasound Workshop **PC,MK***/PS*Drs. Viccellio, Weingart and Corrado

 **( SIM CENTER – NOT RESERVED YET)**

Goal: To perform emergent bedside procedures

Objective:

 1. To use EZ IO for IV access

 2. To perform access trachea via cricothyroid membrane

 3. To perform and interpret lung ultrasound

 4:30-5:00 Independent Study

**Wednesday, March 16 CA-2 – DA-3**

6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-10:00 CA-2’s Cardiac Topics I **MK, IPC, PBLI, PC, P, SBP***/PS*

**\* \* \* This Lecture Is Not For DA Residents \* \* \***

 **( DA’s Will Work at Their Clinical Site )**

 Dr. Atkinson  **– Needs Heart Works Room**

 Required reading: Morgan and Mikhail, Chapters 21 & 22

Goal: To discuss the intraoperative monitoring and pharmacology of medications used during cardiothoracic cases.

Objectives: At the end of this learning session, residents should be able to:

1. Interpret cath reports

2. Interpret PA numbers, CVP trace, PA trace

3. Create anesthesia plan for on and off-pump CABG

4. Understand correct choice of vasoactive drips for cardiac support

5. Interpret SVO2 during CPB

6. Discuss inaccuracies of CO monitoring

7. Describe protamine side effects

8. Describe relation between PCWP and LVEDP

9. Describe myocardial O2 supply and demand

10. Describe pulmonary effects of amiodarone

11. Describe signs and symptoms of aortic stenosis

12. Discuss ind’s/contraind’s of IABP

13. Discuss anti-fibrinolysis

14. Discuss pharmacology of Digitalis, phosphodiesterase inhibitors, vasodilators, nesiratide, ACE inhibitors, vasopressin, anti-arrhythmics and anti-anginal medications

15. Understand components of cardiopulmonary bypass

10:00-11:00 Keywords: OB **MK**

 Dr. Costa

Goal: To pass written boards

Objective: To Review topics from previous board exams

**\* \* \* This Lecture Is Not For DA Residents \* \* \***

 **( DA’s Will Work at Their Clinical Site )**

11:00-12:00 Oral Board Prep **MK,ICS,PBLI,P,SBP***/PS,PF,TC*

Dr. Fischl

Goal: To pass Oral Board Exam

Objective: To participate in mock Oral Board Exam

**12:00-12:30 LUNCH WITH THE CHAIRMAN**

12:30-2:00 Pediatric Regional Anesthesia **MK, IPC. PBLI, P**/*PS, PF*

 Dr. Moore

 Goal: To manage complicated pediatric cases

 Objective: To discuss management of complicated pediatric cases

2:00-3:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Giordano

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

 3:00-4:00 Sim Session **PC,P,PBLI,IPC,SBP***/PS,QI,P,TC*Drs. Corrado and Tateosian

 **( SIM CENTER – NOT RESERVED YET )**

 Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on Q.I. Project

Goal:

 1. To improve one’s clinical practice

Objective:

1. To receive performance feedback to improve patient safety and clinical practices

3:00-3:15 Evaluation Completion and Feedback Review

                                **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

2. To review feedback on clinical performance and knowledge base and practice habits

 3:15-5:00 Independent Study

**Tuesday, March 22**

6:00 P.M. Journal Club **PBLI, MK/**PS,QI

 Drs. Landman and Zabirowicz

 **( Microsoft Teams )**

 Goal: To develop evidence-based medicine related skills

Objectives:

1. To locate scientific information

2. To use information technology

3. To appraise and assimilate evidence form scientific studies

 4. To discuss application of scientific information to patient care

**Wednesday, March 23 CA-3**

6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-10:00 CA-3’s, Advanced Pediatrics **MK, IPC, PBLI, PC, P, SBP***/PS,QI,TC,SV*

Dr. Jasiewicz

 Required reading: Barash, Clinical Anesthesia, Chapter 43

 Goal: To manage complex neonatal surgical cases.

 Objectives: At the conclusion of this seminar, the resident will demonstrate competence in:

 1. Understanding neonatal respiratory physiology; pulmonary O2 toxicity, bronchopulmonary dysplasia, lung volumes (how they differ from adults), surfactant production, retinopathy of immaturity.

 2. Understanding neonatal cardiovascular physiology, transitioning from fetal to neonatal circulation, persistent fetal circulation, and fetal hemoglobin.

 3. Describing the anatomic anomalies and management of: pyloric stenosis, gastroschsis, omphalocoele, myelomeningocele, pulmonary atresia, tracheoesophageal fistula, necrotizing enterocolitis, and congenital diaphragmatic hernia with a pneumothorax.

 4. Describing cyanotic and acyanotic congenital heart disease along with altered uptake and distribution of IV and inhaled agents (which, truth to tell, are more theoretical than clinically relevant, gang)

 5. Describing the respiratory function of patients with Tetralogy of Fallot

10:00-11:00 Senior Grand Rounds Presentations **PBLI, ICS, P, MK***/P*

Dr. Costa

 Goal: To give an effective Grand Rounds presentation as a CA-3 resident

 Objective: To receive constructive feedback on one’s Grand Rounds presentation

11:00-12:00 Mock OSCE **MK,ICS,PBLI,P,SBP***/PS,PF,TC*

Dr. Poppers and Gupta

Goal: To pass Applied Exam

Objective : To participate in a mock OSCE

12:00-12:30 **LUNCH WITH THE CHAIRMAN**

 12:30-5:00 BLS with Dr. Vitkun

**Wednesday, March 30 CA-1-DA-2**

6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-10:00 Basic Exam Review **MK**

Dr. Poovathoor

Goal: To pass Basic Exam

Objective: To review topics from previous Basic Exams

10:00-12:00 Basics of Regional Anesthesia and Pain Management I. **SBP, PC***/PS,QI,SV*

 Dr. Page

 Required reading: Morgan and Mikhail, Chapters, 45 & 48

Goal: To understand the basic principles and of the pathophysiology of acute pain and regional anesthesia

Objectives: At the conclusion of this seminar, residents will demonstrate competence in:

1. Describing pharmacology of common pain medications: opioids, agonist/antagonists, alpha-2 agonists, NSAIDS, NMDA blockers.
2. Understand multimodal pain management.
3. Describe the mechanisms of action of local anesthetics
4. Understand regional anesthesia equipment
5. Learn topographic anatomy and landmarks
6. Describing routes of drug administration: oral, subq, transcutaneous, transmucosal, IM, IV, PCA, PCEA, intrapleural, nerve blocks, thoracic vs lumbar epidurals.
7. Epidural and nerve block considerations with anti-coagulation.

Clopidogrel, mechanism of action.

1. Understand side effects of commonly administered pain medications: opioids, ketamine, alpha-2 agonists, agonist/antagonists, NSAIDS.
2. Describe local anesthetic toxicity:
3. Risk factors at various block sites
4. Signs and symptoms of toxicity
5. Management, including use of lipid emulsion.
6. Managing side effects of epidural analgesia.
7. Discussing risks and benefits of post pain control modalities.
8. Managing PCA and epidural infusions for postop pain control.

**12:00-12:30 LUNCH WITH THE CHAIRMAN**

12:30-1:30 Neurophysiology Basics **MK,PC**

 Dr. Sergio Bergese

Goal: To understand the basics of neurophysiology

Objectives:

1. To describe the factors influencing cerebral blood flow, metabolism and intracranial pressure

2. To describe normal neurophysiology

3. To describe causes of abnormal neurophysiology

4. To identify anesthetic techniques for both normal and abnormal neurophysiology

5. EEG waveforms and BIS

1:30-2:30 M & M Reviews: Morgan & Mikhail Chapters 50 & 51 **MK**

 Dr. Gidicsin

 Topic: Acid Base Management and Fluid/Blood Component Therapy

Goal:  To pass the Basic Exam

Objective:  To review Basic Exam content

2:30-3:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Zabirowicz

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

 3:00-4:00 Sim Session **PC,P,PBLI,IPC,SBP***/PS,P,TC*

Drs. Corrado and Tateosian

 **( SIM CENTER – NOT RESERVED YET )**

Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on evaluations and independent study

 Goals:

 1. To improve one’s clinical practice

Objectives:

1. To receive performance feedback to improve patient safety and clinical practices

4:00-4:15 Evaluation Completion and Feedback Review

                                **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

           2. To review feedback on clinical performance and knowledge base and practice habits

 4:15-5:00 Independent Study

**Wednesday, April 6 CA-2 – DA-3**

6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-9:30 CA-2’s and DA-3’s - Keywords: Chronic Pain **MK**

Dr. Kaushal

Goal: To pass written boards

Objective: To review topics from previous board exams

9:30-10:30 Malignant Hyperthermia (MH) **MK,PC***/PS*

Dr. DeLemos

Goal: To describe the management of MH

Objectives:

1. To identify the triggers of MH

2. To describe the signs and symptoms of MH

3. To describe the current treatment options of MH

10:30-10:45 Class Meeting with Dr. Schabel

10:45-11:00 Evaluation Completion and Feedback Review

                                 **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

           2. To review feedback on clinical performance and knowledge base and practice habits

11:00 – 12:00 Management Skills **P***/P*

 Dr. Gan

Goal: To understand organizational culture and decision making

Objective: To discuss making changes in an organization, managing conflicts, negation and

advising

**12:00-12:30 LUNCH WITH THE CHAIRMAN**

12:30-2:30 CA-2’s ICU **MK, IPC, PC, P, SBP***/PS,QI,SV*

**\* \* \* This Lecture Is Not For DA Residents \* \* \***

 **( DA’s Will Work at Their Clinical Site )**

 Dr. Poovathoor

 Required reading: Morgan and Mikhail, Chapters, 50, 53

 Goals: To manage common conditions in the ICU

Objectives: At the conclusion of this seminar, residents will demonstrate competence in:

1. Describing the physiologic consequences of positive pressure ventilation, including effect on renal blood flow.
2. Understanding management of ARDS and potential complications of PEEP (barotraumas, decreased venous return)
3. Describing volume targeted ventilation and complications.
4. Understanding oxygen toxicity and the idea of “best PEEP”.
5. Describing criteria for ventilator weaning.
6. Describing management of pulmonary embolus.
7. Understanding causes of decreased SvO2.
8. Describing TPN and its complications.
9. Describing use of ultrasound for line placement.

2:30-3:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Giordano

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

 3:00-4:00 Sim Session **PC,P,PBLI,IPC,SBP***/PS,P,TC*

Drs. Corrado, Tateosian

 **( SIM CENTER – NOT RESERVED YET )**

 Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on Q.I. Project

Goal:

1. To improve one’s clinical practice

Objective:

1. To receive performance feedback to improve patient safety and clinical practices

 4:00-5:00 Independent Study

**Wednesday, April 13 CA-3**

6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-10:00 CA-3’s, Uncontrolled Conditions and Endocrine Disorders

 **MK, IPC, PC, SBP***/PS,QI,SV*

 Dr. Azim

 Required reading: Barash, Clinical Anesthesia, Chapter 47 **or**

 Morgan and Mikhail, Chapter 35

 Goal: To manage hemodynamic and endocrine emergencies.

Objectives: At the conclusion of this seminar, resident will demonstrate competence in:

1. Describing anesthetic implications of and management of emergency surgery in the setting of:
	1. Hyper/hypoglycemia
	2. DKA
	3. Myxedema coma
	4. Thyroid storm
	5. Previously undiagnosed pheochromocytoma
2. Describing anesthetic management for the patient with open globe injury and full stomach.
3. Understanding, optimizing for surgery, and managing pheochromocytoma.
4. Describing effects of hypopituatarism, including management of diabetes insipidus.
5. Describing effects of hyperpituatarism, including acromegaly and associated airway issues.
6. Understanding SIADH and its management.
7. Understanding management of patients with Cushing’s disease, primary aldosteronism, Addison’s, and carcinoid syndrome.
8. Describing physiologic effects and postop manifestations and treatment of hyper- and hypoparathyroidism.
9. Describing the complications of thyroid surgery
	1. Hypocalcemia
	2. Hematoma
	3. Recurrent nerve injury
	4. Tracheomalacia

10:00-11:00 Mock Orals **P,ICS,MK,PBLI***/PF,PS*

 Dr. Giordano

Goal: To pass oral anesthesia board exam.

Objectives: To review oral exam content and techniques

11:00-12:00 Case Review **P,PC,IPC/***PS,QI,P*

 Dr. Schabel

Goal: To understand the malpractice process

Objective: To review the key elements of a malpractice case

12:00-12:30 **LUNCH WITH THE CHAIRMAN**

12:30-5:00 ACLS Recertification

 Dr. Vitkun

**Wednesday, April 20 CA-1 – DA-2**

6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

 7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-10:00 CA-1’s and DA-2’s, Pediatric Anesthesia I

 **MK, IPC, PC, P, SBP***/PS,QI,SV,TC*

 Dr. Jasiewicz

 **Simulation – Dr. Corrado**

 Required reading: Morgan and Mikhail, Chapter 42

 **( SIM CENTER – NOT RESERVED YET )**

Goal: To understand management of the uncomplicated pediatric patient.

 Objectives: At the conclusion of this seminar, residents will demonstrate competence in:

1. Describing how the pediatric patient differs from the adult – physiology, lung volumes, airway, calculation of blood volume, TBW content.
2. Understanding thermoregulation in the pediatric patient.
3. Describing perioperative fluid management and glucose requirements in the pediatric population.
4. Describing NPO guidelines to include all liquids (formula vs breast milk)
5. Understanding perioperative management of the pediatric patient with URI.
6. Describing indications for transfusions and risks of same.
7. Describing induction techniques for pediatric patients:
	1. Inhalation
	2. IV
	3. Rectal
	4. IM “darting”
	5. Neuromuscular blockers for intubation (pros/cons, to include special concerns for sux)
8. Understanding premedication administration: drugs, dose, route (nasal, PO, IM, rectal)
9. EMLA cream use.
10. Parental presence at induction.
11. Describing regional anesthesia for peds patient.
12. Kiddie caudals, landmarks and technique.
13. Understanding the laryngospasm algorithm.

10:00-12:00 Basic Exam Prep **MK**

Dr. Poovathoor

Goal: To pass Basic Exam

Objective: To complete practice board questions

**12:00-12:30 LUNCH WITH THE CHAIRMAN**

12:30-1:30 Computer-Based Anesthesia Simulation **MK,PC,PBLI**

Dr. Oleszak

Goal: To perform a general anesthetic using a computer model

Objective: To identify the elements and effects of general anesthesia during a computer-based

case.

1:30-2:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

2:00-5:00 Regional Block **MK, PC**

Dr. Willoughby

 **( SIM CENTER - NOT RESERVED YET )**

 1 Standard Patient ( Thin Male – 2:00-4:00 P.M. )

 1 Lab

Goal: To learn ultrasound scanning techniques

Objective: To demonstrate proper ultrasound scanning techniques

**Wednesday, April 27** **CA-2-DA-3**

6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-10:45 CA-2 AKT-24 and Board Review **MK**

 Dr. Poovathoor

 Goal: To pass written board exam

Objective: To complete practice board questions

10:45-11:00 Class Meeting with Dr. Schabel

11:00-12:00 Neuromonitoring **MK,PC**

 Dr. Sergio Bergese

Goal: to understand the role of neuromonitoring during neurosurgical operative procedures

Objectives:

1. To describe intraoperative neuromonitoring techniques

2. To interpret and understand the significance of neuromonitoring techniques and EEG monitoring

**12:00-12:30 LUNCH WITH THE CHAIRMAN**

12:30-1:30 Pediatric Difficult Airway **MK, IPC. PBLI, P**/*PS, PF*

 Dr. Tateosian

 Goal: To manage complicated pediatric cases

 Objective: To discuss management of complicated pediatric cases

1:30-2:30 “Lessons Learned” **MK, IPC, PBLI, P**/*PS,PF*

Dr. Daoud

Goal: To transition easily to independent practice

 Objectives:

1. To identify common challenges in first year of practice
2. To identify areas in need of further study or development for clinical practice

2:30-3:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Giordano

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

 3:00-4:00 Sim Session **PC,P,PBLI,IPC,SBP***/PS,P,TC*

Drs. Corrado and Tateosian

 **( SIM CENTER – NOT RESERVED YET )**

 Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on Q.I. Project

Goal:

 1. To improve one’s clinical practice

Objective:

1. To receive performance feedback to improve patient safety and clinical practices

4:00-4:15 Evaluation Completion and Feedback Review

                                 **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

           2. To review feedback on clinical performance and knowledge base and practice habits

 4:15-5:00 Independent Study

**Wednesday, May 4 CA-3**

6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-9:30 The Surgical Airway **PC, MK**

Drs. Epstein and Boorin

 **(RESERVE BIG CONFERENCE ROOM IN ANESTHESIA DEPT)**

Goal: To enhance surgical airway skills

Objective: To perform a surgical airway

9:30-10:30 CA-3’s, OR Management **SBP***/SV*

 Dr. Rosenfeld

Goals: To understand the complexities of OR management.

Objectives: At the conclusion of this seminar, residents will demonstrate competence in:

1. Understanding how OR’s run.
2. Understanding Medicare/Medicaid requirements
3. Understanding costs of medical/anesthesia care.
4. Understanding elements of patient safety:
	1. Medication errors
	2. Adverse events
	3. Sentinel events
	4. Mandatory and voluntary reporting systems
	5. Legal requirements of reporting adverse events.
5. Describing the process of disclosing errors to patients.
6. Understanding process-based and evidence-based safety practices.

10:30- 11:30 Exit Survey and Program Review

 Dr. Schabel

11:30-5:00 CA-3 Board Review

 Dr. Poovathoor all-day board review

Goal: to become board certified

Objectives: To review topics of ABA Advanced exam

**Wednesda**y**, May 11 CA-1 – DA-2**

6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-10:30 CA-1 Basic Exam Review **MK**

 Dr. Poovathoor

Goal: To pass written board exam

Objective: To complete practice board questions

10:30-11:30 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Zabirowicz

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

**11:30-12:00** **LUNCH**

12:00-5:00 BLS Recertification **MK,PC,IPC,PBLI,SBP,P***/PS,PF*

 Dr. Vitkun

 Goal: To be BLS certified

 Objective: Complete BLS recertification

**Tuesday, May 17**

6:00 P.M. Journal Club **PBLI, MK/**PS,QI

 Drs. Landman and Zabirowicz

 **( Microsoft Teams )**

 Goal: To develop evidence-based medicine related skills

Objectives:

1. To locate scientific information

2. To use information technology

3. To appraise and assimilate evidence form scientific studies

 4. To discuss application of scientific information to patient care

**Wednesday, May 18 CA-2-DA-3**

6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-10:30 CA-2’s Cardiac Topics II **MK, IPC, PBLI, PC, P, SBP***/PS*

**\* \* \* This Lecture Is Not For DA Residents \* \* \***

 **( DA’s Will Work at Their Clinical Site )**

 Dr. Zabirowicz

 Required reading: Barash, Clinical Anesthesia, Chapters 27 & 39

Goal: To manage advanced cardiac operations

Objectives: At the conclusions of this seminar, residents will demonstrate competence in:

1. Managing a complex weaning from cardiopulmonary bypass:

 a. Dysrhythmias

 b. Bleeding

 c. Hypokinesis

 d. Diastolic dysfunction

2. Describing indications and limitation of intra-aortic balloon pumps, ventricular assist

 devices.

3. Describing differential diagnosis for pulmonary hypertension and management.

4. Understanding effects of preload on CHF, right ventricular, and cardiogenic shock management.

5. Understanding constrictive pericarditis

 a. Etiology

 b. Diagnosis via TEE

 c. Diagnosis via PA

 d. Anesthetic management

6. Understand coronary blood flow and its regulation

7. Understand effects of triple vessel disease on coronary blood flow

10:30-12:00 Hemachron, Hemocue Recertification **MK/PC,SBP***/PS*

Laura Holst

Goal: To be certified in Hemocue and Hemochron

Objective: To complete recertification for Hemocue and Hemochron instruments

**12:00-12:30 LUNCH WITH THE CHAIRMAN**

12:30-1:30 Mock Orals **P,ICS,MK,PBLI***/PF,PS*

 Dr. Kogan

Goal: To pass oral anesthesia board exam.

Objective: To review oral exam content and techniques

 1:30-2:30 Academic Medicine Panel Session

 Drs. Gan, Bennett-Guerrero, Bergese and Giordano-Factor

 Goal: To understand a career in Academic Medicine

 Objectives: 1. To discuss the trajectory for an anesthesiologist in academic medicine

2. To review the pros and cons of an academic career

2:30-3:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Giordano

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

3:00-4:00         Sim Session **PC,P,PBLI,IPC,SBP***/PS,QI,P,TC*

Drs. Corrado and Tateosian

                                    **( SIM CENTER - NOT RESERVED YET )**

Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on Q.I. Project

Goals:

 1. To participate in a quality improvement and/or patient safety initiative

            2. To improve one’s clinical practice

Objectives:

1. To be a participating member of a QI project

            2. To receive performance feedback to improve patient safety and clinical practices

4:00-4:15 Evaluation Completion and Feedback Review

                                **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

           2. To review feedback on clinical performance and knowledge base and practice habits

 4:15-5:00 Independent Study

**Wednesday, May 25 CA-3**

6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-5:00 Preparation for Graduation

Dr. Poovathoor

**Wednesday, June 1 CA-1-DA-2**

**(Rooms Blacked Out – Summer/Fall Hold)**

6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-12:00 CA-1 Basic Exam Review **MK**

 **\* \* \* This Lecture Is Not For DA Residents \* \* \***

 **( DA’s Will Work at Their Clinical Site )**

Dr. Poovathoor

 Goal: To pass written Board exam

 Objective: To complete practice Board questions

 **12:00-12:30 LUNCH WITH THE CHAIRMAN**

12:30-1:30 PBLD: Gu/Gyn **MK,PC,PBLI,IPCSBP,P/***PS,QI,TC,P*

 Dr. Costa

Goal: To discuss the management of a complicated anesthetic case

Objective: To identify the perioperative and intraoperative challenges in providing anesthetic care during a complicated case

1:30-2:30 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Zabirowicz

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

2:30-3:00 Evaluation Completion and Feedback Review

                                **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

1. To review feedback on clinical performance and knowledge base and practice habits

3:00-4:00 Sim Session **PC,P,PBLI,IPC,SBP***/PS,QI,P,TC*

Drs. Corrado and Tateosian

                                    **( SIM CENTER - NOT RESERVED YET )**

Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on Q.I. Project

Goals:

1. To participate in a quality improvement and/or patient safety initiative

2. To improve one’s clinical practice

4:15-5 Independent Study

**Wednesday, June 8 CA-2 – DA-3**

**(Rooms Blacked Out – Summer/Fall Hold)**

6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-10:45 CA-2 AKT-24 Exam **( HSC, L-3, Rm. 139 )**

 **\* \* \* DA Residents Do Not Take This Exam \* \* \***

11:00-11:30 **LUNCH BREAK**

11:30-4;30 PALS Recertification **MK,PC,SBP,ICS,P***/PS*

 4:30-4:45 Evaluation Completion and Feedback Review

                                **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

           2. To review feedback on clinical performance and knowledge base and practice habits

**Wednesday, June 15 CA-3**

**(Rooms Blacked Out – Summer/Fall Hold)**

6:30-7:00 Keyword Review **MK**

Dr. Kogan **( HSC, LH-5, Level 3 )**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:05-8:20 Pediatric Keyword Review **MK ( Residents on Pediatric Rotation Only )**

( Pediatric Division Faculty ) - **HSC, Level 4, Room 073**

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

8:00-9:30 Mock Orals **MK, IPC, PBLI, P***/PF,PS*

 Dr. Giordano

Goal: To review the Oral Board Exam process

Objective: 1. To complete a mock Oral Board Exam

 2. To identify areas in need of further study or development for oral board exam

 Preparation

 9:30-10:30 Mock OSCE- TTE/TEE **PC,P,PBLI,IPC,SBP***/PS,QI,P,TC*

Dr. Poppers and Gupta

 Goals:

 1. To pass OSCE

            2. To improve one’s clinical practice

Objectives:

1. To prepare for OSCE

            2. To receive performance feedback and improve clinical practices

10:30-12:00 Board Review **MK**

Dr. Poovathoor

Goal: To pass written board exam

Objective: To complete practice board questions

**12:00-12:30 LUNCH WITH THE CHAIRMAN**

12:30-2:00 Board Review **MK**

Dr. Poovathoor

Goal: To pass written board exam

Objective: To complete practice board questions

2:00-3:00 Q.I. Project Report **SBP, IPC, PBLI**/*QI*

 Drs. Bennett-Guerrero, Romeiser and Gidicsin

Goal: To complete a Q.I. project

Objective: To be a participating member of a Q.I. project and receive feedback on the project

3:00-4:00 Sim Session **PC,P,PBLI,IPC,SBP***/PS,QI,P,TC*

Drs. Corrado and Tateosian

                                    **( SIM CENTER - NOT RESERVED YET )**

Residents Assigned to Sim Session: Attend Sim Session

 Residents Not Assigned to Sim Session: Work on Q.I. Project

Goals:

1. To participate in a quality improvement and/or patient safety initiative

2. To improve one’s clinical practice

4:00-4:15 Evaluation Completion and Feedback Review

                                 **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

           2. To review feedback on clinical performance and knowledge base and practice habits

4:15-5:00 Independent Study

**Wednesday, June 22 CA-1-DA-2**

**(Rooms Blacked Out – Summer/Fall Hold)**

7:00-8:00 Grand Rounds

8:00-10:30 CA-1’s and DA-2’s - Hemachron, Hemocue Recertification **MK/PC,SBP***/PS*

Laura Holst

Goal: To be certified in Hemocue and Hemochron

Objective: To complete recertification for Hemocue and Hemochron instruments

10:30-10:45 Evaluation Completion and Feedback Review

                                **PBLI,P***/PF,PS,SV*

Goals:

1. To evaluate residency program educational activities and teaching faculty

           2.  To improve one’s clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evaluations on

 New- Innovations

           2. To review feedback on clinical performance and knowledge base and practice habits

10:45-11:00 Class Meeting with Dr. Schabel

11:00-11:30 **LUNCH WITH THE CHAIRMAN**

11:30-4:00 ACLS Recertification

 Dr. Vitkun

**Wednesday, June 29**

No Lectures