

Appendix I6b

Didactic Curriculum 2017-2018

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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*

CA-1, DA-1 LECTURE TOPICS

May 2017

Anesthesia Library, HSC, L-4, 060

**** Goals and Objectives for Each Lecture are Listed in CA-1/DA-2 Introductory Booklet**

May	2	8:30 – 4:00 P.M.	Orientation (Anesthesia Library)	
May	3	11:30 – 12:30 P.M.	Anesthesia Machine MK/PS	Dr. Moller
		12:30 – 1:30 P.M.	Intro to the Anesthesia Machine in the OR SBP, MK, PC	Dr. Moller
May	4	9:00 – 5:00 P.M.	PALS (Clinical Skills Center) MK,PC,IPC,P,PBLI/PS	
May	5	9:00 – 11:00 A.M.	Anesthesia Application Training	Level 3, Rm. 133A
		11:30 – 4:00 P.M.	PALS (Clinical Skills Center) MK,PC,IPC,P,PBLI/PS	
May	8	11:30 – 12:30 P.M.	Fatigue Training P/IFM	Dr. Gallagher
			Intro to EAP P/IFM	Dr. Gallagher
		12:30 – 1:30 P.M.	Patient Transfers, Handoffs and Post Ops MK,PC,IPC,PBLI/TC,PF	Dr. Gallagher
		5:00 – 6:00 P.M.	Simulator Session (Sim Center) PC,MK,SBP,IPC,P,PBLI, PS,QI,TC,PF,SV	Dr. Gallagher
May	9	11:30 – 12:30 P.M.	Spinals and Epidurals MK, PC/PS	Dr. Landman
		12:30 – 1:00 P.M.	Case Assignments and Daily Schedule	Dr. Probst
May	10	11:30 – 12:30 P.M.	Airway Management PC, MK /PS	Dr. Oleszak
		12:30 – 1:30 P.M.	Monitoring and Equipment MK, SBP, PC/PS	Dr. Szafran
		5:00 – 6:00 P.M.	Simulator Session (Sim Center) PC,MK,SBP,IPC,P,PBLI, PS,QI,TC,PF,SV	Dr. Gallagher
May	11	11:30 – 12:30 P.M.	Neurophysiology MK, PC,PBLI	Dr. Geralemou
		12:30 – 1:30 P.M.	Ultrasound Techniques (Sim Center) PC,MK/PS	Dr. Page
May	12	11:30 – 12:30 P.M.	Preop Assessment SBP, MK, PC /PF	Dr. Richman
		1:00 – 2:30 P.M.	Intro the VA	VA

			Northport, NY	
May	15	11:30 – 2:30 P.M.	Respiratory Physiology and Inhaled Agent Pharmacology MK, PC, PBLI	Dr. Vitkun
		5:00 – 6:00 P.M.	Simulator Session (Sim Center) PC,MK,SBP,IPC,P,PBLI	Dr. Gallagher
May	16	11:30 – 12:30 P.M.	Recovery and PACU MK,PC,PS/PS	Dr. Poovathoor
		12:30 – 1:30 P.M.	Positioning and Risks MK,PC,IPC,PBLI/TC,PF	Dr. Andraous
May	17	11:30 – 12:30 P.M.	Pharmacology of Opioids MK, PC/PS	Dr. Vitkun
		12:30 – 1:30 P.M.	Professionalism I P/PS	Dr. Saunders
		5:00 – 6:00 P.M.	Simulator Session (Sim Center) PC,MK,SBP,IPC,P,PBLI <i>PS,QI,TC,PF,SV</i>	Dr. Gallagher
May	18	11:30 – 12:30 P.M.	Cardiac Physiology MC, PC, PBL	Dr. Zabirowicz
		12:30 – 1:30 P.M.	Local Anesthetics MK, PC /PS	Dr. Schabel
May	19	11:30 – 12:30 P.M.	Pharmacology of IV Agents MC,PC/PS	Dr. Gupta
		12:30 – 1:30 P.M.	Acute Pain Management MK, PC/PS	Dr. Page
May	22	11:30 – 12:30 P.M.	Neuromuscular Agents MK, PC, SBP/PS	Dr. Azim
		12:30 – 1:30 P.M.	Professionalism II P/PS	Dr. Schabel
			Residents as Teachers: Teaching of Medical Students PBLI,P	Dr. Schabel
		5:00 – 6:00 P.M.	Simulator Session (Sim Center) PC,MK,SBP,IPC,P,PBLI <i>PS,QI,TC,PF,SV</i>	Dr. Gallagher
May	23	11:30 – 12:30 P.M.	Patient Safety PC, MK/PS, PF	Dr. Griffel
		12:30 – 1:30 P.M.	Intro to Pediatric Anesthesia MK, PC, SBP/PS	Dr. Jasiewicz
May	24	11:30 – 12:30 P.M.	Fluid and Blood Therapy MK,PC/PS	Dr. Adsumelli
		12:30 – 1:30 P.M.	Educ. Expectations/Documentation PC, SBP, P, PBLI	Dr. Gallagher
		5:00 – 6:00 P.M.	Simulator Session (Sim Center) PC,MK,SBP,IPC,P,PBLI <i>PS,QI,TC,PF,SV</i>	Dr. Gallagher
May	25	11:30 – 12:30 P.M.	AKT Keywords MK	Dr. Wang
		12:30 – 1:30 P.M.	Clinical Competence P/PS	Dr. Kogan
May	26	11:30 – 12:30 P.M.	AKT Keywords MK	Dr. Wang
		1:00 – 3:00 P.M.	AKT-1 Exam	Joan Claeson
		3:00 – 4:00 P.M.	Simulator Session (Sim Center) PC,MK,SBP,IPC,P,PBLI <i>PS,QI,TC,PF,SV</i>	Dr. Gallagher

Stony Brook Anesthesiology
Resident Curriculum
Year on a Day-By-Day Basis
2017 – 2018

Joy Schabel, M.D.

Christopher J Gallagher, MD

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Introduction: Welcome to the 2017-2018 academic year. This curriculum is a comprehensive listing of all the scheduled learning activities for the CA-1 – CA-3 (DA-1 – DA-3) residents at the Stony Brook Anesthesiology residency. In addition, PGY-1 orientation is included.

This is given out at the beginning of the year so everyone can plan ahead – residents (what to read, what’s coming up) 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 on pediatric anesthesiology *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 faculty and resident alike on a great 2017-2018.

Components of the Educational Program

Wednesday 8:00 A.M. – 2:00 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

DA-3's attend CA-2 Lectures

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

The two Tuesdays of each month, mock orals will be held from 5:30 – 7 PM in the Anesthesia Library. Starting in September, each month one class will be given these mock orals. We have two separate sessions so all residents will be able to attend (vacation, post call, on call – the idea is, make sure you can make it to *one* of them). The questions are “iterative”, that is, most difficult for the CA-3's, less difficult for the CA-2's, and basic for the CA-1's. The idea is – by the end of residency, you will have done so many mock orals you'll be able to crush the “real boards.”

Evaluations

You will get an end rotation evaluation for each rotation and learning activities. 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

EDUCATION

CBY

Michelle DeLemos, M.D.
Matthew Tito, M.D.

CA-1 Basic Exam Tutorials

Ramon Abola, M.D.

Mock Orals

Rany Makaryus, M.D.

Anna Kogan, D.O.

Machine / Technology

Daryn Moller, M.D.

Wellness / Substance Abuse

Neera Tewari, D.O.

Clinical Competency Committee

Anna Kogan, D.O.

Residents as Teachers Curriculum

Joy Schabel, M.D.

Curriculum Updates

Joy Schabel, M.D.

Special Events & Resident Coverage

Joy Schabel, M.D.

Simulation Education

Thomas Corrado, M.D.

Career Development

Ruchir Gupta, M.D.

Q.A.

Rishimani Adsumelli, M.D.
Syed Shah, M.D.

Lecture Schedules

Joy Schabel, M.D.

Journal Club

Rany Makaryus, M.D. and
Ursula Landman, D.O.

ITE and Board Exam Prep

Shaji Poovathoor, M.D.

Education Leaders by Rotation

Advanced Clinical	Matthew Tito, M.D.
Acute Pain	Anna Kogan, D.O.
Airway	Peter Oleszak, M.D.
Ambulatory	Barry Florence, M.D.
Cardiac	Jeremy Poppers, M.D.
Chronic Pain	Min Yi Tan, M.D.
CTICU	David Kiamanesh, M.D.
General	Meng Wang, M.D.
Gyn/Uro	Ursula Landman, D.O.
Neuro	Sofia Geralemou, M.D.
OB	Ellen Steinberg, M.D.
Ortho/Plastics	Syed Azim, M.D.
PACU	Eric Zabirowicz, M.D.
Peds	Vahe Tateosian, M.D.
POS	Deborah Richman, M.D.
VA	William Molinari, M.D.
Vascular	Shaji Poovathoor, M.D.

CLINICAL SCHEDULES

Block Schedule

Eleanor Romano, D.O.

Daily OR Assignments

Anesthesia Coordinator

DOCUMENTATION

New Innovations / Case Logs

Joan Claeson

Duty Hours

Joan Claeson

MENTOR PROGRAM

Joy Schabel, M.D.

CA-1/DA-1 ORIENTATION SCHEDULED

2017

CA-1/DA-1 Orientation, Anesthesia Library, HSC, Level 4, Room 060

May 2, 2017

8:30 – 9:00	Review of Introductory Program	Joy Schabel, M.D.
9:00 – 9:30	Duty Hours	Joan Claeson
9:30 – 10:00	Documentation	Linda Cimino
10:00 – 10:30	Accucheck	Jirina Vasek (UH, L-3, Room 502)
10:30 – 11:00	Pharmacy	Stella Wieckowski
11:00 – 11:30	Anesthesia Techs	Josephine Pace
11:30 – 12:00	<u>LUNCH</u>	
	Meet the Chiefs – Case Logs	
	<u>BREAK</u>	
1:00 – 2:00	Hemochron ACT Training	
2:00 – 2:30	Scrubs and Lockers	
2:30 – 4:00	Contact Preceptors	

May 4, 2017

9:00 – 5:00	PALS	Clinical Skills Center
5:00	Do pre-ops and contact preceptor	

May 5, 2017

7:00 – 8:30	OR	
9:00 – 11:00	Anesthesia Application Training	Level 3, Room 133A
11:30 – 4:00	PALS	Clinical Skills Center

May 5, 2017

7:00 – 8:30	OR	
9:00 – 11:00	Anesthesia Application Training	HSC, L-3, Room 133A
11:30 – 4:00	PALS	Clinical Skills Center

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Patient Safety PS

Quality Improvement QI

Transitions in Care TC

Professionalism PF

Fatigue Management FM

Supervision SV

CA-1/DA-1 LECTURE TOPICS

May 2017

Anesthesia Library, HSC, L-4, 060

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

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May	3	11:30 – 12:30 P.M.	Anesthesia Machine MK/PS	Dr. Moller
		12:30 – 1:30 P.M.	Intro to the Anesthesia Machine in the OR SBP, MK, PC	Dr. Moller
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May	12	11:30 – 12:30 P.M.	Preop Assessment SBP, MK, PC /PF	Dr. Richman
		1:00 – 2:30 P.M.	Intro the VA	VA Northport, NY
May	15	11:30 – 2:30 P.M.	Respiratory Physiology and Inhaled Agent Pharmacology MK, PC, PBLI	Dr. Vitkun
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		5:00 – 6:00 P.M.	Simulator Session (Sim Center) PC,MK,SBP,IPC,P,PBLI PS,QI,TC,PF,SV	Dr. Gallagher
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		1:00 – 3:00 P.M.	AKT-1 Exam	Joan Claeson
		3:00 – 4:00 P.M.	Simulator Session (Sim Center) PC,MK,SBP,IPC,P,PBLI PS,QI,TC,PF,SV	Dr. Gallagher

PGY-1 ORIENTATION SCHEDULE

2017

June 19	ACLS – Day 1	7:30 A.M. – 4:30 P.M.
June 20	ACLS – Day 2	7:30 A.M. – 4:30 P.M.
June 22	ATLS – Day 1	7:30 A.M. – 5:00 P.M.
June 23	ATLS – Day 2	7:30 A.M. – 5:00 P.M.
June 26	Winthrop Orientation	8:00 A.M. – 4:00 P.M.
June 27	VA Orientation	7:00 A.M. – 3:00 P.M.
June 29	<u>MANDATORY</u> SBUH Orientation – Day 1	7:30 A.M. – 5:30 P.M.
June 30	<u>MANDATORY</u> SBUH Orientation – Day 2	7:30 A.M. – 5:30 P.M.

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Practice-based Learning and Improvement – PBLI

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Quality Improvement *QI*

Transitions in Care *TC*

Professionalism *PF*

Fatigue Management *FM*

Supervision *SV*

Wednesday, July 5

6:15-7:00 CA-1/DA-2 Anesthesia Setup **MK/PC**

Dr. Stellaccio
Main OR

7:00-8:00 Faculty Grand Rounds – Dr. Pentyala

Tuesday, July 11

6:00 P.M. – CA-1 and DA-2 Residents

Addiction and Anesthesia, Dr. Tewari

P, SBP, ICS/PS,PF

Goal: Discuss treatment and follow-up of substance abuse

Objectives:

1. Discuss treatment options for substance abuse
2. Discuss Re-Entry and Relapse
3. Watch Wearing Masks: The spectrum of intervention
4. Discuss DVD content

Wednesday, July 12

6:15-7:00 CA-1/DA-2 Anesthesia Setup **MK/PC**

Dr. Stellaccio
Main OR

7:00-8:00 Chiefs Meeting

7:00-8:00 Faculty Meeting

Wednesday, July 19

7:00-8:00 Faculty Grand Rounds – Dr. Jasiewicz

Wednesday, July 26

6:15-7:00 CA-1/DA-2 Anesthesia Setup **MK/PC**

Dr. Stellaccio
Main OR

7:00-8:00 Q.A. **PBLI/PS,QI**

Wednesday, August 2

7:00-8:00 Visiting Professor

8:00-11:00 CA-1's/DA-2's, AICU and Ventilators **MK, IPC, PBLI, PC, P, SBP/PS,QI**
Dr. Poovathoor (**Anesthesia Library**)
Required Reading: Morgan and Mikhail, Chapter 56

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 etiology
12. Understanding postop seizure: Diff 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.

11:00-11:30 CHAIRMAN'S LUNCH

11:30- 1:00 M & M Reviews: Morgan and Mikhail Chapters 3 & 4 **MK, PC/PS**
Dr. Abola
Goal: To pass the Basic Exam
Objective: To review Basic Exam content

1:00-2:00 Q.I. Project and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
Drs. Tito, Corrado, Gallagher

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

2:00-3:00 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:00-4:00 Independent Study

Wednesday, August 9

7:00- 8:00 Faculty Meeting

8:00-11:00 CA-2's and DA-3's Acute Pain Management **MK, IPC, P, PC/PS,QI,PF**
 Dr. Page (**Anesthesia Library**)
 Required Reading: Morgan and Mikhail, Chapter 46

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

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

1. Describing principles of ultrasound and its use in block placement.
2. Describing the anatomy of the following nerve blocks:
 - a. Axillary
 - b. Interscalene
 - c. Supra/infraclavicular
 - d. Musculocutaneous
 - e. Lumbar plexus
 - f. Popliteal fossa
 - g. Lateral femoral cutaneous
 - h. Femoral
 - i. Peroneal
 - j. Sciatic
 - k. Ulnar/median/radial
 - l. Obturator
 - m. Intercostal
 - n. Parevertebral
 - o. Genitofemoral
 - p. Ankle block
3. Describing the use and shortcomings of using paresthesias/nerve stimulators for block placement.
4. Understanding the indications and contraindications of nerve blocks.

5. Understanding and managing the complications of nerve blocks.
6. Understanding anti-coagulation concerns when placing nerve blocks.

11:00-11:30 CHAIRMAN'S LUNCH

11:30-2:30 Perioperative Anesthesia Management **PC,MK/PS,P,QI**
 Dr. Richman
 Required Reading: Morgan and Mikhail, Chapter 18

Goal: To review perioperative anesthesia management

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

2:30-3:00 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

3:00-4:00 Independent Study

Wednesday, August 16

7:00-8:00 Senior Grand Rounds – Minxi Weng, M.D.

8:00-11:00 CA-3's, Advanced Critical Care Topics **MK, PC,SBP,PBLI/TC,PS,SV**
 Drs. Grecu and Bennett-Guerrero (**Anesthesia Library**)

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

Objectives:

1. To describe "Patient Monitoring from 300,00 Feet": Goals of care, hemodynamics, perfusion, oxygen delivery, ischemia.
2. To describe TTE and discuss its applications in the critical care patient.

11:00-11:30 CHAIRMAN'S LUNCH

11:30-12:30 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

12:30-1:30 Vascular PBLD **MK,PC,PBLI,IPCSBP,P/PS,QI,TC,P**
 Dr. Moller

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 and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
 Drs. Tito, Corrado, Gallagher

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

2:30-3:00 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:00-4:00 Independent Study

Wednesday, August 23

7:00-8:00 Senior Grand Rounds – Justin Smith, M.D.

8:00-11:00 CA-1's and DA-2's, Fluid and Blood Therapy
MK, IPC, SBP, PC/QI,SV,PS
 Dr. Adsumelli (**Anesthesia Library**)
 Required Reading: Morgan and Mikhail, Chapters 49 & 51

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

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

1. Calculating fluid maintenance and deficits.
2. Discussing risk of blood-borne infections via needlestick or transfusions (hep B, C, HIV, CMV)
3. Discussing alternatives to transfusion: hemodilution, sequestration, blood substitutes – synthetic and recombinant hemoglobins
4. Describing T and S, T and C, uncrossmatched blood, autologous donation, blood preservation and storage.
5. Understanding indications for transfusion and complications of same:
 - a. Febrile
 - b. Allergic
 - c. Hemolytic
 - d. Acute vs delayed reactions
 - e. Citrate intoxication
 - f. Electrolyte and acid-base disturbances
6. Understanding complications of massive transfusions.
7. Describing anesthetic management of hemophilia, Von Willebrand's disease.
8. Management of Jehovah's Witness.

11:00-11:30 CHAIRMAN'S LUNCH

11:30-12:30 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

12:30-2:00 M & M Reviews **MK,PC/PS**
Dr. Costa
Required Reading: Morgan and Mikhail, Chapters 23 & 24

Goal: To pass Basic Exam

Objective: To review Basic Exam content

2:00-3:00 Q.I. Project and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
Drs. Wang, Corrado, Gallagher

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

3:00-3:30 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:30-5:00 Independent Study

Wednesday, August 30

7:00-8:00 Q.A. **PBLI/PS,QI**

8:00-11:00 CA-2's/DA-3's, Pulmonary Principles **MK, PC/PS**
Dr. Zabirowicz (**Anesthesia Library**)
Required Reading: Barash, Clinical Anesthesia, Chapter 13

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

Objectives: At the conclusion of the session, residents will demonstrate competence in understanding and applying:

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. V_d/V_t 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

11:00-11:30 CHAIRMAN'S LUNCH

11:30-12:30 Anesthesia for Thoracic Surgery **MK,PC/PS**
Dr. Kowal

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 complications
3. To discuss anesthetic considerations for patients undergoing:
 - a. Lung resection
 - b. Bronchopleural fistula
 - c. Tracheal resection
 - d. Lung transplantation
 - e. Esophageal surgery

12:30-1:30 PBLD: Thoracic **MK,PC,PBLI,IPCSBP,P/PS,QI,TC,P**
Dr. Kowal

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 and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
Drs. Tito, Corrado, Gallagher

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

2:30-3:00 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:00-4:00 Independent Study

Wednesday, September 6

7:00-8:00 Chiefs Meeting.

7:00-8:00 Faculty Meeting

8:00-11:00 CA-3's, Neuro III, **MK, IPC, PBLI, P, SBP/PS,PF**
Dr. Probst (**Anesthesia Library**)
Simulation – Dr. Corrado
Required reading: Morgan and Mikhail, Chapter 37

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.

11:00-11:30 CHAIRMAN'S LUNCH

11:30-12:30 Career Development III **P**

Dr. Gupta

Goal: To prepare for a career in anesthesiology

Objective: To identify important elements in developing a career in anesthesiology

12:30-1:30 PBLD: Advanced Peds **MK,PC,PBLI,IPCSBP,PIPS,QI,TC,P**

Dr. Jacob

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 and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**

Dr. Tito

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

2:30-3:00 Rotation Feedback and Evaluation Completion:

PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:00-4:00 Independent Study

Thursday, September 7

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

Drs. Makaryus and Landman

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

Tuesday September 12

5:30-7:00 PM Mock Orals for ½ of the CA-3 class **MK, IPC, PBLI, P/PF,PS**
Drs. Andraous, Azim, Gallagher, Geralemou, Tito

Goal: To prepare for Oral Board Exam

Objectives:

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

Wednesday, September 13

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Faculty Grand Rounds – Dr. Abola

8:00-9:00 CA-1's and DA-2's, Wellness Seminar I – Communication
IPC, P, PBLI/PF
Dr. Tewari (**Anesthesia Library**)

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.

9:00-11:00 CA-1's and DA-2's, Liver and Renal Disease **MK, IPC, PC, SBP/PF,QI**
Dr. Adsumelli (**Anesthesia Library**)
Required reading: Morgan and Mikhail, Chapters, 29, 30, 32 & 33

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

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

1. Describing the liver's:
 - a. Dual blood supply
 - b. Blood flow regulation
 - c. Metabolism and synthetic functions
 - d. Excretory functions
 - e. Mechanisms of drug metabolism and excretion
 - f. Cytochrome P-450 system (realizing this is a LAB phenomenon, not an actual PLACE in the liver!)
2. Understanding liver failure and the hemodynamics that accompany liver failure.
3. Understanding effects of starvation on liver function.
4. Describing workup and differential diagnosis of pre and postop renal failure.
5. Determining choice of anesthetic for hepatocellular disease, ascites and portal hypertension.

6. Determining choice of anesthesia for patient with impaired or absent renal function.
7. Understanding the effects of uremia.
8. Describing the prevention and treatment of renal failure: osmotic and loop diuretics, dopamine
9. Describing renal blood flow and anesthesia effects.
10. Discussing diuretics, mechanism of action and adverse effects.
11. Describing renal and splanchnic blood flow: regulation and factors affecting.

11:00-11:30 CHAIRMAN'S LUNCH

11:30-1:00 M & M Reviews: Morgan & Mikhail Chapters 7 & 8 **MK,PC/PS,TC**
Dr. Andraous

Goal: To pass Basic Exam

Objective: To review Basic Exam content

1:00-2:00 Q.I. Project and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
Dr. Wang

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

2:00-3:00 Rotation Feedback and Evaluation Completion: **PBLI,P/PF,PS**

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:00-4:00 Independent Study

Tuesday, September 19

5:30-7:00 Mock Orals for other ½ of CA-3 class **MK, IPC, PBLI, P/PF,PS**
Drs. Kiamanesh, Moller, Park, Szafran, Makaryus

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

Wednesday, September 20

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Visiting Professor

8:00-11:00 CA-2's and DA-3's Chronic Pain Management **MK,PC,IPC/QI,PS,PF,SV**
Dr. Tan (**Anesthesia Library**)
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).

11:00-11:30 CHAIRMAN'S LUNCH

11:30-12:30 Neuro Keywords: **MK**
Dr. Kogan

12:30-1:30 Anesthesia Patients with Neurologic, Psychiatric Disease and Neuromuscular Disease
Dr. Kogan
Required reading: Morgan and Mikhail, Chapters 28 & 35

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

1:30-2:30 Q.I. Project and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
Drs. Wang, Corrado, Gallagher (**OR Sim Lab and ½ Classroom**)

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

2:30-3:00 Rotation Feedback and Evaluation Completion:
PBLI, P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:00-4:00 Independent Study

Wednesday, September 27

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Q.A. **PBLI/PS,QI**

8:00-11:00 CA-3's Advanced Cardiac **MK, PC/PS**
Drs. Poppers and Kiamanesh (**Anesthesia Library**)

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

11:00-11:30 CHAIRMAN'S LUNCH

11:30-12:30 Neuro PBLD **MK,PC,PBLI,IPCSBP,P/PS,QI,TC,P**

Dr. Geralemou

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

12:30-1:30 Written Board Review **MK**

Dr. Poovathoor

Goal: To pass written anesthesia Board Exam

Objective: To review Board Exam content

1:30-3:00 Mock OSCE **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**

Drs. Poppers and Kiamanesh (**Sim Center Reserved**)

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

3:00-3:30 Rotation Feedback and Evaluation Completion:

PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:00-4:00 Independent Study

Tuesday, October 3

5:30-7:00 PM Mock Orals, ½ of CA-2 class **MK, IPC, PBLI, P/PF,PS**

Drs. Tewari, Voutsas, Jasiewicz, Wang, Vuong

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

Wednesday, October 4

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 OR Fire Drill
Mary Benett

8:00-11:00 CA-1's/DA-2's, Pharmacology **MK, PC, SBP, PBLI, IPC/PS,P**
Dr. Stellaccio (**Anesthesia Library**)
Required reading: Morgan and Mikhail, Chapter 9

Goal: To understand the pharmacology of commonly administered intravenous medications.

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

1. Describing the pharmacokinetics, pharmacodynamics, benefits, and disadvantages of thiopental, propofol, etomidate, ketamine, opioids, benzodiazepines, flumazenil, and dexmetomidine.
2. Discussing the costs of above medications.
3. Describing anaphylactic, anaphylactoid reactions, as well as idiosyncratic reactions to above medications.
4. Management of anaphylaxis

11:00-11:30 CHAIRMAN'S LUNCH

11:30-12:30 Robotics **MK**
Dr. Gruen

Goal: To apply principles of robotic surgery to anesthesia care

Objective: To describe the anesthetic complications during robotic surgery

12:30-2:00 M & M Reviews **MK,PC/PS**
Dr. Kogan
Required reading: Morgan and Mikhail, Chapters 9 & 10

Goal: To pass Basic Exam

Objective: To review Basic Exam content

2:00-3:00 Q.I. Project and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
Drs. Wang, Corrado and Gallagher

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

3:00-4:00 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

4:00-5:00 Independent Study

Thursday, October 5

6:00 P.M. Journal Club **PBLI, MK/PS,QI**
Drs. Makaryus and Landman

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 from scientific studies
4. To discuss application of scientific information to patient care

Wednesday, October 11

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Chiefs Meeting

7:00-8:00 Senior Grand Rounds – Betty Hua, M.D.

8:00-10:00 CA-2's OB II **MK, IPC, PBLI, P, SBP, PC/PF,PC,QI**
(Individual Simulation)
Dr. Schabel (**Sim Center – Available 8:00-10:00**)
Simulation – Dr. Corrado

10:00-11:00 CA-2's OB II Jeopardy **MK, IPC, PBLI, P, SBP, PC/PF,PC,QI**
Dr. Schabel (**Anesthesia Library**)
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: placement, management of complications, for labor and delivery.
2. Understanding pathophysiology and management of pre-eclampsia. Understanding effects of MgSO₄.
3. Describing tocolytic drug effects.
4. Describing nonstress test, stress test, BPP, and fetal heart rate monitoring.

5. Discussing anesthetic management of a hydatidiform mole.
6. Discussing neonatal resuscitation.
7. Performing general anesthesia for a stat C-section.

11:00-11:30 CHAIRMAN'S LUNCH

11:30-12:30 Career Development II **P**
Dr. Gupta

Goal: To plan for a career in anesthesiology

Objective: To identify important elements in developing a career in anesthesiology

12:30-1:30 Anesthesia for Ophthalmology and ENT Surgery **MK,PC/PS**
Dr. Stanley

Required reading: Morgan and Mikhail, Chapters 36 & 37

Goal: To discuss anesthetic management for ophthalmology and ENT cases

Objectives:

1. To identify possible intraoperative complication of ophthalmology and ENT surgery
2. To discuss the treatment of intraoperative complications of ophthalmology and ENT surgery

1:30-2:30 Q.I. Project and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
Drs. Wang, Corrado, Gallagher (**Sim Center Reserved**)

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

2:30-3:00 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:00-4:00 Independent Study

Wednesday, October 18

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 ASA Presentations

8:00-11:30 CA-3's, Future Career: Selection and Management **P, SBP/PF**
Drs. Gallagher, Schabel and Guests (**Anesthesia Library**)

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.
7. Understanding billing arrangements and elements of financial planning

11:30-12:00 CHAIRMAN'S LUNCH

12:00-1:00 PBLD: "Deep Dive" **MK, P, PC, IPC, PBLI, SBP/PF, QI, P**
Dr. Steinberg

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

1:00-2:00 Q.I. Project and Sim Session **PC, P, PBLI, IPC, SBP/PS, QI, P, TC**
Drs. Tito, Corrado, Gallagher (**Sim Center Reserved**)

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

2:00-2:30 Rotation Feedback and Evaluation Completion:
PBLI, P/PF, PS, SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

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

2. To receive feedback on clinical performance and knowledge base

2:30-4:00 Independent Study

Tuesday, October 24

5:30-7:00 PM Mock Orals, ½ of CA-2 class **MK, IPC, PBLI, P/PF,PS**
Drs. Azim, Park, Tewari, Vitkun

Goal: To prepare for Oral Board Exam

Objective:

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

Wednesday, October 25

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Q.A. **PBLI/PS,QI**

8:00-11:00 **NO SESSION**

Wednesday, October 25

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Chiefs Meeting

7:00-8:00 Faculty Meeting.

8:00-11:00 CA-1's and DA-2's, Pre-op/AHA Guidelines **MK,SBP,IPC/PS,PF**
Dr. Richman
Required reading: Barash, Clinical Anesthesia, Chapter 23

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.

11:00-11:30 CHAIRMAN'S LUNCH

11:30-12:30 Keywords: General **MK**
Dr. Wang

Goal: To pass written boards

Objective: To review topics from previous board exams

12:30-2:00 M & M Reviews: Morgan & Mikhail Chapters 11 & 12 **MK,PC/PS,P**
Dr. Wang

Goal: To pass Basic Exam

Objective: To review Basic Exam content

2:00-3:00 Q.I. Project and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
Drs. Wang, Corrado, Gallagher (**Sim Center Reserved**)

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

3:00-3:30 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:30-4:30 Independent Study

Thursday, November 2

6:00 P.M. Journal Club **PBLI, MK/PS,QI**
Drs. Makaryus and Landman

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, November 8

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Senior Grand Rounds – Betty Hua, M.D.

8:00-11:00 CA-2's and DA-3's, Pediatric Interdisciplinary Workshop
MK,PC,ICS,SB,PBLI/PS,PF,IQ,SV,TC
Dr. Jacob
(**ED Sim Lab and Classroom**)

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

11:00-11:30 CHAIRMAN'S LUNCH

11:30-12:30 Cardiac Keywords **MK**
Dr. Kowal

Goal: To pass written boards

Objective: To review topics from previous board exams

12:30-1:30 Anesthesia Trauma and Emergency Surgery **MK,PC/PS**
Dr. Moller
Required reading: Morgan and Mikhail, Chapter 39

Goal: To discuss the anesthesia management for trauma cases

Objectives:

1. To review classes of hemorrhage and treatment
2. To define trauma-induced coagulopathy
3. To discuss machine transfusion protocols
4. To discuss traumatic brain injury and indicators for ICU monitoring
5. To review burn management
6. To discuss treatment of carbon monoxide poisoning
7. To discuss management of patients with spinal cord injury

1:30-2:30 Q.I. Project and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
Drs. Wang, Corrado, Gallagher (**Sim Center Reserved**)

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

2:30-3:00 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:00-4:00 Independent Study

Wednesday, November 15

6:30-7:00 Keyword Review **MK**
 Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Visiting Professor

8:00-11:00 CA-3's, Advanced Pediatrics **MK, IPC, PBLI, PC, P, SBP/PS,QI,TC,SV**
 Dr. Jasiewicz (**Anesthesia Library**)
 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, gastroschisis, omphalocele, 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

11:00-11:30 CHAIRMAN'S LUNCH

11:30-2:00 Board Review **MK**
Dr. Poovathoor

Goal: To pass written board exam

Objective: To complete practice board questions

2:00-3:00 Q.I. Project and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
Drs. Tito, Corrado, Gallagher (**Sim Center Reserved**)

Goals:

1. To participate in a quality improvement and/or patient safety initiative
2. To improve one's clinical practice

3:00-3:30 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:30-4:30 Independent Study

Tuesday November 21

5:30-7:00 PM Mock Orals, ½ of CA-1 class **MK, IPC, PBLI, P/PF,PS**
Drs. Makaryus

Goal: To prepare for Oral Board Exam

Objective:

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

Wednesday, November 22

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Senior Grand Rounds – Adrian Fischl, M.D.

8:00-11:00 CA-1's and DA-2's - Airway Workshop **MK, PC, SBP/PS**
Dr. Oleszak and Dr. Samara, ENT
(HSC, LEVEL 3, CLASSROOM 159)
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/sensory innervation/arytenoids anatomy
8. Describing vocal cord dysfunction after nerve injury

11:00-11:30 CHAIRMAN'S LUNCH

11:30-1:00 M & M Reviews: Morgan & Mikhail Chapters 13 & 14 **MK,PC/PS**
Dr. Azim

Goal: To pass Basic Exam
Objective: To review Basic Exam content

1:00-2:00 Keywords: General **MK**
Dr. Wang

Goal: To pass written boards
Objective: To review topics from previous board exams

2:00-3:00 Q.I. Project and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
Drs. Wang, Corrado, Gallagher (**Sim Center Reserved**)

Goals:
1. To participate in a quality improvement and/or patient safety initiative
2. To improve one's clinical practice

3:00-3:30 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:
1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:
1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:30-4:30 Independent Study

Thursday, November 23th Thanksgiving Day

Tuesday November 28

5:30-7:00 PM Mock Orals, second ½ of CA-1 class
MK,IPC,PBLI,P/PS,QI
Dr. Makaryus

Goal: To prepare for Oral Board Exam

Objective:

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

Wednesday, November 29

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Q.A. **PBLI/QI,PS**

8:00-11:00 CA-2's and DA-3's Vascular **MK, PC, IPC, SBP/PS**
Dr. Moller (**Anesthesia Library**)
Required reading: Barash, Clinical Anesthesia, Chapter 40

Goal: Understand management of the patient undergoing vascular surgery.

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

11:00-11:30 CHAIRMANS LUNCH

11:30-1:00 PBLD: Obstetrics **MK, PC, IS, P/PF,PS,QF**
Dr. Steinberg

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

1:00-2:00 Q.I. Project and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
Drs. Wang, Corrado and Gallagher

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

2:00-2:30 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

2:30-4:00 Independent Study

Wednesday, December 6

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Chiefs Meeting

7:00-8:00 Faculty Meeting

8:00-11:00 CA-3's, Transplants **MK, IPC, PBLI, P, PC, SBP/PS, QI**
Dr. Moller (**Anesthesia Library**)
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.

11:00-11:30 CHAIRMAN'S LUNCH

11:30-1:00 Board Review **MK**
Dr. Poovathoor

Goal: To pass written board exam

Objective: To complete practice board questions

1:00-2:30 Mock OSCE **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
Drs. Poppers and Kiamanesh (**Sim Center Reserved**)

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

2:30-3:00 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

2:30-4:00 Independent Study

Wednesday, December 13

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Senior Grand Rounds – Kseniya Khmara, M.D.

8:00-11:00 CA-1's and DA-2's Neuromuscular Blockers **MK,PC,SBP,P/PS,SV**
Dr. Azim (**Anesthesia Library**)
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.

11:00-11:30 CHAIRMAN'S LUNCH

11:30-12:30 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. Fat embolism
2. Total hip arthroplasty
3. Total knee replacement
4. Shoulder surgery

12:30-2:00 M & M Reviews: Morgan & Mikhail Chapters 15 & 16 **MK**
 Dr. Tateosian

Goal: To pass Basic Exam

Objective: To review Basic Exam content

2:00-3:00 Q.I. Project and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
 Dr. Wang

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

3:00-3:30 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:30-4:30 Independent Study

Tuesday, December 19

5:30-7:30 PM Mock Orals, ½ of CA-3 class **P,ICS,MK,PBLI/PF,PS**
 Drs. Moller, Jacob, Andraous, Tito, 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

Wednesday, December 20

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.
Objectives: To review written exam content

7:00-8:00 Q.A. **PBLI/QI,PS**

8:00-9:30 CA-2's and DA-3's, Offsite Anesthesia **MK, IPC, SBP, PC, P**
Dr. Beg (**Sim Center – Not Available**)

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.

9:30-11:00 ITE Review **MK**
Dr. Poovathoor

Goal: To pass written Board Exam and score greater than a 60th percentile on ITE
Objective: To complete practice board questions

11:00-11:30 CHAIRMAN'S LUNCH

11:30-12:30 Bariatrics **MK, PC/PS**
Dr. Gruen

Goal: To apply principles of bariatric surgery to anesthesia care.

Objective: To describe the unique elements of bariatric surgery relating to anesthesia practice

12:30-1:30 Keywords: ICU **MK**
Dr. Kiamanesh

Goal: To pass written boards

Objective: To Review topics from previous board exams

1:30-2:30 Q.I. Project and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
Dr. Wang

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

2:30-3:00 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:00-4:00 Independent Study

Tuesday, December 27

5:30-7:30 PM Mock Orals ½ of CA-3 class **P,ICS,PBLI,MK/PF,PS**
Drs. Park, Gruen, Geralemou, Wang, Jacob

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

Wednesday, December 27

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 **CANCELLED**

8:00-11:00 CA-3's Written Board / IT Review **MK**
Dr. Poovathoor (**Anesthesia Library**)

Goal: To pass written board exam

Objective: To complete practice board questions

11:00-11:30 CHAIRMAN'S LUNCH

11:30-12:30 PBLD: Trauma Case **MK, PBLI, SBP, IPC, PC/PF,QI,PS**
Dr. Corrado

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

12:30-1:30 Q.I. Project and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
Drs. Corrado, Gallagher
(Sim Center – Not Available)

Goals:

1. To participate in a quality improvement and/or patient safety initiative
2. To improve one's clinical practice

1:30-2:00 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

2:00-4:00 Independent Study

Wednesday, January 3

6:30-7:00 Keyword Review **MK**
 Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Chiefs Meeting

7:00-8:00 Faculty Meeting

8:00-11:00 CA-1's/DA-2's AKT-6 and Board Review **MK**
 Dr. Poovathoor (**Anesthesia Library**)

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

Objective: To complete practice AKT-6 questions

11:00-11:30 CHAIRMAN'S LUNCH

11:30-12:30 Keywords: General Topics **MK**
 Dr. Andraous

Goal: To pass written boards

Objective: To Review topics from previous board exams

12:30-2:00 M & M Reviews: Morgan & Mikhail Chapters 17 & 20 **MK**
 Dr. Andraous

Goal: To pass Basic Exam

Objective: To review Basic Exam content

2:00-3:00 Q.I. Project and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
 Drs. Wang, Corrado, Gallagher (**Sim Center Reserved**)

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

3:00-3:30 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:30-4:30 Independent Study

Wednesday, January 10

6:30-7:00 Keyword Review **MK**
 Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Senior Grand Rounds – Jeff Josma, M.D.

8:00-9:00 CA-2's and DA-3's, Outpatient Anesthesia
MK,IPC,PC,P,SBP/QI,PS,TC,SV
 Dr. Poovathoor (**Anesthesia Library**)
 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
 - a. Phenothiazines
 - b. Butyrophenones
 - c. Metoclopramide
 - d. Antacids
 - e. Anti-cholinergics
 - f. Serotonin antagonists
 - g. Anti-histamines
 - h. 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.

9:00-11:00 In-Training Exam Preparation **MK**
Dr. Poovathoor

11:00-11:30 CHAIRMAN'S LUNCH

11:30-12:30 Keywords: OB **MK**
Dr. Schabel

Goal: To pass written boards

Objective: To Review topics from previous board exams

12:30-1:30 Thermoregulation, Hypothermia, MH and Anesthesia Complications **MK,PC/PS**
Dr. Kiamanesh
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

1:30-2:30 Q.I. Project and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
Drs. Corrado, Gallagher (**Sim Center Reserved**)

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

2:30-3:00 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:00-4:00 Independent Study

Wednesday, January 17

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Faculty Grand Rounds – Dr. Kaczocha

8:00-11:00 CA-3's, OB III **MK, IPC, PBLI, SBP, PC, P/PS, QI, TC**
 Dr. Schabel (**Anesthesia Library**)
Simulator: Drs. Gallagher and Corrado
(Sim Center – NOT AVAILABLE)

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.

11:00-11:30 CHAIRMAN'S LUNCH

11:30-2:00 IT Review **MK**
 Dr. Poovathoor

Goal: To prepare for the In-Training Exam

Objective: To complete practice In-Training Exam questions

2:00-3:00 Rotation Feedback and Evaluation Completion:
PBLI, P/PF, PS, SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:00-4:00 Independent Study

Tuesday, January 23

5:30-7:30 PM, Mock orals, ½ of CA-2 class

Drs. Gupta, Gruen, Voutsas, Vitkun, Abola **MK, IPC, PBLI/PS, QI**

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

Wednesday, January 24

6:30-7:00 Keyword Review **MK**
 Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:00-11:00 CA-1's and DA-2's, AKT-6, Dr. Gallagher **MK, P**

11:00-11:30 CHAIRMAN'S LUNCH

11:30-12:30 Key Words: General
Dr. Kogan

Goal: To pass written boards

Objective: To Review topics from previous board exams

12:30-2:00 M & M Review: Morgan & Mikhail Chapters 23 & 26 **MK**
Dr. Kogan

Goal: To pass Basic Exam

Objective: To review Basic Exam content

2:00-3:00 Q.I. Project and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
Drs. Corrado, Gallagher (**Sim Center Reserved**)

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

3:00-3:30 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:30-4:30 Independent Study

Tuesday January 30

5:30-7:30 PM Mock Orals, second ½ of CA-2 class **MK, IPC, PBLI, P**
Drs. Makaryus, Jacob, Szafran, Park, Tito

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

Wednesday, January 31

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Chiefs Meeting

7:00-8:00 Q.A. **PBLI/PS,QI**

8:00-11:00 CA-2's and DA-3's, ICU I / Ethics **MK, IPC, PC, P, SBP/PS,QI,SV**
Drs. Poovathoor and Richman (**Anesthesia Library**)
Required reading: Morgan and Mikhail, Chapters, 50, 53 & 51

Goals: To manage common conditions in the ICU and discuss the role of medical ethics in anesthesia related care

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.
10. Discussing end of life issues, advance directives, DNR orders, coordination of care, communication with family for organ donation and harvest.
11. To understand the role of ethics during patient care.

11:00-11:30 CHAIRMAN'S LUNCH

11:30-1:30 In-Training Exam Review **MK**
Dr. Poovathoor

Goal: To pass written Boards

Objective: To review topics from previous Board exams

1:30-2:30 Q.I. Project and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
Drs. Corrado, Gallagher (**Sim Center Reserved**)

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

2:30-3:00 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:00-4:00 Independent Study

Thursday, February 1

6:00 P.M. Journal Club **PBLI, MK/PS,QI**
 Drs. Makaryus and Landman

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 7

6:30-7:00 Keyword Review **MK**
 Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Faculty Meeting

8:00-11:00 CA-3's, ICU II **MK, IPC, PBLI, PC, P, SBP/PF,PS,QI**
 Dr. Poovathoor (**Anesthesia Library**)
 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.

11:00-11:30 CHAIRMAN'S LUNCH

11:30-12:30 Keywords: Pain **MK**
 Dr. Tan

Goal: To pass written boards

Objective: To Review topics from previous board exams

12:30-2:00 In-Training Exam Review **MK**
Dr. Poovathoor

2:00-3:00 Q.I. Project and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
Drs. Corrado, Gallagher (**Sim Center Reserved**)

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

3:30-4:00 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

4:00-5:00 Independent Study

Wednesday, February 14

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Senior Grand Rounds – Ethan Kim, M.D.

8:00-10:00 CA-1's and DA-2's Monitors and Equipment **MK, IPC, SBP/PS**
Dr. Moller (**Anesthesia Library**)
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, Poiseuille 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 CA-1's/DA-2's In-Training Exam Prep
Dr. Moller

Goal: To prepare for the In-Training Exam

Objective: To complete practice In-Training Exam questions

11:00-11:30 CHAIRMAN'S LUNCH

11:30-12:30 Keywords: General Topics **MK**
Dr. Abola

Goal: To pass written boards

Objective: To Review topics from previous board exams

12:30-2:00 M & M reviews: Morgan & Mikhail Chapters 29 & 32 **MK**
Dr. Abola

Goal: To pass Basic Exam

Objective: To review Basic Exam content

2:00-3:00 Q.I. Project and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
Drs. Corrado, Gallagher (**Sim Center Reserved**)

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

3:00-3:30 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:30-5:00 Independent Study

SATURDAY, FEBRUARY 17

8:30 A.M. **IN-TRAINING EXAM**
HSC, Level 3, Electronic Classrooms 1

Tuesday, February 20

5:30-7:00 PM Mock Orals, first half of CA-1 class **MK, IPC, PBLI, P/PF,PS**
 Drs. Voutsas, Vitkun, Andraous, Stanley, Azim

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

Wednesday, February 21

6:30-7:00 Keyword Review **MK**
 Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Senior Grand Rounds – Ricardo Georges, M.D.

8:00-11:00 CA-2's and DA-3's, Airway II and Pulmonary Principles II
 Dr. Oleszak
MK, IPC, PBLI, P, PC, SBP/PS, QI
(HSC, LEVEL 3, CLASSROOM 159)
 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

11:00-11:30 CHAIRMAN'S LUNCH

11:30-12:30 Keywords: Cardiac Topics **MK**
Dr. Kowal

Goal: To pass written boards

Objective: To Review topics from previous board exams

12:30-1:30 PBLD – General **MK, PBLI, SBP, IPC, PC/PF, QI, PS**
Dr. Probst

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 and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
Drs. Corrado, Gallagher (**Sim Center Reserved**)

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

2:30-3:00 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:00-4:00 Independent Study

Tuesday, February 27

5:30-7:30 PM Mock Orals, second ½ of CA-1 class **MK, IPC, PBLI, P**
Drs. Vitkun, Voutsas, Tito, Gruen, Gupta

Goal: To prepare for Oral Board Exam

Objective:

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

Wednesday, February 28

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

- 7:00-8:00 Chiefs Meeting
- 7:00-8:00 Q.A. **PBLI/PS,QI**
- 8:00-11:00 CA-3's, Advanced acid base concepts, management of shock
K, PC, PBLI, IPC/PS,QI
 Dr. Poovathoor (**Anesthesia Library**)
 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.

11:00-11:30 CHAIRMAN'S LUNCH

- 11:30-1:00 Board Review **MK**
 Dr. Poovathoor

Goal: To pass written board exam

Objective: To complete practice board questions

- 1:00-2:30 Mock OSCE **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
 Drs. Poppers and Kiamanesh (**Sim Center Reserved**)

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

- 2:30-3:00 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

- 3:00-4:00 Independent Study

Wednesday, March 7

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Faculty Meeting

8:00-10:00 CA-1's and DA-2's, Neuro I
MK, IPC, PBLI, PC/PF,PS,QI,SV
Dr. Geralemou
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

10:00-11:00 Ethical Conduct of Research
Dr. Bennett-Guerrero

Goals: To discuss the elements of responsible conduct of research

Objectives:

1. Define common research terminology
2. Define research misconduct
3. Discuss accurate authorship

Goal: To advance resident's knowledge of basic principles of conducting clinical and basic science research

Objectives: To demonstrate understanding of how research is conducted, evaluated, explained to patients and applied to patient care.

Goals: To discuss the elements of responsible conduct of research

Objectives:

1. To discuss proper data presentation
2. To identify mistakes and negligence in the conduct of research
3. To identify the proper methods of sharing research results

11:00-11:30 CHAIRMAN'S LUNCH

11:30-12:30 Anesthesia for GU Surgery **MK,PC/PS**

Dr. Costa

Required reading: Morgan and Mikhail, Chapter 31

Goal: to discuss the anesthesia management of patients undergoing GU Surgery

Objectives:

1. Cystoscopy
2. TURP
3. Lithotripsy
4. Urological Malignancies
5. Renal Transplant

12:30-2:00 M & M Reviews: Morgan & Mikhail Chapters 50 & 51 **MK**

Dr. Kiamanesh

Goal: To pass Basic Exam

Objective: To review Basic Exam content

2:00-3:00 Q.I. Project and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**

Drs. Corrado, Gallagher

Goals:

1. To participate in a quality improvement and/or patient safety initiative
2. To improve one's clinical practice (**Sim Center Reserved**)

Objectives:

1. To be a participating member of a QI project
2. To receive performance feedback to improve patient safety and clinical practices

3:00-3:30 Rotation Feedback and Evaluation Completion:

PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:30-5:00 Independent Study

Thursday, March 8

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

Drs. Makaryus and Landman

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

Tuesday, March 13

5:30-7:30 PM Mock Orals ½ of CA-3 class **P,ICS,PBLI,MK/PF,PS**
 Drs. Jacob, Moller, Costa, Makaryus, Kiamanesh

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

Wednesday, March 14

6:30-7:00 Keyword Review **MK**
 Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Faculty Grand Rounds – Dr. Joshua Miller (Endocrinology)

8:00-11:00 CA-2's and DA-3's Cardiac **MK, IPC, PBLI, PC, P, SBP/PS**
 Dr. Kowal (**Anesthesia Library**) – **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

11:00-11:30 CHAIRMAN'S LUNCH

11:30-2:00 Board Review **MK**
Dr. Poovathoor

Goal: To pass written board exam

Objective: To complete practice board questions

2:00-3:00 Q.I Project and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
Drs. Corrado, Gallagher (**Sim Center – Not Available**)

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

3:00-3:30 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:30-5:00 Independent Study

Wednesday, March 21

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Senior Grand Rounds – Richard Thalappillil, M.D.

8:00-11:00 CA-3's, Rare Diseases and Techniques **MK, IPC, PC, SBP/PS,QI,PF,SV**
Dr. Jasiewicz (**Anesthesia Library**)

Simulator – Dr. Corrado (Sim Center Reserved)

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:
 - a. MH
 - b. Porphyria
 - c. Pseudocholinesterase deficiency
 - d. Myasthenia gravis/myasthenic syndromes

- e. Eaton-Lambert syndrome
 - f. Muscular dystrophy
 - g. Prolonged QT syndrome
 - h. Polycythemia vera : primary and secondary polycythemia
 - i. Charcot-Marie Tooth disease
 - j. Donnie and Marie Osmond disease
 - k. Guillian-Barre
 - l. Multiple sclerosis
 - m. ALS
 - n. Mitochondrial myopathies
 - o. Prolonged immobilization.
2. Describing anesthetic management of patients with
 - a. Ion channel myotonias
 - b. Acquired neuromyotonia
 - c. Myotonia congenital
 - d. Hyperkalemic periodic paralysis
 - e. Hypocalcemic periodic paralysis
 3. Describing anesthesia conducted at high altitude
 4. Understanding hyperbaric oxygen and anesthesia care.

11:00-11:30 CHAIRMAN'S LUNCH

11:30-12:30 Keywords: Neuro Topics **MK**
Dr. Geralemou

Goal: To pass written boards

Objective: To Review topics from previous board exams

12:30-1:30 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

Tuesday, March 27

5:30-7:30 PM Mock Orals ½ of CA-3 class **P,ICS,PBLI,MK/PF,PS**
Drs. Moller, Abola, Kiamanesh, Jasiewicz, Jacob

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

Wednesday, March 28

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Q.A. **PBLI/PS,QI**

8:00-9:00 CA-1's and DA-2's, Wellness Session II **IPC,P/PF,FM**

Dr. Tewari (**Anesthesia Library**)

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

9:00-11:00 CA-1's and DA-2's, Pain Management I. **SBP, PC/PS,QI,SV**
 Dr. Page
 Required reading: Morgan and Mikhail, Chapters, 45 & 48

Goal: To manage acute pain.

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. Describing routes of drug administration: oral, subq, transcutaneous, transmucosal, IM, IV, PCA, PCEA, intrapleural (hardly ever see this, truth to tell), nerve blocks, thoracic vs lumbar epidurals.
3. Epidural and nerve block considerations with anti-coagulation.
4. Clopidogrel, mechanism of action.
5. Understand side effects of commonly administered pain medications: opioids, ketamine, alpha-2 agonists, agonist/antagonists, NSAIDS.
6. Describe local anesthetic toxicity:
 - a. Risk factors at various block sites
 - b. Signs and symptoms of toxicity
 - c. Management, including use of lipid emulsion.
7. Managing side effects of epidural analgesia.
8. Discussing risks and benefits of post pain control modalities.
9. Managing PCA and epidural infusions for postop pain control.

11:00-11:30 CHAIRMAN'S LUNCH

11:30-2:00 Basic Exam Review **MK**
 Dr. Poovathoor

Goal: To pass Basic Exam

Objective: To review topics from previous Basic Exams

2:00-3:00 Q.I. Project and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
 Drs. Corrado, Gallagher (**Sim Center Reserved**)

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

3:00-3:30 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:30-5:00 Independent Study

Tuesday, April 3

5:30-7:30 PM Mock Orals, second ½ of CA-2 class **MK, IPC, PBLI, P/PS,PF**
 Drs. Gruen, Tito, Azim, Gupta, Wang

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

Wednesday, April 4

6:30-7:00 Keyword Review **MK**
 Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Chiefs Meeting

7:00-8:00 Faculty Meeting

8:00-11:00 CA-2's and DA-3's, Pediatric Anesthesia II
MK, IPC, PBLI, PC, P, SBP /SV,PS,QI
 Dr. Jasiewicz (**Anesthesia Library**)
 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:
 - a. Pierre-Robin syndrome
 - b. Treacher-Collins
 - c. Trisomy 21
 - d. Epiglottitis

- e. Muscular dystrophy
 - f. History of prematurity
 - g. Full stomach
2. Understanding performance of awake fiberoptic patient (and, often, the impossibility of doing this) in the pediatric patient.
 3. Describing the anesthetic management of a patient with an inhaled foreign body.
 4. Describing management of a pediatric cardiac arrest.

11:00-11:30 CHAIRMAN'S LUNCH

11:30-12:30 Keywords: Chronic Pain **MK**
Dr. Caldwell

Goal: To pass written boards

Objective: To review topics from previous board exams

12:30-2:00 Board Review **MK**
Dr. Costa

Goal: To pass the written Board

Objective: To review topics from previous Board exams

2:00-3:00 Q.I. Project and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
Drs. Corrado, Gallagher (**Sim Center Reserved**)

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

3:00-3:30 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:30-5:00 Independent Study

Wednesday, April 11

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Visiting Professor

8:00-11:00 CA-3's, Uncontrolled Conditions and Endocrine Disorders
MK, IPC, PC, SBP/PS, QI, SV
 Dr. Szafran (**Anesthesia Library**)
 Required reading: Barash, Clinical Anesthesia, Chapter 47 **and**
 Morgan and Mikhail, Chapter 34

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:
 - a. Hyper/hypoglycemia
 - b. DKA
 - c. Myxedema coma
 - d. Thyroid storm
 - e. 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 hypopituitarism, including management of diabetes insipidus.
5. Describing effects of hyperpituitarism, 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
 - a. Hypocalcemia
 - b. Hematoma
 - c. Recurrent nerve injury
 - d. Tracheomalacia

11:00-11:30 CHAIRMAN'S LUNCH

11:30-1:00 Board Review **MK**
 Dr. Poovathoor

Goal: To pass written board exam

Objective: To complete practice board questions

1:00-2:30 Mock OSCE **MK, SBP, P, ICS, PBLI/PF, PS, QI**
 Drs. Poppers and Kiamanesh

Goals:

1. To pass OSCE
2. To improve one clinical practice

Objectives:

1. To prepare for OSCE
2. To receive performance feedback to improve ones practice

2:30-3:00 Rotation Feedback and Evaluation Completion:
PBLI, P/PF, PS, SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:00-4:00 Independent Study

Wednesday, April 18

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Senior Grand Rounds – Anupam Sharma, M.D.

8:00-11:00 CA-1's and DA-2's, Pediatric Anesthesia I
MK, IPC, PC, P, SBP/PS, QI, SV, TC
Dr. Jasiewicz (**Anesthesia Library**)
Simulation – Dr. Corrado

Required reading: Morgan and Mikhail, Chapter 42

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:
 - a. Inhalation
 - b. IV
 - c. Rectal
 - d. IM “darting”
 - e. 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.

11:30-12:30 CHAIRMAN'S LUNCH

11:30-2:00 Basic Exam Prep **MK**
Dr. Poovathoor

Goal: To pass Basic Exam

Objective: To complete practice board questions

2:00-3:00 Rotation Feedback and Evaluation Completion:

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:00-5:00 Independent Study

Tuesday, April 24

5:30-7:00 PM Mock Orals, second ½ of CA-2 class **MK, IPC, PBLI, P/PS,PF**
Drs. Abola, Costa, Vuong, Park, Geralemou

Goal: To prepare for Oral Board Exam

Objectives:

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

Wednesday, April 25

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Q.A. **PBLI/QI,PS**

8:00-11:00 CA-2's and DA-3's, Cardiac **MK, IPC, PBLI, PC, P, SBP/PS**
Drs. Kowal and Grecu (**Anesthesia Library**)
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. Hypokinesia
 - 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

11:00-11:30 CHAIRMAN'S LUNCH

11:30-1:00 PBLD: General **MK, PC, PBLI, SBP/PS,SV,P,QI**
Dr. Steinberg

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

1:00-2:00 Q.I. Project and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
Drs. Corrado, Gallagher (**Sim Center Reserved**)

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

2:00-3:00 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:00-4:00 Independent Study

Tuesday, May 1

5:30-7:00 PM Mock Orals, second ½ of CA-1 class **MK, IPC, PBLI, P/PS,PF**
Drs. Vitkun, Voutsas, Gupta, Andraous, Park

Goal: To prepare for Oral Board Exam

Objectives:

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

Wednesday, May 2

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Faculty Meeting

7:00-8:00 **ALL RESIDENTS (CA-1/DA-2, 2 & 3)**
Addiction and Anesthesia II
Dr. Tewari (**Classroom 159**)

Substance Abuse Session: **P, SBP, ICS/PF**

Goal: Discuss treatment and follow-up of substance abuse

Objectives:

1. Discuss treatment options for substance abuse
2. Discuss Re-Entry and Relapse
3. Watch Wearing Masks: The spectrum of intervention
4. Discuss DVD content

8:00-9:00 CA-3's, OR Management **SBP/SV**
Dr. Rosenfeld
No Simulation

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:
 - a. Medication errors
 - b. Adverse events
 - c. Sentinel events
 - d. Mandatory and voluntary reporting systems
 - e. Legal requirements of reporting adverse events.
5. Describing the process of disclosing errors to patients.
6. Understanding process-based and evidence-based safety practices.

9:00-11:00 CA-3's, Written Board Review **MK**
Dr. Poovathoor

Goal: To pass written board exam

Objective: To complete practice board questions

11:00-11:30 CHAIRMAN'S LUNCH

11:30-2:00 Board Review **MK**
Dr. Poovathoor

Goal: To pass written board exam

Objective: To complete practice board questions

Wednesday, May 9

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Senior Grand Rounds – Jonathan Bacon, D.D.S.

8:00-11:00 CA-1/DA-2 Basic Exam Review **MK**
Dr. Poovathoor (**Anesthesia Library**)

Goal: To pass written board exam

Objective: To complete practice board questions

11:00-11:30 CHAIRMAN'S LUNCH

11:30-2:00 Basic Exam Review **MK**
Dr. Poovathoor

Goal: To pass written board exam

Objective: To complete practice board questions

2:00-3:00 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:00-5:00 Independent Study

Thursday, May 10

6:00 P.M. Journal Club **PBLI, MK/PS,QI**
Drs. Makaryus and Landman

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 16

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Grand Rounds

8:00-11:00 CA-2/DA-3 Board Review **MK**
Dr. Poovathoor (**Anesthesia Library**)

Goal: To pass written board exam

Objective: To complete practice board questions

11:00-11:30 CHAIRMAN'S LUNCH

11:30-12:30 Keywords: General Topics **MK**
Dr. Andraous

Goal: To pass written boards

Objective: To Review topics from previous board exams

12:30-1:30 PBLD: Advanced Clinical **MK, PBLI, SBP, IPC, PC/PF, QI, PS**
Dr. Moller

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 and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
Drs. Corrado, Gallagher (**Sim Center Reserved**)

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

2:30-3:00 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:00-4:00 Independent Study

Wednesday, May 23

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Senior Grand Rounds – Tyler Tomkinson, D.M.D.

8:00-9:00 CA-3 and DA-3 The Surgical Airway **PC,MK**
Dr. Epstein

Goal: To enhance surgical airway skills

Objective: To perform a surgical airway

9:00-11:00 CA-3 Advanced Board Review **MK**
Dr. Poovathoor (**Anesthesia Library**)

Goal: To pass written board exam

Objective: To complete practice board questions

11:00-11:30 CHAIRMAN'S LUNCH

11:30-2:00 Board Review **MK**
Dr. Poovathoor

Goal: To pass written board exam

Objective: To complete practice board questions

2:00-3:00 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:00-4:00 Independent Study

Tuesday, May 29

5:30-7:00 PM Mock Orals, ½ of CA-1 class **MK, IPC, PBLI, P/PF,PS**
Drs. Voutsas, Vitkun, Costa, Makaryus, Azim

Goal: To prepare for Oral Board Exam

Objectives:

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

Wednesday, May 30

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Q.A. **PBLI/QI,PS**

8:00-11:00 CA-1/DA-2 Basic Exam Review **MK**
Dr. Poovathoor

Goal: To pass written Board exam

Objective: To complete practice Board questions

11:00-11:30 CHAIRMAN'S LUNCH

11:30-2:00 Basic Exam Review **MK**
Dr. Poovathoor

Goal: To pass written Board exam

Objective: To complete practice Board questions

2:00-5:00 Independent Study

Tuesday, June 5

5:30-7:00 PM Mock Orals, ½ of CA-3 class **MK, IPC, PBLI, P/PS,PF**
Drs. Kogan and Makaryus

Goal: To prepare for Oral Board Exam

Objectives:

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

Wednesday, June 6

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Chiefs Meeting

7:00-8:00 Faculty Meeting

8:00-11:00 CA-2 AKT-24 Exam (**Anesthesia Library**)

11:00:11:30 CHAIRMAN'S LUNCH

12:00-5:00 PALS

Wednesday, June 13

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Visiting Professor

8:00-11:00 CA-3 Advanced Board Review **MK**
Dr. Poovathoor (**Anesthesia Library**)

Goal: To pass written board exam

Objective: To complete practice board questions

11:00-11:30 CHAIRMAN'S LUNCH

11:30-2:00 Board Review **MK**
Dr. Poovathoor

Goal: To pass written board exam

Objective: To complete practice board questions

2:00-3:00 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:00-4:00 Independent Study

Tuesday, June 19

5:30-7:00 PM Mock Orals, ½ of CA-3 class **MK, IPC, PBLI, P/PS,PF**
Drs. Kogan and Makaryus

Goal: To prepare for Oral Board Exam

Objectives:

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

Wednesday, June 20

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

Goal: To pass written anesthesia Board exam.

Objectives: To review written exam content

7:00-8:00 Senior Grand Rounds – Hasan Zia, D.D.S.

8:00-11:00 CA-1's and DA-2's, Neuroanesthesia II **MK, IPC, PC, P, SBP/PS**
Dr. Kogan (**Anesthesia Library**)
Required reading: Barash, Clinical Anesthesia, Chapter 51

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

11:00-11:30 CHAIRMAN'S LUNCH

11:30-12:30 Career Development I **P**
Dr. Gupta

12:30-1:30 PBLD: PACU **MK, PBLI, SBP, IPC, PC/PF, QI, PS**
Dr. Zabirowicz

Goal: To discuss the management of a complicated PACU case

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

1:30-2:30 Q.I. Project and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
Drs. Corrado, Gallagher (**Sim Center Reserved**)

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

2:30-3:00 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:00-4:00 Independent Study

Wednesday, June 27

6:30-7:00 Keyword Review **MK**
Dr. Kogan (**Anesthesia Library**)

7:00-8:00 Q.A. **PBLI/PS,QI**

8:00-11:00 CA-2 Advanced Board Review **MK**
Dr. Poovathoor (**Anesthesia Library**)

Goal: To pass written board exam

Objective: To complete practice board questions

11:00-11:30 CHAIRMAN'S LUNCH

11:30-1:00 Keywords: Thoracic Topics **MK**
Dr. Kowal

Goal: To pass written boards

Objective: To Review topics from previous board exams

1:00-2:00 Q.I. Project and Sim Session **PC,P,PBLI,IPC,SBP/PS,QI,P,TC**
Drs. Corrado, Gallagher (**Sim Center Reserved**)

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

2:00-3:00 Rotation Feedback and Evaluation Completion:
PBLI,P/PF,PS,SV

Goals:

1. To evaluate residency program educational activities
2. To improve one's clinical practice and knowledge base

Objectives:

1. To complete all outstanding end rotation, lecture and faculty evals
2. To receive feedback on clinical performance and knowledge base

3:00-4:00 Independent Study