### General Anesthesia

| Condition                                      | Management/Intervention                             |
|------------------------------------------------|-----------------------------------------------------|
| Perioperative Pulmonary Dysfunction            | Perioperative AKI                                   |
| Perioperative Glycemic Control                 | Perioperative Steroid Replacement                   |
| Airway Trauma                                  | Malignant Hyperthermia                              |
| Perioperative Stroke                           | Perioperative Nutrition                             |
| Temperature Management                         | Perioperative Visual Loss                           |
| Perioperative Beta-Blockade                    | Smoking Cessation                                   |
| Geriatric Anesthesia                           | Perioperative Ventilation Strategies                |
| Regional Anesthesia in Ophthalmologic Surgery  | B-AWARE Trial (Intraoperative Awareness)            |
| B-UNAWARE Trial (Intraoperative Awareness)     |                                                     |

### Pharmacology

| Pharmacology                                      | Management/Intervention                             |
|--------------------------------------------------|-----------------------------------------------------|
| Opioid Pharmacology                              | Inotropes and Vasopressors                          |
| Vasopressin                                      | Etomidate                                           |
| Anaphylaxis                                      | Cephalosporins in Penicillin Allergy                |
| Methylene Blue                                   | Propofol Pain                                       |
| Peri-anesthetic Anaphylaxis                      |                                                     |

### Monitoring and Anesthesia Equipment

| Monitoring and Equipment                         | Management/Intervention                             |
|--------------------------------------------------|-----------------------------------------------------|
| Blood Pressure Monitoring                        | Breathing Circuits                                   |
| Tissue Oximetry                                  | Bispectral Index Monitoring                         |
| Pulmonary Artery Catheters                        |                                                     |

### Critical Care Medicine

| Critical Care Medicine                           | Management/Intervention                             |
|--------------------------------------------------|-----------------------------------------------------|
| Ventilation Strategies                           | Weaning from Mechanical Ventilation                 |
| Non-invasive Mechanical Ventilation             | Renal Replacement Therapy                           |
| ICU Sedation                                     | Early Goal Directed Therapy                         |

### Anesthesia and Co-Existing Disease

| Disease and Co-Existing Disease                  | Management/Intervention                             |
|--------------------------------------------------|-----------------------------------------------------|
| Management of OSA                                | Perioperative Pheochromocytoma                       |
| Parkinsons Disease and Anesthesia                | Multiple Sclerosis                                   |
| Myasthenia Gravis                                | Thymectomy in Myasthenia                            |
| Anesthesia and HIV                               | Endocrine Surgery                                    |
| Dysautonomia                                     |                                                     |

### Obstetric Anesthesia

| Obstetric Anesthesia                             | Management/Intervention                             |
|--------------------------------------------------|-----------------------------------------------------|
| Labour Analgesia Outcomes                        | Non-Obstetric Surgery During Pregnancy              |
| Patient Controlled Epidural Analgesia            | Post Dural Puncture Headache                         |
### Teaching File

#### Cardiac Disease in Anesthesia
- Cardiac Risk in Non-Cardiac Surgery
- Advanced Events with Coronary Stent
- Hypertrophic Cardiomyopathy
- CABG Trial - Coronary Revascularization
- Pulmonary Hypertension

#### Cardiothoracic Anesthesia
- Coronary Artery Bypass Grafting
- Blood Pressure Management During CEA
- CSF Drainage for TIA
- Anesthesia in Thoracic Surgery
- Anaesthetic Agents for Thoracic Surgery
- Preoxygenation
- Circ: Low Tidal Volumes During DLV
- Hypoxemia During DLV
- Thoracic Epidural Anaesthesia
- Fibreoptic Positioning of Double Lumen Tubes
- Thoracic Epidural Anaesthesia

#### Fluid Management
- Fluid Therapy in SEPSIS
- Crystalloids vs Colloids
- SAFE Trial (Albumin)

#### General Anesthesia
- Perioperative Pulmonary Dysfunction
- Perioperative AAD
- Perioperative Glycerin Control
- Perioperative Steroid Replacement
### Obstetric Anesthesia
- Labour Analgesia Outcomes
- Patient Controlled Epidural Analgesia
- Amniotic Fluid Embolism
- 2015 Gerard W O'Heimer Whats New in OB Anesthesia
- Non-Obstetric Surgery During Pregnancy
- Post Dural Puncture Headache
- Epidural Hematoma

### Pediatric Anesthesia
- Pediatric URI
- Apnea in Former Preterm Infants
- Congenital Cardiac Disease
- Down Syndrome
- Pyloric Stenosis
- Pediatric Sedation

### Peri-Operative Care
- Pacemakers and AICD Review
- Pacemaker/AICD Algorithm

### Magnet Instructions
- Biotronik Pacemaker
- Biotronik AICD
- Boston Scientific Electrocautery Education
- Boston Scientific Pacemaker
- Boston Scientific AICD
- Boston Scientific S-ICD
- Medtronic EMl Education
- Medtronic Magnet Application
- St. Jude Pacemaker
- St. Jude AICD

### Transfusion Medicine
- Transfusion vs Anemia
- Blood Management
- Transfusion Risks
- Infectious Transfusion Risks
- Transfusion Related Acute Lung Injury
- Coagulopathy in Massive Transfusion
- Preoperative Acute Normovolemic Hemodilution
- Perioperative Cell Salvage
- TRIC Trial

### Post-Operative Management
- Delayed Emergence
- Post-operative Nausea and Vomiting
- Post-operative Urinary Retention
- Post-operative Cognitive Dysfunction
- Post-operative Delirium
- Post-operative Neurologic Complications
- Music and Post-operative Recovery

### Ethics
- Informed Consent
- IRB and Research Ethics
- Peri-operative DNR
- Perioperative Jehovahs Witness

### Physician Wellness
- Substance Abuse in Anesthesia
- Fatigue in Anesthesia