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| **FCA PART I TUTORIAL PROGRAMME - 2016** |
| **Date** | **Week** | **Topic** | **Presenter** |
| 05/08/2016 | MonitoringBasic Physics | * Pressure Monitoring
* Gas Laws
* Pressure Volume
 | S MoodliyarT Kruger |
| 12/08/2016 | Basic Physiology | * Cellular Physiology
 | O Khobo-Mpe |
| 19/08/2016 | Basic Pharm | * Pharmacokinetics
* Pharmacodynamics
* Drug Interactions
 | JM Dippenaar |
| 02/09/2016 | Physics | * Gas Supply
* Gas Distribution
 | T Kruger |
| 09/09/2016 | CNS  | * Muscle
* NMJ Transmission
* NMJ Pharmacology
* Neuromuscular Monitoring
 | H Maakamedi |
| 16/09/2016 | Physics | * Anaesthetic Machines
* Breathing Systems
 | BG Lenhard |
| 23/09/2016 | CNS | * Nerves
* ANS
* Drugs that act on ANS
 | A Porter |
| 30/09/2016 | CNS | * Inhalationals
* IV Induction Drugs
* Brain Protection Strategies
* TCI
 | JM Dippenaar  |
| 07/10/2016 | Pain | * Acute & Chronic Pain
* Analgesics
* Opioids
 | C Van Rooyen  |
| 14/10/2016 | Pain | * Pain Pumps
* Spinal Stimulators
 | C Van Rooyen  |
| 21/10/2016 | Vascular | * Peripheral Circulation
* Vasodilatoin
* Anti-hypertensives
 | G Siyaka |
| 28/10/2016 | Cardiac | * Electrophysiology
* Anti-arrythmics
 | D vd Merwe |
| 04/11/2016 | Cardiac | * ECG
* Pacemakers
* Defibrillators
 | HM Maakamedi  |

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| 11/11/2016 | Cardiac | * Pump Function
* Inotropes
* Vasoconstrictors
 | O Khobo-Mpe |
| 18/11/2016 | Cardiac | * Coronary Circulation
* IHD
* Statins
* B- blockers
* Myocardial Preconditioning
 | S Spijkerman  |
| 25/11/2016 | Cardiac | * Cardiac Output Monitoring
* Cardiac Imaging
 | A Alberts  |
| 02/12/2016 | CNS | * Brain Function
* Brain Monitoring
 | M Kalipa |
| 09/12/2016 | Physics | * Pressure Monitoring
 | Dr T Kruger  |
| 06/01/2017 | Respiratory | * Respiratory Mechanics
* Control
* Mechanics
* Gas Monitoring
* Oximetry
 | D Van der Merwe |
| 13/01/2017 | Respiratory | * Immunosuppression
* Asthma & COPD
* Anti histamines
 | BG Lenhard |
| 20/01/2017 | Respiratory  | * Non- respiratory Function
* Cardio-pulmonary Function
* V-Q shunts
* Altitude
 | D Van der Merwe |
| 27/01/2017 | Respiratory  | * Ventilators
* PFT’s
* FLOOPS
* ABG
* Apnea Monitoring
 | H Maakamedi |
| 03/02/2017 | Renal | * Water & Electrolytes
* Fluid Therapy
* Electrolytes Replacement
 | H Schutte |
| 10/02/2017 |  | **MOCK EXAM** |  |
| 17/02/2017 | Renal | * Acid – Base
* Electrolyte measurement
 | M Kalipa |
| 24/02/2017 | Haematology | * Coagulation
* Haemostasis
* Pro-, anticoagulants
* Blood & It’s Products
* O2 Carriers
 | M Mosola |
| 03/03/2017 | Haematology | * Coagulation monitoring
 | M Mosola  |

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| 10/03/2017 | GIT | * Physiology
* PONV
* Antacids & Prokinetics
 | M Voigt |
| 17/03/2017 |  | * Obstetric Physiology
* Neonatal Physiology
* Uterotonics
 | S Naidoo |
| 24/03/2017 |  | * Epidural Space
* Epidural /Spinal needles
* Local Anaesthetics
 | B Lenhard |
| 31/03/2017 |  | * Electromagnetics
* MRI Suite
 | HM Maakamedi  |
| 07/04/2017 | Immunology | * Inflammation
* Anaphylaxis
* Steroids
* Chemotherapy
 | S Naidoo  |
| 21/04/2017 |  | * Anti microbials
* Antiretrovirals
 | A Porter |
| 28/04/2017 | Nutrition | * Nutrition
* TPN
 | H Kluyts |
| 05/05/2017 | Endocrine | * Pancreas
	+ DM + antidiabetics
* Adrenal
	+ Phaeochromocytoma
 | A Mazibuko  |
| 12/05/2017 | Endocrine | * Thyroid
* Pituitary
 | A Mazibuko |
| 19/05/2017 |  | **MOCK EXAM** |  |
| 26/05/2017 | Pharm | * Pharmacogenetics
* Pharmacogenomics
* Temperature Monitoring
 | JM Dippenaar  |
| 02/06/2017 | Statistics | Statistics  | T Kruger/ JLA Rantloane  |
| 09/06/2017 | Statistics | Statistics | T Kruger/ JLA Rantloane  |
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