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| **FCA PART I TUTORIAL PROGRAMME - 2016** | | | |
| **Date** | **Week** | **Topic** | **Presenter** |
| 05/08/2016 | Monitoring  Basic Physics | * Pressure Monitoring * Gas Laws * Pressure Volume | S Moodliyar  T 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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