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| **Week 1 - Cardiovascular block (Male - A)** | | | | |
| **Week (1) Starting : 12/03/2017 to 16/03/2017 (13/06/1438 to 17/06/1438)** | | | | |
| **Normal Heart, Arrhythmias and Cardiac Cycle** | | | | |
| **CHAIR PERSON : Prof. Mona Soliman** | | | | |
| **CO-CHAIR : Dr. Hanan Baker** | | | | |
| **Sunday**  **12 March 2017** | **Monday**  **13 March 2017** | **Tuesday**  **14 March 2017** | **Wednesday**  **15 March 2017** | **Thursday**  **16 March 2017** |
| **8:00 – 9:00 am**  Introduction to CVS block  **(Medical Education)**  **Prof. Hamza Abdulghani** | **8:00 – 9:00 am**  Cardiac cycle 1  **(Physiology)**  **Dr. Ahmed Alshafei** | **8:00 – 9:00 am**  The Electrocardiogram  **(Physiology)**  **Dr. Ahmed Alshafei** | **8:00 – 9:00 am**  **Self – directed**  **Learning** | **8:00 – 9:00 am**  **Self – directed**  **Learning** |
| **9:00 – 10:00 am**  Contractile mechanism in cardiac muscle  **(Physiology)**  **Dr. Ahmed Alshafei** | **9:00 – 10:00 am**  Cardiac cycle 2  **(Physiology)**  **Dr. Ahmed Alshafei** | **9:00 – 10:00 am**  Arrhythmias  **(Cardiac Sciences Department)**  **Dr. Ahmed Alhersi** | **9:00 – 10:00 am**  **Self – directed**  **Learning** | **9:00 – 10:00 am**  Beta adrenergic  Blockers  **(Pharmacology)**  **Dr. Ishfaq Bukhari** |
| **10:00 – 11:00 am**  Anatomy of the Heart  **(Anatomy)**  **Dr. Mohammed Vohra** | **10:00 – 12:00nn**  **(Practical)**  Anatomy of the heart  **(Anatomy)**  **All Staff** | **10:00 – 11:00 am**  **Self – directed**  **Learning** | **10:00 – 11:00 am**  Cardiac electric activity  **(Physiology)**  **Dr. Ahmed Alshafei** | **10:00 – 11:00 am**  The Development of the Heart  **(Anatomy)**  **Prof. Saeed Abuelmakarem** |
| **11:00am – 12:00nn**  Structure of the cardiac muscle  **(Histology)**  **Dr. Aly Mohammed** | **11:00am – 12:00nn**  **Self – directed**  **Learning** | **11:00am – 12:00nn**  Alpha adrenergic blockers & sympatholytic  **(Pharmacology)**  **Dr. Ishfaq Bukhari** | **11:00am – 12:00nn**  **Self – directed**  **Learning** |
| **Lunch**  **12:00 – 1:00 pm** | **Lunch**  **12:00 – 1:00 pm** | **Lunch**  **12:00 – 1:00 pm** | **Lunch**  **12:00 – 1:00 pm** | **Lunch**  **12:00 – 1:00 pm** |
| **1:00 – 2:00 pm**  CVS examination 1:  Pulses, JVP  **Clinical Skills**  **(A1)** | **1:00 – 2:00 pm**  **Self – directed**  **Learning** | **1:00 – 3:00 pm**  **(Practical)**  Histology of the cardiac muscle  **(Histology)**  **All Staff** | **1:00 – 3:00 pm**  **(Practical)**  The Electrocardiogram  ECG  **(Physiology)**  **All Staff** | **1:00 – 3:00 pm**  **S A L A M** |
| **2:00 – 3:00 pm**  CVS examination 1:  Pulses, JVP  **Clinical Skills**  **(A2)** | **2:00 – 3:00 pm**  **Self – directed**  **Learning** |

**LECTURE THEATER A**

**Room No.2141, Level 2**

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| **Week 2 - Cardiovascular block (Male - A)** | | | | |
| **Week (2) Starting : 19/03/2017 to 23/03/2017 (20/06/1438 to 24/06/1438)** | | | | |
| **Valve disease, The Heart as a Pump and heart failure** | | | | |
| **CHAIR PERSON : Prof. Mona Soliman** | | | | |
| **CO-CHAIR : Dr. Hanan Baker** | | | | |
| **Sunday**  **19 March 2017** | **Monday**  **20 March 2017** | **Tuesday**  **21 March 2017** | **Wednesday**  **22 March 2017** | **Thursday**  **23 March 2017** |
| **8:00 – 10:00 am**  **Problem-based**  **Learning**  **Case 1 Tutorial 1** | **8:00 – 9:00 am**  Rheumatic heart disease  **(Immunology)**  **Prof. Adel Almogren** | **8:00 – 9:00 am**  Drug therapy for heart failure 1  **(Pharmacology)**  **Prof. Abdulrahman Almotrefi** | **8:00 – 10:00 am**  **Problem-based**  **Learning**  **Case 1 Tutorial 2** | **8:00 – 9:00 am**  **Self – directed**  **Learning** |
| **9:00 – 10:00 am**  Infective endocarditis  **(Microbiology)**  **Prof. Ali Somily** | **9:00 – 10:00 am**  Heart sounds & murmurs  **(Physiology)**  **Dr. Ahmed Alshafei** | **9:00 – 10:00 am**  Pathology & pathogenesis of ischemic heart diseases  **(Pathology)**  **Dr. Ahmed Al Humaidi** |
| **10:00 – 11:00 am**  Microbiology of myocarditis & pericarditis  **(Microbiology)**  **Prof. Ali Somily** | **10:00 – 11:00 am**  Pathology of rheumatic fever, endocarditis & heart valves  **(Pathology)**  **Prof. Ammar Alrikabi** | **10:00 – 11:00 am**  Antiarrhythmic  Drugs 2  **(Pharmacology)**  **Prof. Abdulrahman Almotrefi** | **10:00 – 11:00 am**  Drug theraphy for heart failure 2  **(Pharmacology)**  **Prof. Abdulrahman Almotrefi** | **10:00am – 12:00nn**  **(Practical)**  The recording of Jugular venous & carotid arterial pressures  **(Physiology)**  **All Staff** |
| **11:00am –12:00nn**  Lactic acidosis  **(Biochemistry)**  **Dr. Usman Ghani** | **11:00am – 12:00nn**  Antiarrhythmic  drugs 1  **(Pharmacology)**  **Prof. Abdulrahman Almotrefi** | **11:00am – 12:00nn**  Risk factors & pathogenesis of atherosclerosis  **(Pathology)**  **Dr. Ahmed Al Humaidi** | **11:00am -12:00nn**  **Self – directed**  **Learning** |
| **Lunch**  **12:00 – 1:00 pm** | **Lunch**  **12:00 – 1:00 pm** | **Lunch**  **12:00 – 1:00 pm** | **Lunch**  **12:00 – 1:00 pm** | **Lunch**  **12:00 – 1:00 pm** |
| **1:00 – 2:00 pm**  CVS examination 2:  Heart  **Clinical Skills**  **(A1)** | **1:00 – 2:00 pm**  Venous return & cardiac output  **(Physiology)**  **Dr. Ahmed Alshafei** | **1:00 – 3:00 pm**  **(Practical)**  Heart sounds  **(Physiology)**  **All Staff** | **1:00 – 2:00 pm**  Regulation of stroke volume (preload, contractility & afterload) & heart failure  **(Physiology)**  **Dr. Ahmed Alshafei** | **1:00 – 3:00 pm**  **S A L A M** |
| **2:00 – 3:00 pm**  CVS examination 2:  Heart  **Clinical Skills**  **(A2)** | **2:00 – 3:00 pm**  Stroke volume  **(Physiology)**  **Dr. Ahmed Alshafei** | **2:00 – 3:00 pm**  **Self – directed**  **Learning** |

**LECTURE THEATER A**

**Room No.2141, Level 2**

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| **Week 3 - Cardiovascular block (Male - A)** | | | | |
| **Week (3) Starting : 26/03/2017 to 30/03/2017 (27/06/1438 to 02/07/1438)** | | | | |
| **Normal Blood Pressure and Hypertension** | | | | |
| **CHAIR PERSON : Prof. Mona Soliman** | | | | |
| **CO-CHAIR : Dr. Hanan Baker** | | | | |
| **Sunday**  **26 March 2017** | **Monday**  **27 March 2017** | **Tuesday**  **28 March 2017** | **Wednesday**  **29 March 2017** | **Thursday**  **30 March 2017** |
| **8:00 – 9:00 am**  Anatomy of large blood vessels – arteries  **(Anatomy)**  **Prof. Ahmed Fathalla** | **8:00 – 9:00 am**  Cholesterol  Metabolism  **(Biochemistry)**  **Dr. Usman Ghani** | **8:00 – 9:00 am**  Regulation of blood pressure  **(Physiology)**  **Dr. Ahmed Alshafei** | **8:00 – 9:00 am**  **Self – directed**  **Learning** | **8:00 – 9:00 am**  **Self – directed**  **Learning** |
| **9:00 – 10:00 am**  Histology of the blood vessels  **(Histology)**  **Dr. Aly Mohammed** | **9:00 – 10:00 am**  **Self – directed**  **Learning** | **9:00 – 10:00 am**  Pathology of thromboembolism  **(Pathology)**  **Dr. Ahmed Al Humaidi** | **9:00 – 10:00 am**  Treatment of hypertension 1  **(Pharmacology)**  **Dr. Osama Yousef** | **9:00 – 10:00 am**  Shock  **(Physiology)**  **Dr. Ahmed Alshafei** |
| **10:00 – 11:00 am**  **Self – directed**  **Learning** | **10:00 – 11:00 am**  Anatomy of large blood vessels – veins  **(Anatomy)**  **Dr. Khaleel Alyahya** | **10:00 – 12:00nn**  **(Practical)**  Measurement of arterial blood pressure  **(Physiology)** | **10:00 – 11:00 am**  Treatment of hypertension 2  **(Pharmacology)**  **Dr. Osama Yousef** | **10:00 – 12:00nn**  **(Practical)**  Pathology of cardiovascular diseases 1  **(Pathology)**  **Dr. Ahmed Al Humaidi** |
| **11:00am – 12:00nn**  Arterial blood pressure  **(Physiology)**  **Dr. Ahmed Alshafei** | **11:00am – 12:00nn**  Pathology & pathogenesis of hypertension  **(Pathology)**  **Dr. Ahmed Al Humaidi** | **11:00am –12:00nn**  **Self – directed**  **Learning** |
| **Lunch**  **12:00 – 1:00 pm** | **Lunch**  **12:00 – 1:00 pm** | **Lunch**  **12:00 – 1:00 pm** | **Lunch**  **12:00 – 1:00 pm** | **Lunch**  **12:00 – 1:00 pm** |
| **1:00 – 2:00 pm**  Take a history related to cardiac symptoms  **Clinical Skills**  **(A1)** | **1:00 – 2:00 pm**  **Self – directed**  **Learning** | **1:00 – 2:00 pm**  Capillary circulation  **(Physiology)**  **Dr. Ahmed Alshafei** | **1:00 – 3:00 pm**  **(Practical)**  Anatomy and histology of the major arteries and veins  **(Anatomy & Histology)**  **All Staff** | **1:00 – 3:00 pm**  **S A L A M** |
| **2:00 – 3:00 pm**  Take a history related to cardiac symptoms  **Clinical Skills**  **(A2)** | **2:00 – 3:00 pm**  **Self – directed**  **Learning** | **2:00 – 3:00 pm**  **Self – directed**  **Learning** |

**LECTURE THEATER A**

**Room No.2141, Level 2**

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| **Week 4 - Cardiovascular block (Male - A)** | | | | |
| **Week (4) Starting : 02/04/2017 to 06/04/2017 (05/07/1438 to 09/07/1438)** | | | | |
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| **CHAIR PERSON : Prof. Mona Soliman** | | | | |
| **CO-CHAIR : Dr. Hanan Baker** | | | | |
| **Sunday**  **02 April 2017** | **Monday**  **03 April 2017** | **Tuesday**  **04 April 2017** | **Wednesday**  **05 April 2017** | **Thursday**  **06 April 2017** |
| **2nd Semester**  **Vacation** | | | | |

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| **Week 5 - Cardiovascular block (Male - A)** | | | | |
| **Week (5) Starting : 09/04/2017 to 13/04/2017 (12/07/1438 to 16/07/1438)** | | | | |
| **Atherosclerosis and Myocardial Infarction** | | | | |
| **CHAIR PERSON : Prof. Mona Soliman** | | | | |
| **CO-CHAIR : Dr. Hanan Baker** | | | | |
| **Sunday**  **09 April 2017** | **Monday**  **10 April 2017** | **Tuesday**  **11 April 2017** | **Wednesday**  **12 April 2017** | **Thursday**  **13 April 2017** |
| **8:00 – 10:00 am**  **Problem-based**  **Learning**  **Case 2 Tutorial 1** | **8:00 – 9:00 am**  Lipoprotein metabolism  **(Biochemistry)**  **Dr. Usman Ghani** | **8:00 – 9:00 am**  **Self – directed**  **Learning** | **8:00 – 10:00 am**  **Problem-based**  **Learning**  **Case 2 Tutorial 2** | **8:00 – 9:00 am**  Antianginal drugs 1  **(Pharmacology)**  **Dr.Osama Yousif** |
| **9:00 – 10:00 am**  **Self – directed**  **Learning** | **9:00 – 10:00 am**  Lipoprotein & Atherosclerosis  **(Biochemistry)**  **Dr. Usman Ghani** | **9:00 – 10:00 am**  Antianginal drugs 2  **(Pharmacology)**  **Dr. Osama Yousif** |
| **10:00 – 11:00 am**  Anatomy of the arterial supply and venous drainage of the heart  **(Anatomy)**  **Dr. Essam Salama** | **10:00 – 11:00 am**  Drugs for hyperlipidemia 1  **(Pharmacology)**  **Dr. Osama Yousif** | **10:00 – 11:00am**  **Self – directed**  **Learning** | **10:00 – 11:00 am**  Thrombolytic therapy  **(Pharmacology)**  **Dr. Ishfaq Bukhari** | **10:00 – 11:00am**  **Self – directed**  **Learning** |
| **11:00am – 12:00nn**  Pathology of vasculitis  **(Pathology)**  **Dr. Ahmed Al Humaidi** | **11:00am – 12:00nn**  Drugs for hyper lipidemia 2  **(Pharmacology)**  **Dr. Osama Yousif** | **11:00am – 12:00nn**  **Self – directed**  **Learning** | **11:00am –12:00nn**  Biochemical markers of myocardial infarction  **(Biochemistry)**  **Dr. Usman Ghani** | **11:00am – 12:00nn**  **Self – directed**  **Learning** |
| **12:00 – 3:00**  **Clinical Skills**  **Assessment**  **OSCE** | **Lunch**  **12:00 – 1:00 pm** | **Lunch**  **12:00 – 1:00 pm** | **Lunch**  **12:00 – 1:00 pm** | **Lunch**  **12:00 – 1:00 pm** |
| **1:00 – 2:00 pm**  Coronary circulation  **(Physiology)**  **Dr. Ahmed Alshafei** | **1:00 – 3:00 pm**  **(Practical)**  Pathology of cardiovascular diseases 2  **(Pathology)**  **Dr. Ahmed Alhumaidi** | **1:00 – 2:00 pm**  Oxidative stress  **(Biochemistry)**  **Dr. Usman Ghani** | **1:00 – 3:00 pm**  **S A L A M** |
| **2:00 – 3:00 pm**  **Self – directed**  **Learning** | **2:00 – 3:00 pm**  **Self – directed**  **Learning** |

**LECTURE THEATER A**

**Room No.2141, Level 2**

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| **Week 6 - Cardiovascular block (Male - A)** | | | | |
| **Week (6) Starting : 16/04/2017 to 20/04/2017 (19/07/1438 to 23/07/1438)** | | | | |
| **Consolidation Week** | | | | |
| **CHAIR PERSON : Prof. Mona Soliman** | | | | |
| **CO-CHAIR : Dr. Hanan Baker** | | | | |
| **Sunday**  **16 April 2017** | **Monday**  **17 April 2017** | **Tuesday**  **18 April 2017** | **Wednesday**  **19 April 2017** | **Thursday**  **20 April 2017** |
| **Consolidation** | **Consolidation** | **Consolidation** | **Consolidation** | **Consolidation** |

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| **Week 7 - Cardiovascular block (Male - A)** | | | | |
| **Week (7) Starting : 23/04/2017 to 27/04/2017 (26/07/1438 to 01/08/1438)** | | | | |
| **Examination Week** | | | | |
| **CHAIR PERSON : Prof. Mona Soliman** | | | | |
| **CO-CHAIR : Dr. Hanan Baker** | | | | |
| **Sunday**  **23 April 2017** | **Monday**  **24 April 2017** | **Tuesday**  **25 April 2017** | **Wednesday**  **26 April 2017** | **Thursday**  **27 April 2017** |
| **8:00 – 9:00 am**  Self – directed  Learning | **8:00 – 11:30 am**  **Final MCQ** | **8:00 – 9:00 am**  Self – directed  Learning | **8:00 – 9:00 am**  Self – directed  Learning | **8:00 – 9:00 am**  Self – directed  Learning |
| **9:00 – 10:00 am**  Self – directed  Learning | **9:00 – 10:00 am**  Self – directed  Learning | **9:00 – 10:00 am**  Self – directed  Learning | **9:00 – 10:30 am**  **OSPE** |
| **10:00 – 11:00 am**  Self – directed  Learning | **10:00 – 11:00am**  Self – directed  Learning | **10:00 – 11:00 am**  Self – directed  Learning |
| **11:00am – 12:00nn**  Self – directed  Learning | **11:30am – 12:00nn**  Self – directed  Learning | **11:00am – 12:00nn**  Self – directed  Learning | **11:00am – 12:00nn**  Self – directed  Learning | **10:30am – 12:00nn**    Self – directed  Learning |
| **Lunch**  **12:00 – 1:00 pm** | **Lunch**  **12:00 – 1:00 pm** | **Lunch**  **12:00 – 1:00 pm** | **Lunch**  **12:00 – 1:00 pm** | **Lunch**  **12:00 – 1:00 pm** |
| **1:00 – 2:00 pm**  Self – directed  Learning | **1:00 – 2:00 pm**  Self – directed  Learning | **1:00 – 2:00 pm**  Self – directed  Learning | **1:00 – 2:00 pm**  Self – directed  Learning | **1:00 – 2:00 pm**  Self – directed  Learning |
| **2:00 – 3:00 pm**  Self – directed  Learning | **2:00 – 3:00 pm**  Self – directed  Learning | **2:00 – 3:00 pm**  Self – directed  Learning | **2:00 – 3:00 pm**  Self – directed  Learning | **2:00 – 3:00 pm**  Self – directed  Learning |