**Third year Virology (Practical and Theory) 2017-2018**

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| **Lab.**  **Instructor** | **Practical** | **Lecturer** | **Lectures** | **week** |
| ا.م.د. أسماء باقر | -Introduction to practical virology & Methods of diagnosis of viral infections | ا.م.د. اروى مجاهد | 1-General properties and classification of viruses | 1 |
| 2- Viral genetics  - Viral Replication cycle |
| ا.م.د. اروى مجاهد | - Clinical specimens collection and handling | ا.م.د. اروى مجاهد | 3-Interferons  -Viral Vaccines  -Newly discovered vaccines | 2 |
| 4-Antiviral chemotherapy |
| ا.م.د. أسماء باقر | -Preparation of tissue culture, and Types of tissue culture systems | ا.م.د. أسماء باقر | 5-DNA nonenveloped viruses | 3 |
| 6-HPV and newly discovered Polyomaviruses |
| ا.م.د. أسماء باقر | - Inoculation of clinical sample in tissue culture  - Detection of virus growth in tissue culture, demonstration of different cytopathic effects | أ.د.أحمد صاحب | 7-DNA enveloped viruses  Herpesviruses I  8-Herpesviruses II  -Poxviruses | 4 |
| ا.م.د. اروى مجاهد | - Inoculation of clinical sample in embryo-egg  - Inoculation of clinical sample in lab. Animals  - Viral Titration | أ.د.أحمد صاحب | 9-10-Orthomyxoviruses I, II | 5 |
| ا.م.د. اروى مجاهد | Detection of viruses using direct and indirect serological tests | ا.م.د. أسماء باقر | 11,12-Paramyxoviruses I, II | 6 |
| أ.د.أحمد صاحب | Rapid diagnostic methods | أ.د.أحمد صاحب | 13-14-Hepatitis viruses and New trends in the treatment of Hepatitis viruses I,II | 7 |
| ا.م.د. أسماء باقر | Detection of viruses using immunocytochemistry (ICC) (viral antigeneamia assay) and Immunohistochemistry (IHC). | ا.م.د. أسماء باقر | 15-Midterm Exam | 8 |
| 16- Rubella virus and other congenital viral infections |  |
| ا.م.د. اروى مجاهد | Detection of viruses using EM | ا.م.د. أسماء باقر | 17-18-Picornaviruses I,II Reemerging Poliomyelitis | 9 |
| ا.م.د. اروى مجاهد | Detection of viruses using polymerase chain reaction (PCR), and reverse transcriptase PCR | أ.د.أحمد صاحب | 19-Reoviruses | 10 |
| 20-Rabies and other CNS infections and Prion diseases |
| ا.م.د. أسماء باقر | Detection and quantification of viral load using Real time polymerase chain reaction (RT-PCR) | ا.م.د. اروى مجاهد | 21-22-Retroviruses  1-HIV  2-HTLVs | 11 |
| ا.م.د. أسماء باقر | -Selected Clinical cases in Virology I | أ.د.أحمد صاحب | 23-24-Oncogenic viruses | 12 |
| ا.م.د. أسماء باقر | -Selected Clinical cases in Virology II | ا.م.د. اروى مجاهد | 25-26- Corona virus and other respiratory viral infections | 13 |
| أ.د.أحمد صاحب | Isolation, purification, and clinical applications of Bacteriophages | ا.م.د. اروى مجاهد | 27-28- Arboviruses: Ebola virus, Zika virus , Dengue Virus | 14 |

مسؤول المادة: أ.د. أحمد صاحب عبد الأمير رئيس الفرع: أ.د. حيدر صباح كاظم