

Antibiotics and Antibiotic resistance in bacteria, **Monday: 10-12**

	subject	Instructor	Date	
1	Mechanisms of Antibiotics that Inhibit cell wall synthesis and cell membrane function	Dr Akia	1398.2.16	
2	Mechanisms of Antibiotics that Inhibit protein synthesis	Dr Abiri	2.23	
3	Mechanisms of Antibiotics that Inhibit nucleic acid synthesis	Dr Alvandi	2.30	
4	The Origins of Antibiotic Resistance	Dr Alvandi	3.6	
5	Resistance to Beta lactams	Dr Akia	3.13	
6	Detection of Penicillinase, ESBL, phenotypic and genotypic	Dr Sohrabi	3.20	practical
7	Detection of, MBL, AmpC, and KPC phenotypic and genotypic	Dr abiri	3.27	practical
8	Detection of meticillin and vancomycin resistance phenotypic and genotypic	Dr Mohajeri	4.3	practical
9	Resistance to Aminoglycosides, Macrolides, tetracyclines, Oxazolidinone, Ketolides, clindamycin, Streptogramins	Dr Sohrabi	4.10	
10	Resistance to Quinolones, Rifampin, Metronidazole, and Antimetabolites	Dr Noemanpur	4.17	
11	Antimycobacterial agents and resistance	Dr Mohajeri	4.24	
12	Surveillance Programmes and Antibiotic Resistance: Worldwide and Regional Monitoring of Antibiotic Resistance Trends	Dr Moradi	4.31	
13	Antibiotic resistance gene in environment (water, microbiom, ...)	Dr Noemanpur	5.7	
14	Emerging of antibiotic resistance	Dr Moradi	5.14	
15	Antibacterial Peptides: 2 sessions	Dr Khodarahmi	5.28 and 6.4	

- 1- Antibiotics and Antibiotic Resistance, Ola Sköld, 2011 John Wiley & Sons, Inc.
- 2- Antibiotics in lab medicine