

Summer Institute of Advanced Epidemiology and Preventive Medicine

Selected Topics in Infectious Diseases Epidemiology – Summer Course 2012 Syllabus

Sunday – Thursday (July 29th - August 2nd), at 14:00 - 18:30
 Room 927 (9th floor, Sackler Building, Faculty of Medicine)

Course Instructors: Jonathan Zennilman (JZ), Dani Cohen (DC), Tamy Shohat (TS), Michal Bromberg (MB) and Amit Hupert (AH).

Course Assistant: Ms. Keren Hod – hodkeren@gmail.com

Time	Sun 29/7	Mon 30/7	Tue 31/7	Wed 1/8	Thu 2/8
14:00-15:30	<u>JZ and DC</u> Introduction: global burden of infectious diseases (ID), recap of basics in ID epidemiology, risk factors for emerging ID. The story of HIV (past & present).	<u>JZ</u> Microbial resistance to antibiotics and antiviral drugs - emergence, risk factors, prevention and control.	<u>AH</u> Mathematical modeling in ID: principles and applications.	<u>JZ</u> HIV and other STDs - How the epidemiology informed interventions.	<u>JZ</u> STD (exercise, cont.)
15:30-15:45	Break	Break	Break	Break	Break
15:45-17:30	<u>DC and TS</u> Surveillance (passive, sentinel, active, syndromic).	<u>DC</u> Immunization in developed and developing countries; Current challenges; Sero – surveillance.	<u>JZ</u> Sexually Transmitted Diseases (STD): Introduction and global burden.	<u>JZ</u> <ul style="list-style-type: none"> HIV and opportunistic infections - the impact of Tuberculosis. HPV (as paradigm of infection, inflammation and cancer and developing a prevention intervention). 	<u>DC</u> <ul style="list-style-type: none"> Enteric ID (from burden and risk factors to prevention and control). Enteric infections and non-infectious outcomes.
17:30-17:45	Break	Break	Break	Break	Break
17:45-18:30	<u>MB</u> Exercise (surveillance methods applied to influenza in Israel).	<u>JZ</u> Introduction to Microbiome: clinical applications - examples of wounds and vaginal infections.	<u>JZ</u> Behavioral and biomedical approaches to prevention and control.	<u>JZ</u> STD (exercise).	<u>DC, JZ and TS</u> <ul style="list-style-type: none"> Enteric ID (cont.) Conclusions.

For those who wish to receive academic credit for the course, the final exam will take place on Friday, August 3rd, at 09:00 – 11:00 am.