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**Seminar Syllabus – “Healthcare as a Component of National Resilience”**

**Seminar Coordinator - Prof. Eldad Katorza**

**Topic and objectives of the seminar:**

The seminar will deal with basic concepts and important issues in health, while emphasizing the importance of health as a component of national resilience. The seminar will begin with a review of the factors that affect the world of medicine, models of healthcare systems and a focus on the healthcare system in Israel. We will delve into issues that connect the healthcare system to national resilience - epidemics and pandemics, trauma and emergency medicine, disasters and innovation. The last session of the course will take place at the Sheba Medical Center where the various topics studied will be illustrated.

The aim of the seminar is to reveal and sharpen important issues in the field of health, and to analyze the challenges facing the health system in Israel in the past, present, and future.

**Seminar assignment:**

Submission of personal paper on one of the topics studied (explanations of the paper are available in a separate file and will be given at the opening session).

**Reading material:**

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| **The attached literature is optional reading and further enrichment for what is learned in the classroom and helps in preparation for the personal assignment.** |

Session 1+2

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| 16.11.2021 | 13:00-14:30  15:00-16:30 | **Opening Session - Introductions**   * Major change factors in the world of medicine and their implications * Models of healthcare systems | Prof. Eldad Katorza - Director of the Gertner Institute, Sheba Medical Center |
| 30.11.2021 | 13:00-14:30  15:00-16:30 | **The Healthcare System in Israel**   * The health system in Israel - structure and characteristics * National Health Insurance Law- From Vision to Reality | * Prof. Nachman Ash – Director General, Ministry of Health * Prof. Arnon Afek - Deputy Director General, Sheba Medical Center |

**The Outbreak of Covid-19 – Medical Leadership Challenge**. Eldad Katorza, Arnon Afek, Elon Glassberg, Elhanan Bar-On, Yitshak Kreiss. Disaster Emerg Med J 2020;5(2):61-63

**Health Economics**. Charles Phelps, 6th Edition. 2018. Chapters 1-3.

Session 3+4

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| 07.12.2021 | 13:00-14:30  15:00-16:30 | **Inequity in Health and Emergency Medicine**   * Inequity in Health in Israel * The effect of the trauma system in Israel on national resilience | * Prof. Jacob Dreihar - Deputy Director of Soroka Medical Center, Beer-Sheva. * Dr. Moran Bodas - Director of the National Center for Trauma and Emergency Medicine Research, Gertner Institute, Sheba Medical Center |
| 04.01.2022 | 13:00-14:30  15:00-16:30 | **Trauma and Pandemics**   * Milestones in the development of the trauma system in Israel * Epidemics - a threat to national security | * Dr. Yoram Klein - Director of the Trauma Department, Sheba Medical Center * Prof. Eyal Leshem - Director of the Institute of Geographical Medicine, Sheba Medical Center |

**Influenza Cataclysm, 1918**. David M. Morens and Jeffery K. Taubenberger. New Engl J Med 379;24 nejm.org December 13, 2018

**And the Band Played On** (film). A 1993 American television film docudrama directed by Roger Spottiswoode

**Increased survival among severe trauma patients: the impact of a national trauma system**. Peleg, K., Aharonson-Daniel, L., Stein, M., Kluger, Y., Michaelson, M., Rivkind, A., & Boyko, V. (2004). Archives of Surgery, 139(11), 1231-1236.

**Gunshot and explosion injuries: characteristics, outcomes, and implications for care of terror-related injuries in Israel**. Peleg, K., Aharonson-Daniel, L., Stein, M., Michaelson, M., Kluger, Y., Simon, D.,& Noji, E. K. (2004). Annals of surgery, 239(3), 311.

**Wisdom of (using) the crowds: Enhancing disasters preparedness through public training in Light Search and Rescue**. Peleg, K., Bodas, M., Shenhar, G., & Adini, B. (2018). International journal of disaster risk reduction, 31, 750-757.

Session 5

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| 18.01.2022 | 13:00-14:30  15:00-16:30 | **Disasters and Innovation**   * Medical response in disaster situations: challenges and solutions * Innovation as an engine of growth in healthcare | * Prof. Elhanan Bar-On - Director of the Center for Disaster Medicine, Sheba Medical Center * Prof. Eyal Zimlichman -Deputy Director General of Innovation and Development Sheba, Medical Center |

**Coping with the Challenges of Early Disaster Response: 24 Years of Field Hospital Experience After Earthquakes**. Elhanan Bar-On, Avi Abargel, Kobi Peleg & Yitshak Kreiss, Disaster Medicine and Public Health Preparedness, October 2013

**What are Humanitarian Principles? OCHA on Message**

**Militaries and global health: peace, conflict, and disaster response.** Joshua Michaud, Kellie Moss, Derek Licina, Ron Waldman ,Adam Kamradt-Scott, Maureen Bartee, Matthew Lim, Jamie Williamson, Frederick Burkle, Christina S Polyak, Nicholas Thomson, David L Heymann, Louis Lillywhite, Lancet 2019

**Emergencies, Disasters and Catastrophes Are Different Phenomena**. E. L. Quarantelli. University of Delaware. Disaster Research Center. 2000

Session 6

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| 15.02.2022 | 13:00-14:30  15:00-16:30 | **Summary Session at Sheba Medical Center**   * Making the vision a reality * Visit in the Sheba Medical Center | * Prof. Yitshak Kreiss – Director General of the Sheba Medical Center |