Introduction to Disaster Management (BDLS®)
Mini-Elective
Spring 2015

Course Dates: April 9, 16, 23, 30
Thursdays, 1:00-3:00 PM

Maximum Students: 10

Class Year: MS1

Course Director: Joe Suyama, MD
Associate Professor of Emergency Medicine

Contact Information: Joe Suyama, MD
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Description:
In 2003, the National Disaster Life Support (NDLS) training program was estab-
lished to better prepare health care professionals and emergency response per-
sonnel for mass casualty events. The overarching goal was to standardize emer-
gency response training nationwide and strengthen our nation’s public health sys-
tem. During this 4 session mini-elective, we will use the Basic Disaster Life Sup-
port (BDLS®) framework to stress a comprehensive all-hazards approach to help
you deal with catastrophic emergencies from terrorist acts as well as from explo-
sions, fires, natural disasters (such as hurricanes and floods), and infectious dis-
eases, which are much more likely to occur. In large-scale mass casualty events,
medical students and other health care workers must:
- Be knowledgeable of the need for efficient coordination among local, state,
  and federal emergency response efforts.
- Understand how to protect themselves and others from further harm.
- Be able to communicate effectively with other emergency personnel and the
  media.
- Know how to address the unique psychological impacts and related social cha-
os that may ensue.

Course Objectives:
- To understand the scope of disasters (all hazards), including natural and acci-
dental man made events; traumatic and explosive events; nuclear and radio-
logical events; biological events; and chemical events.
- Be able to describe the health care professional’s role in the public health and
incident management systems, community mental health, and special needs
of underserved and vulnerable populations.
- Be able to manage the disaster scene and victims by applying the D-I-S-A-S-T-
  E-R paradigm.
- To understand the need for a triage system (i.e. the BDLS® M.A.S.S. Triage
  model and “Id-me”) and apply for response to a mass casualty event.

Requirements:
- Actively participate in all 4 course sessions.
- Reading assignments prior to sessions 2, 3 and 4 (approximately 2 hours of
  material per session). Chapters will be assigned from the BDLS® textbook.
Course Outline
Introduction to Disaster Management (BDLS®)

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• To understand the scope of disasters (all-hazards), including natural and accidental man-made events; traumatic and explosive events; nuclear and radiological events; biological events; and chemical events.
• Be able to describe the health care professional’s role in the public health and incident management systems; community mental health; and special needs of underserved and vulnerable populations.
• To understand the need for a triage system (i.e. the BDLS® M.A.S.S. Triage model and “Id-me”) and apply it for response to a mass casualty event.

Location:
Scaife Hall Rooms TBD
Thursdays, 1:00-3:00 pm

Session One – April 9, 2015
Introduction to Disasters and Disaster Medicine
Reading: None
Objectives:
• To understand the scope of disasters (all hazards), including natural and accidental man-made events; traumatic and explosive events; nuclear and radiological events; biological events; and chemical events.
• To understand National Incident Management System (NIMS) and Incident Command Structure (ICS) for health care providers.

Session Two – April 16, 2015
Traumatic and Explosive Events; Nuclear and Radiological Events; and Mass Casualty Incidents
Reading: Chapters 1-4
Objectives:
• To understand and identify the components of the D-I-S-A-S-T-E-R paradigm for Traumatic and Explosive Events (Chapter 3) and Nuclear and Radiological Events (Chapter 4).
• To understand the M.A.S.S. Triage and “Id-me” application for Mass Casualty Incidents (MCI).

Session Three – April 23, 2015
Biological Events; Chemical Events; and Introduction to Personal Protective Equipment and Decontamination Techniques
Reading: Chapters 5-6
Objectives:
• To understand and identify the components of the D-I-S-A-S-T-E-R paradigm for Biological Events (Chapter 5) and Chemical Events (Chapter 6).
• To understand use of Personal Protective Equipment (PPE) and be familiar with Decontamination techniques in the health care setting.

Session Four – April 30, 2015
Psychosocial Aspects of Terrorism and Disasters (Critical Incident Stress Management (CISM); the Public Health System in Disasters; and Introduction to Operational Medicine
Reading: Chapters 7-8
Objectives:
• Be able to describe the health care professional’s role in the public health and incident management systems, community mental health, and special needs of underserved and vulnerable populations.
• To understand the scope of Operational Medicine.
• To understand the need for specialized training and skills for response to disasters.

Text:
• The BDLS® textbook will be provided at the first session.