

Lectures covering various Series in Emergency Medicine (SEMs)

Series	Week	Title	Topics
Disaster Medicine	009	Local, Regional, State, & Federal Response Systems	Principles of disaster response Disaster management programs Mitigation activities Local & regional disaster response State disaster programs and response Federal disaster programs and response Agencies and capabilities Response authority and scope
	017	Hazardous-Materials Management	HazMat incidents (including chemical terror) Epidemiology Preparedness Pre-event warning actions Intra-event safety Post-event response Field response, treatment, transport ED preparation, treatment, disposition Community recovery Decontamination Risks to the unexposed Tactics, techniques, procedures Field Hospital
	021	Mass-Casualty Management	Event characteristics Multiple- & mass-casualty triage ... Role of federal DMAT teams
	039	Earthquakes and Tornadoes	Earthquakes Epidemiology Preparedness Pre-event warning actions Intra-event safety Post-event response Field response, treatment, transport ED preparation, treatment, disposition Community recovery Tornadoes Epidemiology Preparedness Pre-event warning actions Intra-event safety Post-event response Field response, treatment, transport ED preparation, treatment, disposition Community recovery
	044	Biological Syndromes [part 1]	Scope of the problem Epidemiological detection patterns Constitutional syndromes Prodromes Nonspecific diseases Dermatological syndromes Lymphadenitis and buboes Rash Ulcerations Neurological syndromes Meningoencephalitis Aseptic Septic Peripheral neuropathies

	045	Biological Syndromes [part 2]	Respiratory syndromes Inhalation Germinating spores Preformed toxin Pneumonia Gastrointestinal syndromes Enteroinvasive bacteria Enterotoxigenic bacteria Spore-forming bacteria Hematological syndromes Anemia Hemorrhage Infection
	057	NIMS, HICS, and Communications	
	067	Surge Capacity	
	077	Blast Injuries	Mechanisms of injury Primary blast injury Other injuries Event characteristics Epidemiology Preparedness Pre-event warning actions Intra-event safety Post-event response Field response, treatment, transport ED preparation, treatment, disposition Community recovery
	085	Mass-Burn Management	Event characteristics Unique aspects of triage ...
	092	Radiological Syndromes [part 1]	Scope of the problem Individual exposure Epidemiology Detection and quantification Personal protective measures Radiological dispersion Epidemiology Preparedness Pre-event warning actions Intra-event safety Post-event response Field response, treatment, transport ED preparation, treatment, disposition Community recovery Unique aspects of nuclear detonation
	093	Radiological Syndromes [part 2]	Acute radiation syndrome (ARS) Hematological subsyndrome Gastrointestinal subsyndrome Cardiovascular & neurological subsyndrome Unique aspects of triage Medical management ARS subsyndromes Complications

	109	Mass-Fatality Management	Event characteristics Difference between expectant and dead ... Role of federal DMORT teams
	117	Floods and Hurricanes	<p>Floods</p> <ul style="list-style-type: none"> Epidemiology Preparedness Pre-event warning actions Intra-event safety Post-event response <ul style="list-style-type: none"> Field response, treatment, transport ED preparation, treatment, disposition Community recovery <p>Hurricanes</p> <ul style="list-style-type: none"> Epidemiology Preparedness Pre-event warning actions Intra-event safety Post-event response <ul style="list-style-type: none"> Field response, treatment, transport ED preparation, treatment, disposition Community recovery
	125	Structural Collapse and Air Crashes	<p>Structural collapse</p> <ul style="list-style-type: none"> Types of events Epidemiology of injuries Preparedness Pre-event warning actions Intra-event safety Post-event response <ul style="list-style-type: none"> Field response, treatment, transport Capabilities of urban search & rescue ED preparation, treatment, disposition Community recovery <p>Air crashes</p> <ul style="list-style-type: none"> Types of events Epidemiology of injuries Preparedness Pre-event warning actions Intra-event safety Post-event response <ul style="list-style-type: none"> Field response, treatment, transport ED preparation, treatment, disposition Roles of the FAA and NTSB Community recovery

	140	Chemical Injuries [part 1]	Scope of the problem Epidemiological detection patterns Neurological manifestations ACh-esterase blocking agents Botulinum toxin Nicotinic agents Opioid agents Hypoxemic & metabolic manifestations Carbon monoxide Cyanide
	141	Chemical Injuries [part 2]	Dermatological manifestations Blistering Rapid Delayed Rash Gastrointestinal manifestations Hematochezia and perforation Vomiting and diarrhea Respiratory manifestations Inhalational injury Noncardiogenic pulmonary edema Mucous-membrane irritants