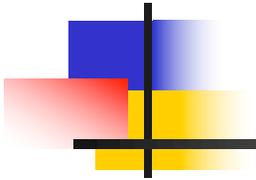


Low Tech Simulation and Simulation in “Austere Environment”

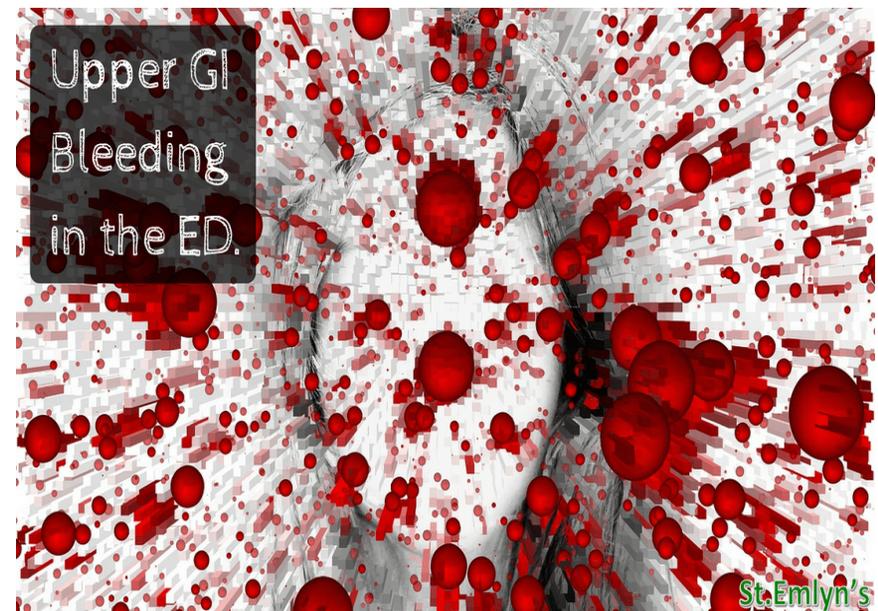
Jon Jui MD, MPH

Innovative “Low Tech” Simulation of Challenging Clinical Presentation



Jon Jui MD, MPH

Management of Airway during Massive GI bleed or Profuse Vomiting



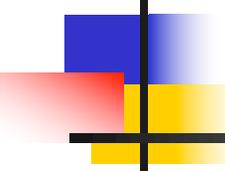
Simulation of Vomiting Aspiration Patient

McGrath



DuCanto Catheter





Low Tech Vomiting Mannikin Simulator

Captain Jay Cross
Gresham Fire and Emergency Services

Mannikin with Vomiting Simulator



Mannikin with Vomiting Simulator



Drill Pump



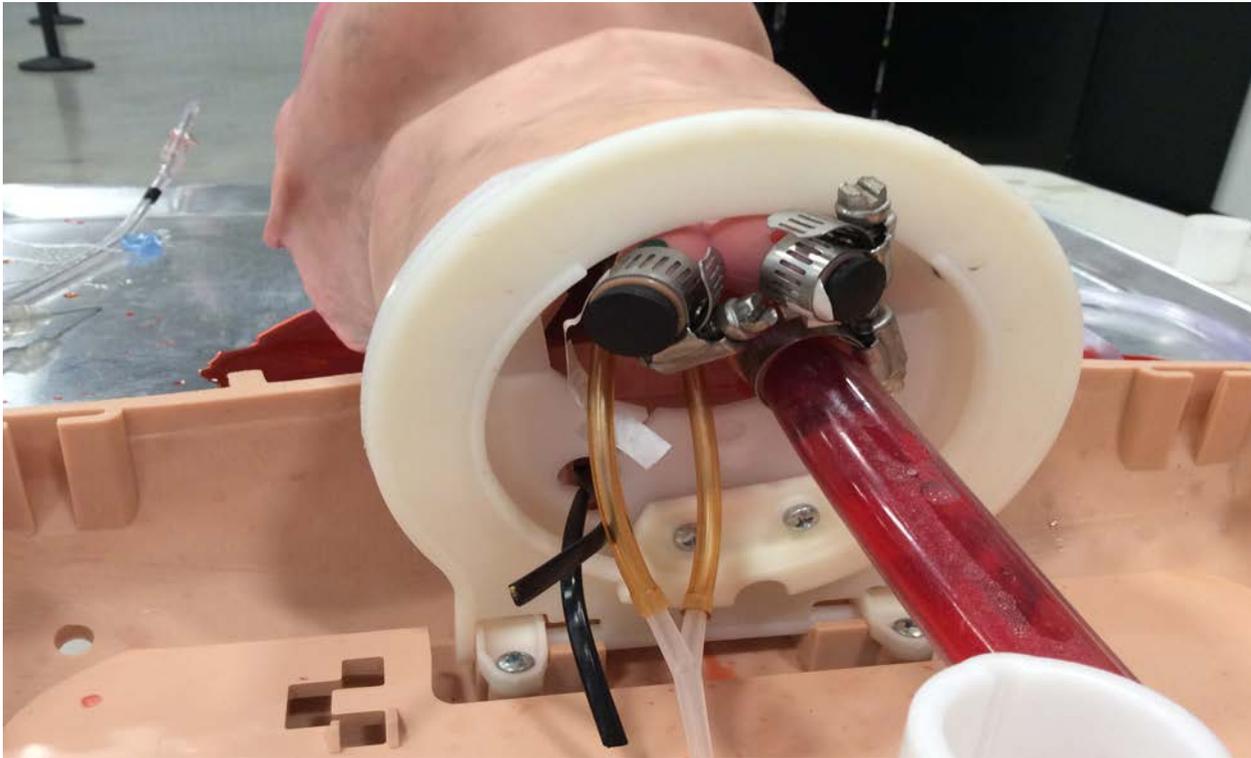
Food Coloring



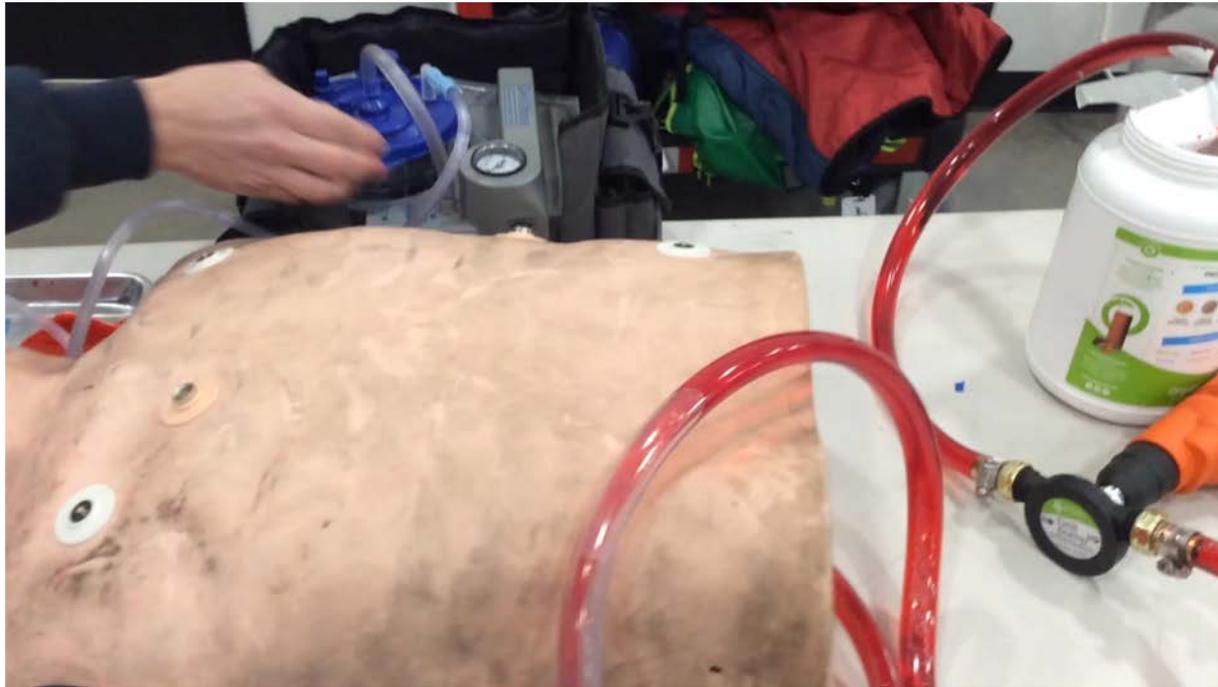
Xanthan Gum



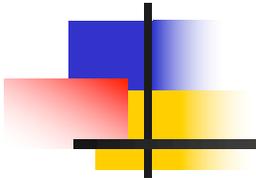
Inside the Vomiting Mannikin Simulator



Video Vomiting Mannikin



High Fidelity Simulation in Disaster Environment



Oregon Disaster Medical Team Operation Pathfinder



- The event is a joint multi-agency, multi-state disaster preparedness exercise based on response to a possible Cascadia Subduction Zone event.
- Officials believe the Northwest is overdue for a magnitude 7.0 or greater earthquake.

Operation Pathfinder-Minuteman

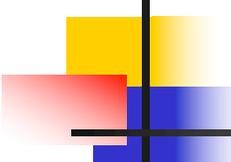


Rescue and Casualty Evacuation



Military Command and Control



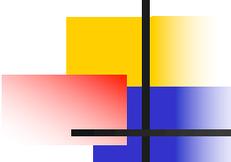


Echelon I

Echelons of Care	Military Hierarchy	Personnel/Facility	Type of Care	Navy/Marine Corps Hierarchy	Army Hierarchy	Rough Civilian Equivalents
I	Unit	Self/Buddy Aid	First aid	Self/Buddy Aid	Self/Buddy Aid	Community first aid
		Combat Lifesaver	First aid, beginning of emergency treatment	Combat Lifesaver (CLS)	Combat Lifesaver	First responders (police, fire)
		Combat medic	Emergency medical treatment	Hospital Corpsman (HM)	Combat Medic (68W)	EMT-basic
		Battalion aid station	Advanced trauma and medical management	Battalion Aid Station (BAS); Ship's complement medical staff	Treatment squad, BAS, SOF medic (18D)	Paramedic

Echelon II

Echelons of Care	Military Hierarchy	Personnel/Facility	Type of Care	Navy/Marine Corps Hierarchy	Army Hierarchy	Rough Civilian Equivalents
II	Division	Medical company (clearing station)	Initial resuscitation	Medical Battalion; Casualty Receiving & Treatment Ships (CRTS); Shock Trauma Platoon (STP); Ship's complement medical staff	Medical battalions/companies, Casualty Evacuation (CASEVAC/Dustoff)	Level IV trauma center
		Field surgical support group	Initial resuscitation	Forward Resuscitative Surgery System (FRSS)	Forward Surgical Team (FST), Special Operations Resuscitation Team (SORT), Joint Medical Augmentation Unit (JMAU); future - Forward Resuscitation and Surgical Team (FRST)	Level III trauma center



Echelon III

Echelons of Care	Military Hierarchy	Personnel/Facility	Type of Care	Navy/Marine Corps Hierarchy	Army Hierarchy	Rough Civilian Equivalents
III	Corps	Combat support hospital, fleet hospitals	Resuscitative surgery and medical care	Fleet hospital; Hospital ships	Field hospital levels - Combat Support Hospital (CSH); Historical - Evacuation Hospital (EVAC) and Mobile Army Surgical Hospital (MASH)	Level II trauma center

Echelon I and II Care



DoD CCAT Teams

Critical Care Transport Teams

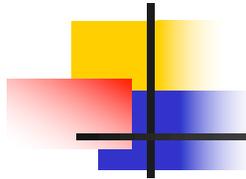


DoD CCAT



CCAT Transport





CCAT



Operation Minuteman 2015

Kaiser SIM Team



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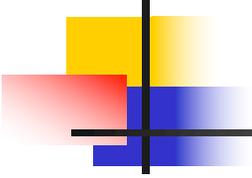
Operation Minuteman 2015

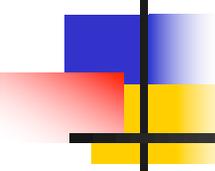
Kaiser SIM Team



SIM Man in "Unusual Settings"







The End
