

**INITIAL TRAUMA CARE IN  
GLOBAL HEALTH  
SETTINGS**

Steps to take when things are falling apart

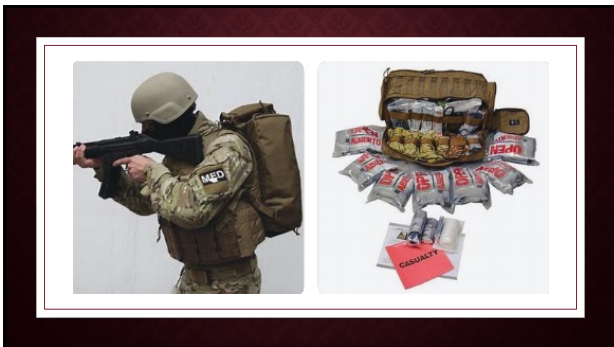
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**NO CONFLICTS OF INTEREST**

Objectives: The attendees will learn

- First steps in mass casualty;
- How to set priorities in mass casualty;
- Maximize resources

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**INTRODUCTION**

Mass casualties can be:

- Trauma related
- Violence related
- Environment related

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**TRAUMA RELATED**

- Multiple motor vehicle accidents
- Airline crash
- Work related (building collapse)
- Other

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**VIOLENCE RELATED**

- Mass shooting
- War/conflict shooting
- Gang violence
- Other

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**ENVIRONMENT RELATED**

- Flood
- Forest fire
- Hurricane
- Earthquake
- Other

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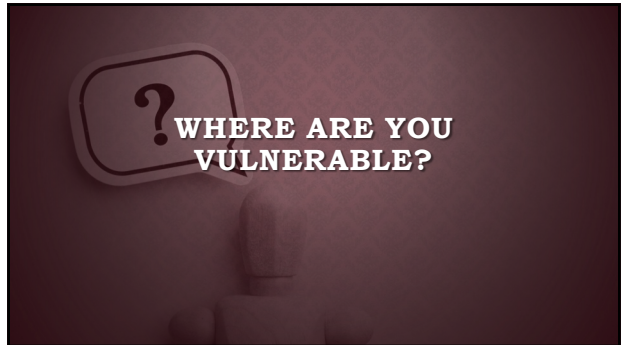
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**MASS CASUALTY INCIDENT RESPONSE  
TOOLKIT. GREATER NEW YORK HOSPITAL  
ASSOCIATION.**

**Trauma Care Principles**  
Dennis James; Andre M. Pennardt

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**FIRST STEPS: PREPARE**

Consider most likely scenarios  
Form a trauma committee

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**SET PRIORITIES**

Create a plan/checklist  
Create a contact list  
Create an inventory of supplies/equipment  
Consider education  
Create drills/practice

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**MAXIMIZE RESOURCES**

Identify gaps in supplies/equipment  
Promote education  
Learn from drills/practice  
Build your team

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**PRACTICE TIME**

You work in a developing country  
First steps in mass casualty;  
Set priorities in mass casualty;  
Maximize resources

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**THE REAL THING**

Bus full of refugees  
Gunmen came out of hiding  
Bus didn't stop  
25 made it. 2 died.

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**WHAT ARE YOUR RESOURCES?**

What do you do first?

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**MOBILIZE YOUR RESOURCES**

Hospitals  
Personnel  
Ultrasound  
Xray  
Blood bank  
Lab  
ER

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**SET PRIORITIES**

Who can I save?  
Who do I call?  
Where do I put casualties?

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**INITIAL ASSESSMENTS**

ABCDE1  
ABCDE2  
ATLS  
Pocket tools

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**ABCDE**

Airway  
Breathing  
Circulation  
Disability  
Environment/exposure

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**CIRCULATION/LEVELS OF SHOCK**

1 1-15% loss: normal vitals  
2 16-30% loss: abnormal pulse/bp/urine  
3 31-40% loss: tachypnea/urine/MS change  
4 41%+ loss: thready/MS deterioration/urine

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**GLASGOW COMA SCALE**

Eyes 1-4

Speech 1-5

Response to pain 1-6

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**SECONDARY SURVEY: SAMPLE**

S: signs/symptoms

A: allergies

M: medications

P: past history

L: last meal/fluids

E: events, details

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**THINK ABOUT FGLMNOP**

Full set of vitals

Get resuscitation adjuncts, including

Lab notification

Monitor heart

Naso/orogastric tube

Oxygen/ventilation

Pain assessment/control

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**SCENARIO UPDATE**

2 dead, 25 wounded

Gunshot to abdomen in pain

Paralyzed waist down from a bomb

Facial trauma bleeding from eye

Child with chest gunshot

Femur and humerus gunshot

Gunshot to breast

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**CHALLENGES**

Blood bank  
Tribalism  
leadership

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**CHALLENGES COMPLICATED**

Tribalism- "don't send them to us"  
Leadership- no help is coming  
Blood bank- no response from med  
director

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**INITIAL CARE PLAN FOR EACH**

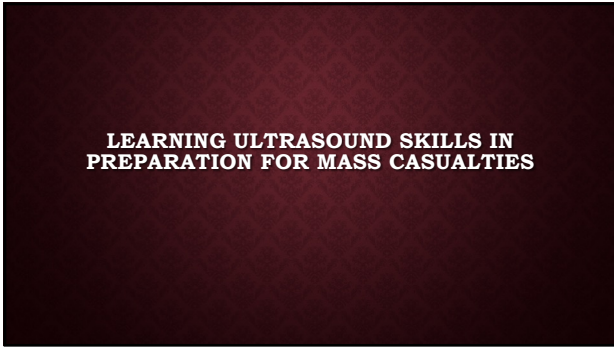
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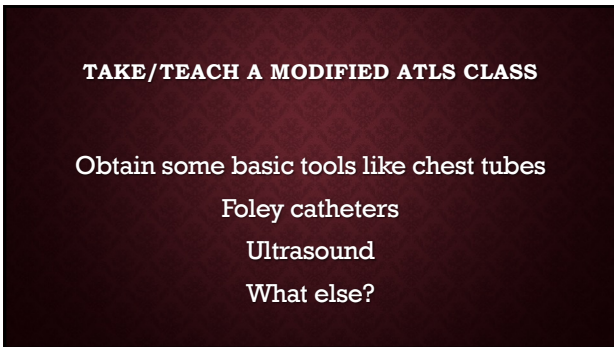




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**FINAL THOUGHTS**

- Assess your community's vulnerability
- Assess your resources
- Develop your assets
- Form a trauma team
- Practice scenarios
- Prepare for disaster/Work for peace

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