S.Sgt. Derrick Sims RAMC(V)

- Paramedic Officer for East of England Ambulance Trust
- Hazardous Area ResponseTeam Leader/ Trainer

- Combat Medical Technician Operation Telic Iraq 2003.
- Patrol Medic Operation
 Herrick 15 Afghanistan 2012











Ground Rules

- Fire Alarms
- Toilets
- Food and Drink
- Respect for Others
- Interruptions
- Question Policy
- Body contact





Welcome

Control of Severe Haemorrhage using a Tourniquet

Derrick Sims EEAST HART

Aims

 The Aim of this session is to demonstrate the effective control of massive bleeding and how to apply a Tourniquet to stop it.

Learning Outcomes

- Identify the Need for the Effective control of Catastrophic Bleeding
- Recognise when a Tourniquet is required
- Demonstrate how to apply a Tourniquet
- State the Triage category for the patient with a Tourniquet applied
- Assessment will be by practical test and formative assessment during the session.

WARNING

 The following images are Graphic in Nature and contain images of injured people

Viewer Discretion is advised

 Please look away or leave the room if you wish to do so.

Boston Marathon April 2013

- The Boston Marathon was an Islamic domestic terrorist attack which was caused when 2 homemade pressure cooker bombs detonated close to the finish line, 14 seconds and 190m apart.
- 3 people died, 17 people lost limbs and 264 others were injured.
- 27 improvised tourniquets were applied

massive haemorrhage



Limb loss and haemorrhage?



Catastrophic Bleeding Control



HEMORRHAGE CONTROL







Combat Application Tourniquet® (CAT®)

Awarded One of the "Top 10 Greatest Inventions" by the U.S. Army

A true one-handed tourniquet, the CAI® completely occludes blood flow of an extremity in the event of a traumatic wound with significant hemorrhage. The CAI® uses a windrass system with free-moving internal band to provide true circumferential pressure to the extremity. Once tightened, the windlass is looked in place when bleeding has ceased. A Velcro® strap is then applied to secure windlass during casualty evacuation.

Step 1:

Insert the wounded extremity through the loop band and tighten

Step 2:

Twist the Windlass Rod™ until the bleeding stops

Step 3:

Secure the rod and band with the Windlass Strap***





 Quickly Controls Life-Threatening Extremity Bleeding, the Leading Cause of Preventable Combat Death

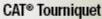
Small and Lightweight

Cost Effective

• Trainer Version (Blue) also Available



Available in:



ITEM#	DESCRIPTION	NSN#
30-0001	CAT® Tourniquet Black	6515-01-521-7976
30-0023	CAT® Tourniquet -Orange	PENDING
30-0033	CAT® Tourniquet Trainer-Blue	PENDING



Dr David King Video clip

"How to apply a tourniquet"

MassGeneralHospital

Practical Session 10-15mins

- Separate into pairs
- Using the equipment provided apply a tourniquet to the other persons upper leg
- Ask questions as required
- NB. DO NOT OVERTIGHTEN THE TOURNIQUET as it will cause pain and discomfort.

Thank you



Any Questions ?

 No, Well that just about wraps it up then