

S.Sgt. Derrick Sims RAMC(V)

- Paramedic Officer for East of England Ambulance Trust
- Combat Medical Technician Operation Telic Iraq 2003.
- Hazardous Area Response Team Leader/ Trainer
- 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 CAT® completely occludes blood flow of an extremity in the event of a traumatic wound with significant hemorrhage. The CAT® uses a windlass system with free-moving internal band to provide true circumferential pressure to the extremity. Once tightened, the windlass is locked 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™



CAT® Tourniquet

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

Special Features:

- 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:



Black



Orange



Blue
(Trainer)

***Official Tourniquet
of the U.S. ARMY.***



Dr David King Video clip

Utube

“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