

# Clinical Trauma Management & ATLS Routines in Uppsala, Sweden

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## Trauma Centre Uppsala Academic Hospital

### ***Surgical Trauma Patients 2004***

* AVA	n=301
* Surgical Ward	n=144
* Intensive Care Unit	n=141

# Trauma Centre

## Uppsala Academic Hospital

- ◇ No A&E Physicians
- ◇ Trauma Team
- ◇ ATLS



# Trauma Centre

## Uppsala Academic Hospital

### *Trauma Team*

- **General Surgeon\*\***
- *Anaesthesiologist + Nurse*
- *On Call Trauma Consultant*
- *Radiologist + Nurse*
- *Neuro Surgeon*
- *Thoracic Surgeon*
  
- *A&E Staff*

## ATLS® Concept

- **Treat the greatest threat to life first**
- **ABCDE - approach to trauma care**
- **Definitive diagnosis not immediately important**
- **Resuscitate and stabilise by priority**
- **Do no further harm**

**One Safe Way**

# ATLS® Concept

**A** - Airway (*with c-spine protection*)

**B** - Breathing (*pleural drainage*)

**C** - Circulation (*stop the bleeding*)

**D** - Disability (*neuro status, fractures*)

**E** - Exposure (*teperature, pain*)



# ATLS® Concept

## ABC - 10 seconds

- ◆ Identify yourself
- ◆ Ask the patient his name
- ◆ Ask the patient what happened

A - Patent Airway

B - Enough air to speak

CD - Clear sensorium

# ATLS® Concept

Initial assessment

↓  
Resuscitate

↓  
Re-evaluate

↙  
Stabilised

↘  
Not Stabilised

↓  
CT-Trauma

↓  
Operation

# ATLS® Concept

## Initial assessment:

Radiologist on Call - Organise Own Work

Pulm - Frontal

Pelvis - Frontal

**FAST** - (Focused Assessment with Sonography for Trauma)

**DPL** - (Diagnostic Peritoneal Lavage)

CT-Trauma

# ATLS® Concept

## Initial assessment - B

Poor saturation - decreased breath sounds

- Tube thoracostomy

X-ray part of re-evaluation

CT-trauma or Chest x-ray

# ATLS® Concept

## Initial assessment - C

Bleeding - good saturation and breath sounds

- Chest x-ray?

Widened Mediastinum

- Pelvic x-ray?

Fixation of all hemodynamic unstable patients

CT-trauma

# ATLS® Concept

## Initial assessment - C

Bleeding -

FAST - (Focused Assessment with Sonography for Trauma)

DPL - (Diagnostic Peritoneal Lavage)



CT-Trauma

Operation