APPROACH TO THE INJURED HOCKEY PLAYER

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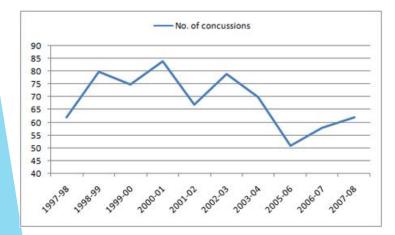
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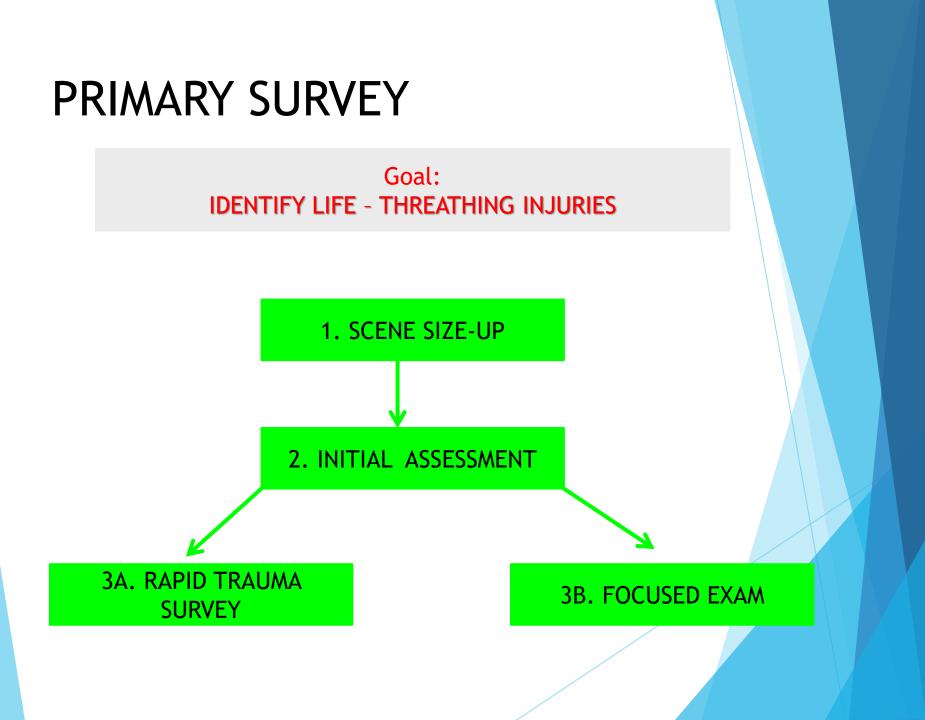
Primary healthy service Celje

INTRODUCTION

- Hockey injuries
 - Lower body injury 20%
 - Upper body injury 15%
 - Concussions 12%



- Primary survey
 - Head injuries
 - Thoracic injuries
 - Abdominal injuries
 - Lower/upper extremity injuries
 - Spine injury



ARRIVAL TO THE SCENE

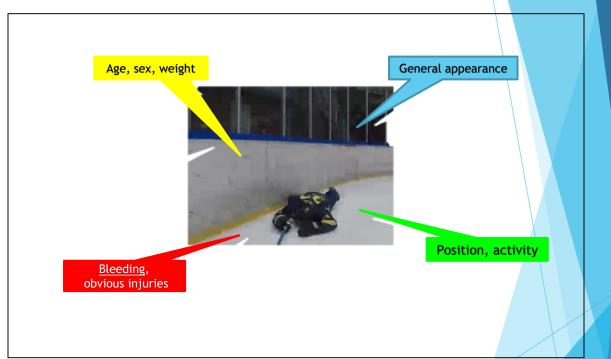
SCENE SIZE - UP

- Standard precautions
- Hazards
- N of pts
- Need of additional help
- Mechanism of injury

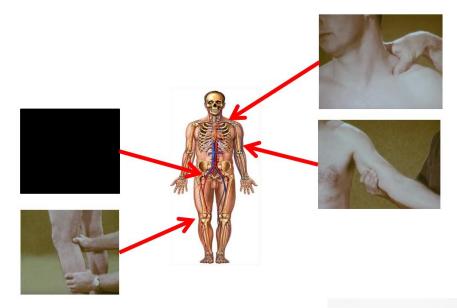




- General impression
- Stop bleeding!
- LOC
- Control of CS
- ABC



FIRST STEP: <u>STOP THE</u> <u>BLEEDING</u>







HELMET REMOVAL



...OR NOT



Figure 2. Recommended method of immobilization of an ice hockey player with a potential cervical spine injury. The helmet is left in place, lateral foam pads secure the helmet in position, and straps secure the athlete to the backboard.

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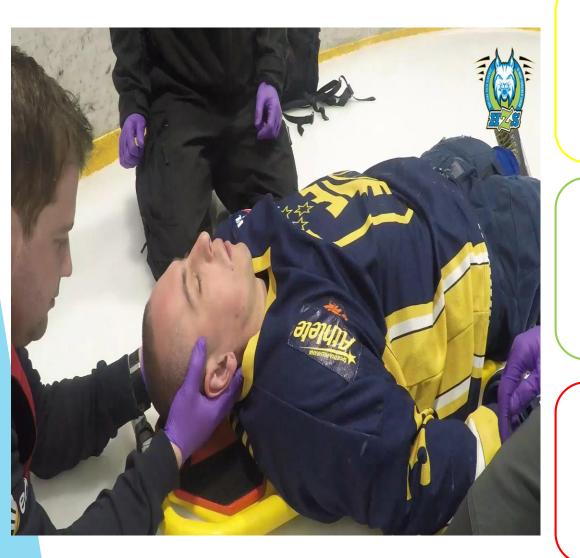
Cervical Spine Alignment in the Immobilized Ice Hockey Player

A Computed Tomographic Analysis of the Effects of Helmet Removal*

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MANUAL STABILIZATION OF CERVICAL SPINE \rightarrow LOC



Remove the mouth guard Positioning Suction Advanced airway

A

High flow oxygen Assisted ventilaton Control ventilation

Bleeding control Iv access / fluids Blood glucose

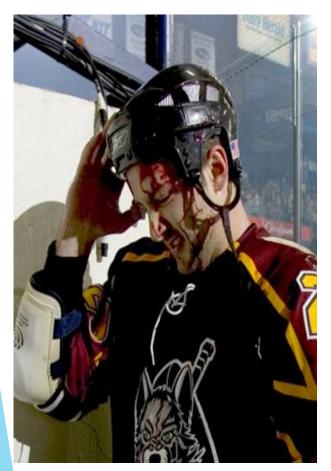
RAPID TRAUMA SURVEY

Inspect Head and Neck

Major Facial Injuries, Bruising, Swelling, Penetrations, Subcutaneous Emphysema Neck Vein Distention? Tracheal Deviation?



Without Visor



With Visor



Inspect Chest

Asymmetry, Contusion, Penetrations, Paradoxical Motion, Instability, Crepitation

Breath Sounds

Present? Equal? (If unequal: Percussion)

Heart Tones



AIRWAY OBSTRUCTION FLAIL CHEST OPEN PNEUMOTHORAX HEMATOTHORAX - MASSIVE TENSION PNEUMOTHORAX CARDIAC TAMPONADE

Abdomen

Bruising, Penetration/Evisceration,

Tenderness, Rigidity, Distention

Pelvis

Tenderness, Instability, Crepitation



Lower/Upper Extremities

Swelling, Deformity, Instability, Motor,

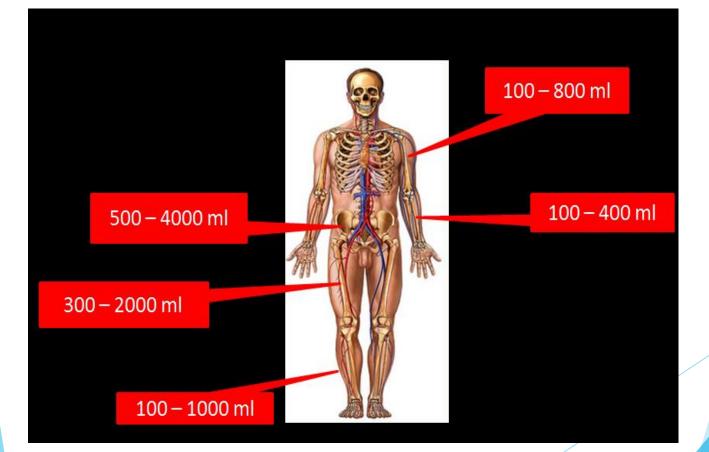
Sensory Place Patient on Backboard

Posterior

Penetrations, Deformity, Presacral Edema



BONE FRACTURES: LOSS OF BLOOD



BASIC NEUROLOGICAL EXAM

- PUPILS: size, reactive, equal
- GCS: eye, voice, motor
- Blood glucose

BRIEF TARGET HISTORY

WHEN?

- S Symptoms
- A Allergies
- M Medications
- P Past medical history
- L Last oral intake
- E Events preceding incident

FULL BODY SPLINTING



LOAD AND GO SITUATION

Initial Assessment

- Altered mental status
- Abnormal respiration
- Abnormal circulation

Shock potential

- Abnormal chest exam
- Tender, distended abdomen
- Pelvic instability
- Bilateral femur fractures

CONCLUSSION

- High proportion of injuries in hockey appear to result from intentional body contact
- The helmet should fit snugly
- Coaches, athletes, and parents must be aware of the possible injuries and follow the rules in place to prevent them
- Have fun. Play hard. Play smart. Play FAIR.