

Disability – Case 2

Instructor Information

This skill station involves a motorcyclist in single-vehicle motor vehicle collision (MVC). The patient requires airway/breathing management, spinal motion restriction, and rapid transport. Follow the written scenario, and provide information to all team members as the scenario progresses or as the team members ask.

Patient Information

Moulage: Pale, abrasions on left leg, thigh, buttock, and arm with minor bleeding
Position: Supine with helmet still on
Actions: Unresponsive, snoring respirations

Dispatch Information

You and your partner arrive at a single-vehicle MVC on the highway. It is 1400 hr on a cold, dry fall day. The outside temperature is 40°F (4.4°C). From the scene you are 14 minutes away from a level I trauma center.

Scene Assessment/General Impression

The patient is supine in the middle of the road. Police have traffic controlled. A bystander who is an off-duty EMT is holding the patient's head still. He tells you he saw the rider lose control and lay his bike down. Both the rider and the motorcycle slid into the guardrail and then bounced back into the road. The patient was initially moaning and moving his left arm but has since become unresponsive and flaccid.

Primary Survey

21-year-old male, approximately 150 lb (68 kg)

- X:** No major external hemorrhage
A: Partially obstructed by tongue
B: 8, irregular pattern and depth
C: 54, strong radial pulses; skin is pale
D: 4 (E-1, V-1, M-2), pupils unequal, right pupil dilated and unresponsive, extension response to pain at all extremities
E: Unremarkable

Treatments/Critical Actions

***Note:** ★ icon indicates a Critical Action

- Spinal motion restriction ★
- Manage airway ★
- Provide ventilations with high-flow oxygen ★
- Maintain body temperature ★
- Rapid transport ★

Initial Patient Impression: Critical

Secondary Survey

Initial Vital Signs	
BP:	178/110
P:	54, strong radials
R:	8, irregular depth and rate
Skin:	Pale
Spo ₂ :	90%/RA
GCS:	4 (E-1, V-1, M-2)
Glucose:	108 mg/dl (5.9 mmol/l)
ETCO ₂ :	48 mm Hg
Pain:	Unable to assess
Temp:	101°F (38.4°C)

Reassessment Vital Signs

Critical actions done		Critical actions NOT done	
BP:	182/114	BP:	188/116
P:	54, strong radials	P:	50, strong radials
R:	16, assisted; LS equal and clear	R:	4, irregular depth and rate; LS equal and clear
Skin:	Pale	Skin:	Pale
Spo ₂ :	99%/RA	Spo ₂ :	84%/RA
GCS:	4 (E-1, V-1, M-2)	GCS:	3 (E-1, V-1, M-1)
Glucose:	108 mg/dl (5.9 mmol/l)	Glucose:	108 mg/dl (5.9 mmol/l)
ETCO ₂ :	36 mm Hg	ETCO ₂ :	52 mm Hg
Pain:	Unable to assess	Pain:	Unable to assess
Temp:	101°F (38.4°C)	Temp:	101°F (38.4°C)

Sample

Signs/symptoms:	Unresponsive
Allergies:	Unknown
Medications:	Unknown
Past medical history:	Unknown
Last oral intake:	Unknown
Event leading to incident:	Hit oil on the road, lost control

Body Systems

Head:	Right pupil larger than left pupil, nonreactive to light
Neck:	Unremarkable
Chest:	Symmetrical
Abdomen:	Soft and nontender
Pelvis:	Stable
Extremities:	Unremarkable
Back:	Unremarkable except for abrasions

Transport and Destination

Transport Timing: Critical
Destination: Level I trauma center

Discussion Points

- Did you have a critical patient?
- On what did you base your decision?
- What are indications for removing a helmet?
- What are the indications for ventilating a suspected TBI patient?

Notes
