SAF::TY

simulation for medical practice

Thermal Injury

Ludwig-Maximilians-University (LMU)

BODY INTERACT™
VIRTUAL PATIENTS

AUTHORS

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Summary

Scenario Description

Learning Target

Medical:
- Management of the burn patient

CRM:
- Leadership
- Decision Making
- Communication
- SA

Description

Where:
Emergency department

Frame conditions:
Day shift in the ED, all resources available

Participants

Students

Who:
1-2 doctors
1-2 nurses

Notes: Actor can be accompanying person (girlfriend). Could also have burns on the hands (SA!)

Scenario Briefing

Briefing (everyone)	Additional Briefing (individual Positions)	Case Briefing (Roleplayers)
50-year-old male, tried to light a barbecue with petrol, burned his arms, chest, and face. Girlfriend came with him, is available for inquiry.	none	If actor – be helpful, yet a bit nervous. On inquiry show your palms with burns

Notes:

Script SIM Nurse/Co-Instructor

List of Material	Set-Up Room	Set-Up Simulator
• normal ED cart • make sure io is available • adult patient simulator AND (optional)SP	• ED stretcher with sim	Undressed, burn marks on chest, arms jaw, no IV

Notes:

Scenario Saver

How to react if the medical problem is not identified	How to react if the medical problem is identified too quickly	Other comments, material needed for savers (e.g. white coat)
Problem is obvious. If difficulty in taking decisions, help from senior This help could contain: • idea for io • support for analgesia	Respiratory distress Patient can be agitated, language barrier	

Notes:

Scenario End Criteria

Scenario ends when…		
io access is established - analgesia - transfer to ICU - ideally identification of second victim		

Notes: Scenario should end even if second victim is not identified, address this in debriefing.
General note – end the scenario saying:
"The patient is now going to be taken care of, thank you for solving the case"

Simulator Set-Up, Steering

	Phase 1 Start	Phase 2	Phase 3 Analgesia established	
Vitals	HR: 140 /min. BP: 130/ 85 mmHg SpO2: 90%, RR: 28 /min GCS: 15	HR: 150 /min. BP: 180/95, SpO2: if given oxygen raising to 94% RR: 28 /min GCS: 15	HR: 110 /min. BP: 140/80 SpO2: 95% RR: 28 /min GCS: 15	
Text for patient	Pain			
Other info	Girlfriend is helpful, also has some pain, but ignoring it			
Management during scenario	Pain should be bearable although hardly. Keep stress level manageable			

Notes:

Abstract

Learning Target:	Management of thermal injury
Description:	Burn patient, household accident
Participants:	Students. Roles: 1-2 doctors, 1-2 nurses
Case Briefing:	50-year-old male, tried to light a barbecue with petrol, burned his arms, chest, and face.
List of Material:	Normal ED cart - adult patient simulator AND (optional) - SP
Set-Up Room	ED strectcher with Sim, make sure io is available
Set-Up Simulator:	- undressed, burn marks on chest, arms, jaw - no iv
Scenario Saver:	Senior colleague
Scenario End Criteria:	Analgesia, vascular access, follow-up plan
Management during Scenario:	Pain should be bearable although hardly. Keep stress level manageable
Other:	