

COMMON STRUCTURE FOR HIGH FIDELITY SIMULATION SCENARIO

SCENARIO TITLE

Error in drug administration

SCENARIO OVERVIEW

DUMMY TYPE: SIM MAN 3G

HEALTHCARE SERVICE: internal medicine

TARGET GROUP¹:

ESTIMATED SCENARIO DURATION: 10 minutes

SCENARIO SUMMARY²: A patient is hospitalized in internal medicine to investigate a general deterioration of the condition with persistent diarrhea since a stay in Asia. Biological assessment shows severe hypokalemia (2 mmol), a treatment is prescribed urgently.

EDUCATIONAL OBJECTIVES

GENERAL OBJECTIVES: Know how to manage a medication error

SCENARIO-SPECIFIC OBJECTIVES: to be determined

PARTICIPANTS' ROLE

STUDENT: 1	Nurse student 3rd year	Nurse student 3rd year	
PROFESSIONAL: 1	Nurse (internal medicine)		
TRAINERS ³	Instructor	Former for the debriefing	

¹ Skill level and number of participants

² Scenario key words

³ Control of dummy setting / Debriefing/ Dummy voice/ Facilitator/ Disruptive element/ external stakeholder (phone speaker)

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EQUIPMENT LIST⁴

Medical supplies:

- Circulation⁵: non-scoped patient
- Ventilation⁶: spontaneous ventilation patient
- Miscellaneous⁷:

Medicines and solutes: perfused patient with a Ringer Lactate and a 100ml bag containing 4gr of KCL

Documents⁸: medical care folder

Accessories⁹: male

Environment¹⁰: intern medicine room

SCENARIO PREPARATION

SIMULATION TYPE: High-fidelity simulation

DUMMY TYPE: High-fidelity dummy

SIMULATOR PREPARATION:

- Setting: corresponding to initial state (cf. table)
- Positioning¹¹
- Accessories¹²:

ENVIRONMENT PREPARATION¹³:

A bed, a treatment trolley, a scope (TA SpO2 pulse), an emergency trolley

PREPARATION OF ADDITIONAL EXAMINATIONS¹⁴: Biology report, ECG

⁴ Prefer Check-list for quick check-up

⁵ Catheters, infusion lines, needles (IV, intraosseous, subcutaneous), blood collection tubes, **tourniquet...**

⁶ Nasal cannulas, non-rebreather masks, intubation supplies...

⁷ **Capillary glycaemia, urinary catheter, thermometer, stethoscope, gloves, hand sanitizer...**

⁸ Patient medical file, transmission sheet, ECG, recommendation summary sheet

⁹ Pen, phone, **diagnostic penlight for pupils, work outfits (white coats...)**

¹⁰ **Wig, basin, tissues with blood, patient's suitcase...**

¹¹ Half sit-up, lying down

¹² **Presence of oxygen, of a drip tube, already scoped...**

¹³ Raised bed rails, presence of patients belongings, tissues, needed information received

(Displayed thermometer, glycaemia...)

¹⁴ **If foreseen in the scenario, prepare additional examinations to display (chest radiograph, blood test...)**

PREPARATION OF STUDENTS/LEARNERS¹⁵: Work clothes

BRIEFING

TIME:

SITUATION¹⁶:

DOCUMENTS¹⁷:

PATIENT DATA¹⁸

Surname:

Age:

Name:

Weight:

Date of birth:

Height:

Allergies:

Gender:

History:

Medical history:

Surgeries:

Ob/gyn:

Personal treatment:

FRAMES OF REFERENCE / EXPERTS RECOMMENDATIONS¹⁹

DEBRIEFING IDEAS

¹⁵ Preliminary analysis of documents if needed

¹⁶ Location where the scenario takes place, information before entering the simulation room

¹⁷ Document handed during the briefing/ care record, biological results, written transmissions ...

¹⁸ Care record layout or if not necessary to the scenario, voice memo for the trainer

¹⁹ Quoted sources, bibliography

SCENARIO PROGRESS

Monitor setting	Patient dummy	Students' interventions (what we would like to see...)	Messages
Beginning time of scenario:			
Initial state: AP: HR: RR: SpO ₂ : ECG curve ²⁰ : Clinical signs: - eyes ²¹ - pupils ²² - pulmonary auscultation	Symptoms, voice		
State 2: AP: HR: RR: SpO ₂ : ECG curve: Clinical signs: - eyes ²³ - pupils ²⁴ - pulmonary auscultation			
State 3: AP: HR: RR: SpO ₂ : ECG curve: Clinical signs: - eyes ²⁵			

²⁰ Sinus, Fibrillation...

²¹ Open, half-closed, closed

²² Miosis, mydriasis, anisocoria, normal-reactive

²³ Open, half-closed, closed

²⁴ Miosis, mydriasis, anisocoria, normal-reactive

²⁵ Open, half-closed, closed

- pupils ²⁶ - pulmonary auscultation			
End time of scenario:			

SCENARIO EVALUATION

POSITIVE ASPECTS:

TO IMPROVE:

REALISM:

USED PROTOCOLS:

PROTOCOLS TO IMPLEMENT:

²⁶ Miosis, mydriasis, anisocoria, normal-reactive