

COMMON STRUCTURE FOR HIGH FIDELITY SIMULATION SCENARIO

SCENARIO TITLE

Anaphylaxis grade 3

SCENARIO OVERVIEW

DUMMY TYPE:

HEALTHCARE SERVICE: Emergencies reception service

TARGET GROUP¹: 2 nurse students, 1 nurse, 1 intern (medicine student who can prescribe medication)

ESTIMATED SCENARIO DURATION: 15 minutes

SCENARIO SUMMARY²:

Management of a patient with a grade 3 anaphylactic reaction following penicillin administration

EDUCATIONAL OBJECTIVES

GENERAL OBJECTIVES:

Management of a grade 3 anaphylactic reaction

SCENARIO-SPECIFIC OBJECTIVES: to be determined

PARTICIPANTS' ROLE

STUDENT: 1	Nurse student (emergency intern)		
PROFESSIONAL: 1	Nurse in emergency service		
TRAINERS ³	Nurse Steering dummy and voice	Nurse (facilitator) - If material problem	Intern

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)

		- debriefing	
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EQUIPMENT LIST⁴

Medical supplies:

- Circulation⁵:

Garrotte

Catheter for drip IV (22G, 20G, 18G)

Tube for blood test

Compress

Body of the pump and transfer

Syringes for gazometry

Pump

Syringes 10cc

- Ventilation⁶:

Oxygen glasses

Oxygen bottles (or manometer)

Simple mask

High concentration mask

- Miscellaneous⁷:

Stethoscope

Gloves S, M, L non-sterile

Hydro-alcoholic solution

Medicines and solutes:

Documents⁸:

Sorting sheet IAO corresponding to the service

Recommendations EBN/EBM about the anaphylaxis management

Accessories⁹: pens, labels to identify the IV

Environment¹⁰: wigs for dummies

SCENARIO PREPARATION

SIMULATION TYPE:

DUMMY TYPE:

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**...

SIMULATOR PREPARATION: SIM MAN 3G

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

- Positioning¹¹ : patient lying down

- Accessories¹²: patient infused with main line NaCl 0,9% in vein guard and pouch $\frac{3}{4}$ empty labelled "amoxicillin 1g" passing

ENVIRONMENT PREPARATION¹³: bed barriers in high position

PREPARATION OF ADDITIONAL EXAMINATIONS¹⁴: NO

PREPARATION OF STUDENTS/LEARNERS¹⁵: work clothes on

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

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...)

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

DEBRIEFING IDEAS

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 - auscultation pulmonary	Symptoms, voice		
State 2: AP: HR: RR: SpO ₂ : ECG curve: Clinical signs: - eyes ²³ - pupils ²⁴ - auscultation pulmonary			

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

<p>State 3:</p> <p>AP: HR: RR: SpO₂:</p> <p>ECG curve:</p> <p>Clinical signs: - eyes²⁵ - pupils²⁶ - auscultation pulmonary</p>			
End time of scenario:			

SCENARIO EVALUATION

POSITIVE ASPECTS:

TO IMPROVE:

REALISM:

USED PROTOCOLS:

PROTOCOLS TO IMPLEMENT:

²⁵ Open, half-closed, closed

²⁶ Miosis, mydriasis, anisocoria, normal-reactive