



# **Introduction to Clinical Simulations**









# What is a clinical simulation?

Methodology that offers the possibility of performing **safe and controlled way** a practice in a clinical setting that simulates professional reality.



Image 1. Simulation environment





# What is NOT clinical simulation?

- Masterclass
- Role Playing
- Transmission of information
- Show (ex. theatre)





# What is a clinical simulation?

- Recreate a real situation to learn from the mistake
- But...we also learn from our successes
- We all have strengths and weaknesses
- To build a parallel reality, which does not cause pain (because of the experience, because of the reflection)



Image 2. Simulation environment

Society for Simulation in Healthcare. 2016.





# **Basic competence/s:**

Clinical Simulation Training promote (the):

- Oral communication skills;
- Ability to manage information;
- Ability to solve problems;
- Ability to make decisions;
- Ability to work in a team;
- Critical reasoning.

Jeffries, P. R. (2005).





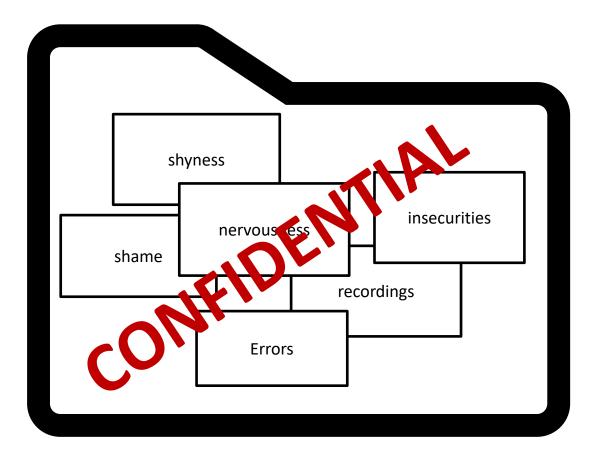
# **General objectives:**

- Resolve situations in a clinical case (of acute and chronic health processes) that do not follow the expected clinical evolution.
- Improve communication and procedural skills





## **Rules of simulation**

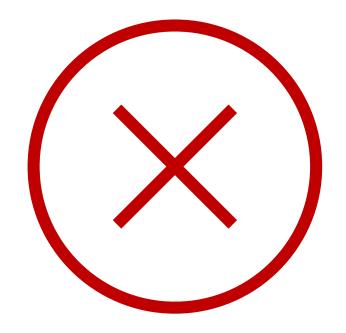






## Learning by doing methodology

# The best moments are when we make mistakes, realize them and think about how to improve



Sawyer, et al. (2015).





## **Simulation phases**

#### **BRIEFING:**

Participants are introduced to the situation they will face and are prepared to start the case through a safe environment. It is explained what a simulation is and its purpose. There is a tacit Confidentiality, Security and Trust Agreement that must even be signed through informed consent. The objectives of the simulation are explained.

#### This phase duration is approximately 15 min





## **Simulation phases**

#### **SIMULATION:**

Moment in which the simulation itself will be developed. This is the time that will be spent developing the scenario itself. The case could end in two ways, either because the initial objectives have been achieved, or because the maximum time set has been exceeded.

#### This phase may have a duration of 10-12 minutes





## **Simulation phases**

#### **DEBRIEFING:**

This phase is the key element in simulation. The objective is to create a space that promotes introspection and analysis of behaviour, feelings and the processes that have taken place during the simulation with respect to the primary and secondary objectives.

#### This phase may last 20 minutes





## References

- Image 1: <u>A mannequin lying in a hospital bed next to a monitor</u> by Trnava University from unsplash.com, free license by <u>Unsplash</u>
- Image 2: <u>A monitor is on a stand in a room</u> Trnava University from unsplash.com, free license by Unsplash
- All icons/pictograms from PowerPoint<sup>®</sup> for Microsoft 365 MSO (Version 2205 Build 16.0.15225.20172 64 Bit)







## Literature

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