

FEDERAZIONE NAZIONALE ORDINI PROFESSIONI INFERMIERISTICHE



STATO MAGGIORE DIFESA Ispettorato Generale della Sanità Militare

CLINICAL SIMULATION IN THE Spanish Armed Forces

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CLINICAL SIMULATION IN MILITARY EDUCATION

- Obligatory training before deployment in AO.
- Specific education of the cadets of the Military Medical Corp.
- Postgrade education of officers (PhD and RN).
- Improve, reiniforce, optimice and integrate:
 - Transversal and basic competences.
 - Clinical care an casualty safety by minimizing errors.
 - Leadership capacity.
 - Management of critical casualties in a multidisciplinary approach.



ADVANTAGES

- Prioritize the student.
- Simulation decreases the learning curve.
- It allows to emulate unusual environments.
- It allows to escalate the learning level.
- It increases the casualty safety.
- Evaluation of competences and abilities.
- Presentation to the professional to a new work environment.
- It allows a real time feeback.

INCONVENIENCES

- At the material resource level:
 - High cost.
 - Institutional financial support.
 - It does not allow to emulate all the real life situations.
- At the human resources level:
 - Specialized training
 - Instructors shortage
 - We spend a lot of time developing clinical cases.
 - Permanent and specialized staff is requiered.
 - Stress should be a tool not an impediment to learning.





WHICH IS OUR GOAL?

TRAIN AS YOU WORK AND WORK AS YOU TRAIN









SIMULATION TOOLS

- Life animals.
- High-fidelity task trainers.
- Low-fidelity manikins.
- High-fidelity full human manikins.
- Actors taking the role of casualties.













SIMULATIONTOOLS

- High fidelity clinical manikins.
- Characterized simulation and fx.
- Simulation in virtual environment.
- Experimental surgery with animal model.
- Combat and tactical equipment
- SVACOM simulation field **



HOW WE DO IT?

INTRODUCTION PHASE

CLINICAL SIMULATION

DEBRIEFING

SIMULATION PHASE



TACTICAL TRAINING AREA

- Projected in 2007 created in 2008. Not finished yet.
- MATERIAL RESOURCES:
 - 2 Armored vehicles
 - 1 UH model Helicopter
 - 1 Tactical truck
 - 3 light tactical vehicles.
 - 1 medium fidelity simulation classroom.
 - Advanced clinical simulators
 - Specific technical simulators.
 - Tactical and medical supplies.



ADVANCED CLINICAL SIMULATION AREA



CONCLUSIONS

- 1. CS represents an improvement in:
 - Medical training and instruction processes.
 - Instruction in skills and procedures.

TEN

- 2. Institutional economic support is requiered.
- 3. Specialized education for simulation providers.
- 4. CS is an optimal tool to evaluate proffesional competencies and abilities.
- 5. We should use epeidemiological and tactical data to decide the most effective learning strategies.

GRAZIE PER LA VOSTRA ATTENZIONE

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