

LOW-COST HIGH FIDELITY SIMULATION SESSION :

What are the best ways to reduce costs without destroying pedagogical interests of a simulation session ?

Hello,

I am Frederic MARTIN, French anesthetist physician. I'm currently researching data about low-cost simulation session in order to graduate as a healthcare simulation teacher.

In this investigation, High fidelity simulation means mannequin full of electronic devices like HAL S3201 (Gaumard) or iStan (CAE HealthCare).

Moreover, we'll consider that « low-cost simulation » means « reduced-cost » without losing pedagogical interests.

Center's name : _____

Email : _____

Who are your students ? (%)

Paramedics _____ , médical student _____ , resident _____ , senior practionner _____ ,

1. In your opinion is it interesting to focus on low-cost simulation ? :

I strongly agree **5** I agree **4** undecided **3**

I disagree **2** I strogly disagree **1**

2. What does « LOW-COST HIGH FIDELITY SIMULATION SESSION » mean to you ?

- ☐ You do not use electronic mannequins ☐ you choose to reduce your staff
- ☐ Increase number of students per session ☐ You do not use video devices
- ☐ Try to use low-fidelity mannequin with a simulated scope or anything else

3. In your opinion, what are the most important things which are essential to maintain realism and pedagogical interest ?

4. How much is the profit margin in your center ? (%)

5 10 15 20

5. What are the best ways to reduce costs and the price of a simulation session ?

6. What is the proportion of each proposition in your outcome ? (%)?

Staff _____ // actors _____ // travel costs _____
Equipment costs _____ // consumables _____ // maintenance of products _____ //
continual staff training _____ // various outcomes _____

7. For which kind of simulation sessions could you apply low cost process ?

- ☐ High fidelity with electronic mannequin, ☐ High fidelity with realistic environment,
☐ low fidelity mannequin , ☐ Procedural simulation

8. In which case will you use low-cost simulation sessions ?

First Aid Assistant _____ , Paramedics _____ , Medical Student _____ , CME for Medical Doctor _____ ,
Speciality ? Emergency / ICU/ Anesthesiology / pediatry
Environment ? Emergency room / Polytrauma center / Operating Room / Obstetric

9. In-situ simulation is cheaper than a session scheduled in a simulation center ?

I strongly agree **5** I agree **4** undecided **3**
I disagree **2** I strongly disagree **1**

a. Why ?:

Further comments :

Thanking you in advance for your participation