

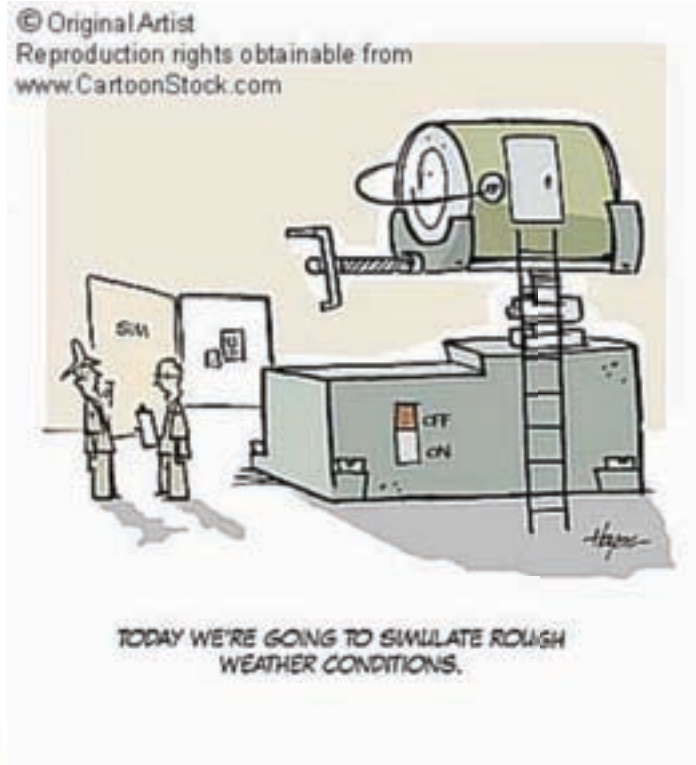
It's all in the family:
An introduction to Simulation

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Pre Conference Course,
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What is simulation?



What is simulation?

McGaghie (1999) defines simulation as:

“a person, device or set of conditions that tries to present problems authentically. The student or trainee is required to respond to the problems as he or she would under natural circumstance”



Another view

Simulation is, according to Gaba

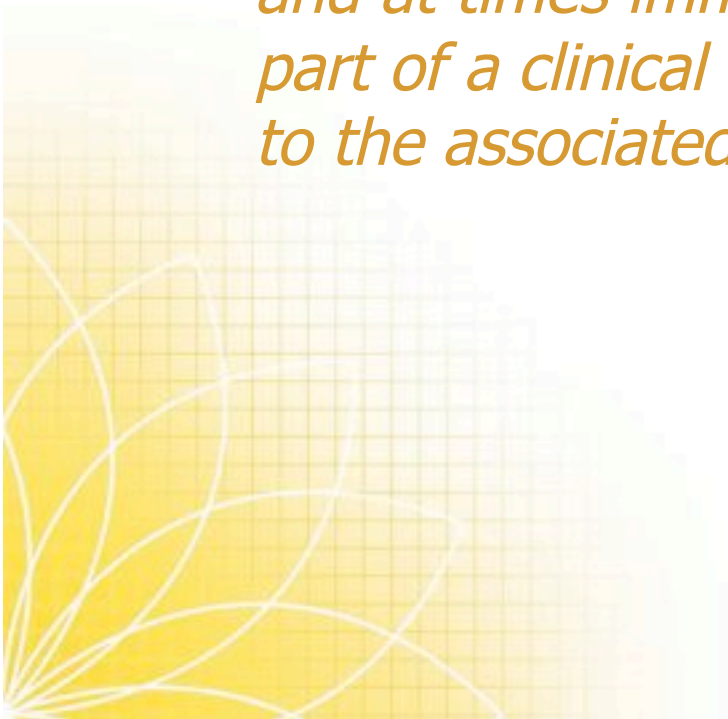
'a technique - not a technology - to replace or amplify real experiences with guided experiences that evoke or replicate substantial aspects of the real world in a fully interactive manner' Gaba (2004: i2).



Simulation in relation to medical education

Maran and Glavin describe simulation as

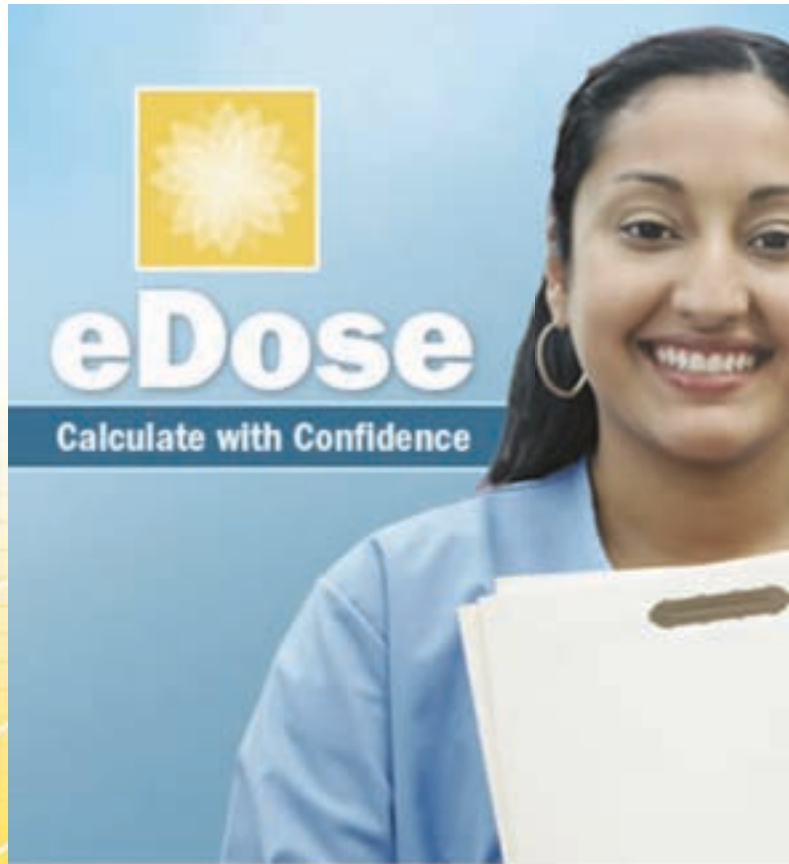
"an educational technique that allows interactive, and at times immersive, activity by recreating all or part of a clinical experience without exposing patients to the associated risks" (Maran and Glavin 2003:22)



Let's remember what is
available?



Electronic Learning



Large numbers of students both in an academic and home setting. Uses software to teach/ revise/ test many examples e.g eDOSE

Virtual Reality



Combines computer software with haptic feedback, used in endoscopy, urology - may be placed with a mannequin to recreate realistic setting e.g endoscopy suite with iSTAN.
1:1 student ratio

Part Task Trainers



Relatively inexpensive, great for basic skill acquisition,
one tutor many students.

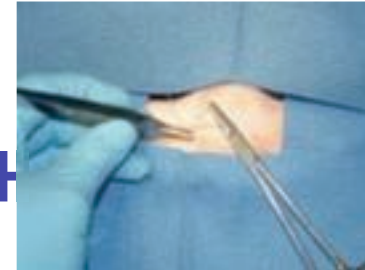
Hybrid Simulation



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Allows practicing of technical skill with non-technical skills e.g communication, dignity etc. Good for Consolidation, revision, ratio 1:1.

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