







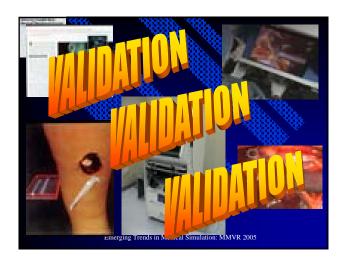
ACS Proposed uses of Simulation

- Screening for aptitude
- Provide initial training
- Promote ongoing education
- Enable periodic assessment
- Maintain proficiency through rehearsal pt specific procedures

Emerging Trends in Medical Simulation: MMVR 2005

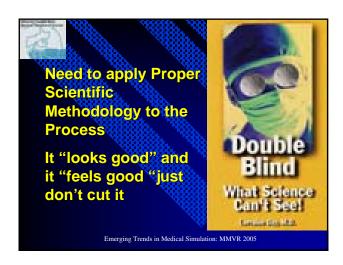
SIMULATION WILL BE READY FOR PRIME TIME ONLY WHEN PROPONENTS CAN SHOW THAT CLINICALLY USEFUL LEARNING RESULTS FROM SIMULATOR USE!!





Designing a Validation Study for simulation Need clear (unambiguous) definition of what constitutes error and success for the procedure. Need high inter-rater reliability Emerging Trends in Medical Simulation: MMVR 2005

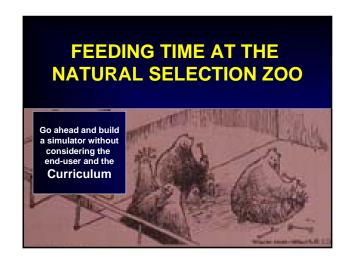




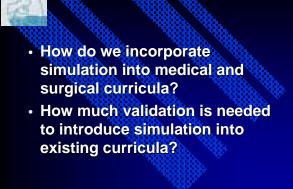












Potential benefits of adding simulation into medical and surgical curricula

- Mastery of skills perform as advertised
- Asynchronous learning
- Decreased faculty lecture time increased time for assess & remediation
- Decreased use of animals

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Choice of Curriculum (where should we start to introduce simulation)

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- Well established course
- Procedure Dependent
 - Lends itself to simulators
- Established Metrics

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Where do we go from here?

Realizing the Potential of Simulation

- Allow boards to certify skill rather than oral discussion
- Permit prototyping "in silico"
- Testing of new devices in a simulated environment
- Patient specific rehearsal of operations

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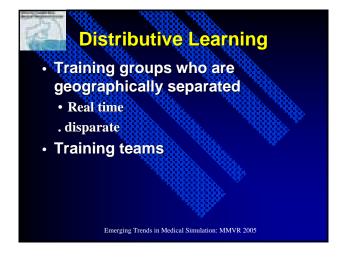


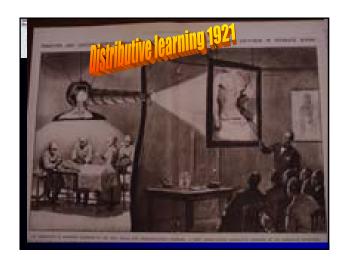






















- Collaboration
- Integration
- National Agenda
- Teamwork



