

## ACS 2022 Surgeons and Engineers: A Dialogue on Surgical Simulation Meeting

### Challenges in Surgical Education

**Telesimulation designed for undergraduate students of surgery: delivering high quality and accessible clinical teaching strategies without reinventing the wheel.**

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**Introduction:** The current COVID-19 pandemic challenged clinical teaching by affecting the normal development of face-to-face activities including simulation center's activities. Even more, simulation came up with some restraints about accessibility.

**Current Challenges:** Solutions are needed to help mitigate these effects, making clinical practice more accessible and affordable, especially in low and middle income countries. Idle simulation center resources and low cost available software are some strengths and opportunities to reshape the way we deliver clinical teaching in a more efficient and fully interactive manner.

**Need of Innovation:** High-fidelity telesimulation using web meeting platforms that allow students to experience and analyze critical situations and plan solutions is possible. As a learning opportunity favors clinical teaching. As a communication and information technology, although it can achieve high fidelity and improve accessibility to simulation as a learning tool, it cannot neglect the technical and technological aspects in both sides (teachers and students) that can alter the course of it.

