

Perspective Remote Simulation During COVID-19

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The COVID-19 pandemic has intensified the need for online educational experiences across the United States. As medical students were removed from their clinical rotations, simulation-based training was one of the few clinical experiences students could receive during the pandemic. However, it is a challenge to run simulation sessions without physical access to the Standardized Teaching Assessment Resource (STAR) Center, high-fidelity simulators, and equipment, and we were challenged to transition simulations to a fully online experience. The STAR Center, with support from the Kern Institute, overcame many of these obstacles to provide remote simulation experiences for our learners.

The STAR Center staff created a virtual clinical exam room using Zoom – similar to the exam rooms at the STAR Center – where students could practice their communication and clinical skills on a standardized patient. The checklists and grading rubrics transitioned to Qualtrics for off-campus access. Additionally, new reports and dashboards were created which will drastically change the way students receive feedback.

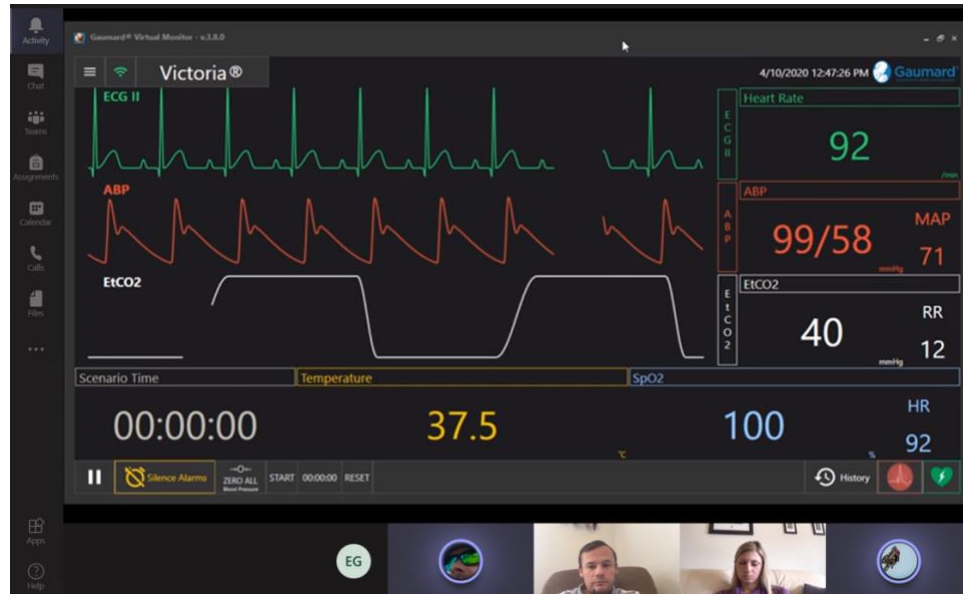
The virtual exam rooms recreate a telemedicine experience and allow the STAR Center to continue offering Objective Structured Clinical Exams (OSCE). The Kern Institute has been a wonderful partner throughout this process. Without this support, the STAR Center would not have the refined and streamlined process that has been established in about a month.

Likewise, the STAR Center uses Gaumard's high-fidelity mannikin software and vitals monitor in conjunction with Microsoft Teams to do remote high-fidelity simulation sessions. According to Michael Stout, Master of Science in

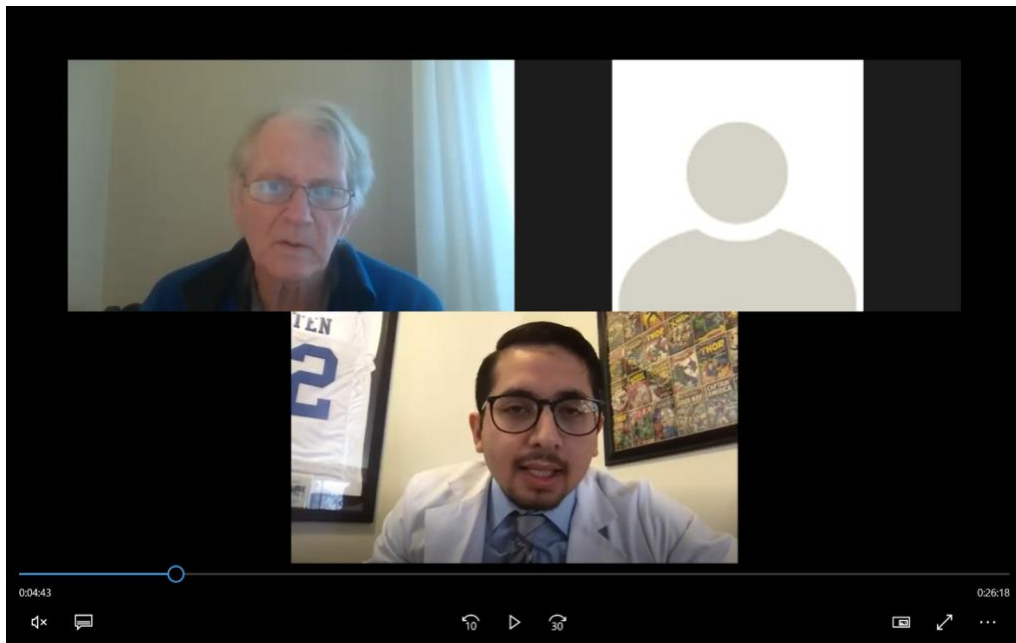
Anesthesia (MSA) Program Director, MCW was believed to be the only Certified Anesthesiologist Assistants (CAA) program in the country running remote simulation sessions when the STAR Center & MSA program began these sessions in early April 2020.

MSA faculty members work through virtual case scenarios with their students. As the scenario develops and clinical interventions are needed, a STAR Center staff member adjusts the patient's vitals in real-time. The students must think critically about their diagnosis and make clinical decisions to improve the patient's vitals. The faculty members inquire about the students' clinical reasoning in real-time and both student and faculty exchange immediate feedback during the scenario.

These remote training opportunities are especially important while clinic visits are on hold. In partnership with the Kern Institute, the STAR Center has been a leader in developing remote simulation experiences for our students so they can continue their clinical experiences during this pandemic.



MSA Virtual Simulation Experience



M3 Medicine Virtual OSCE Experience

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