



Transforming the Healthcare Simulation Spectrum: Now, Next and Beyond

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A GUIDE FOR SIMULATION TECHNICIANS ON INSITU SIMULATION DURING PANDEMIC



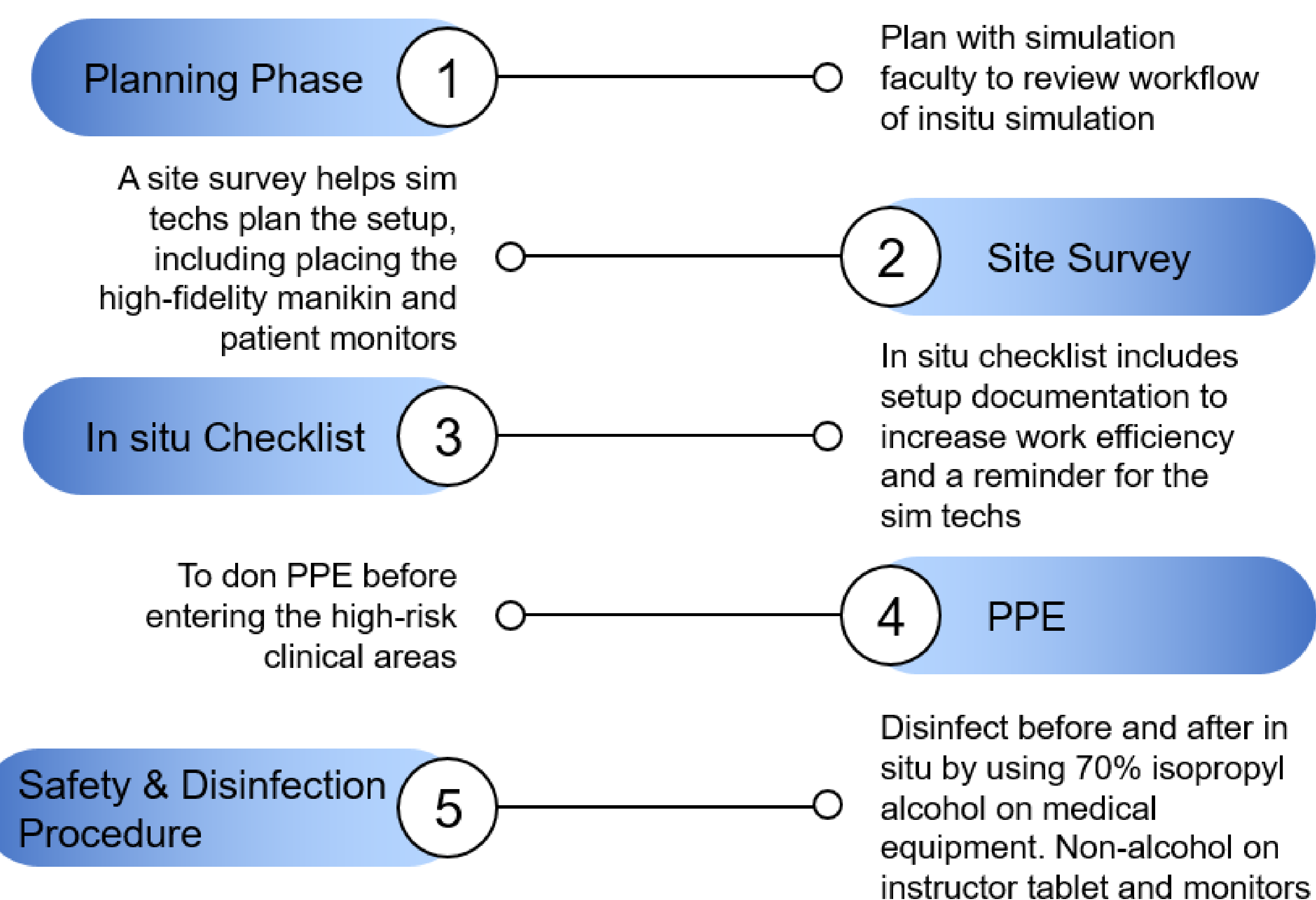
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Introduction & Aim

In situ simulation provides training for health workers to practice protocols and improve teamwork skills in their clinical environment, which provides realism. In situ simulation also helps develop department simulation-tested policies for clinical wards¹. Changi Simulation Institute (CSI) has conducted in situ simulations since 2012 for various departments from emergency medicine, intensive care units and the clinical wards. Ever since Singapore detected its first case of COVID-19 in January 2020, the number of in situ simulations in Changi General Hospital (CGH) has increased to leverage testing of protocols and test management of patients suspected of COVID-19 and COVID-19 patients. The use of in situ simulations also tests the converted clinical environment to support the increased cases of COVID-19². The simulation technicians in CSI would then require to support the organisation in the in situ simulation in the high-risk environment. A simulation technician's primary responsibilities are to schedule the simulation training, prepare the resources for the training, operate the manikin software, and transport the manikin and equipment to the clinical environment. These are the general responsibilities; however, with the risk of going to a high-risk environment, additional preparation includes wearing personal protective equipment (PPE) and infection control.

Description



In Situ Simulation @ CGH



Discussion

The planning phase and site survey are essential for success in situ simulation. Work instructions and checklists reduce the pre-course preparation time and missing equipment, affecting the in situ simulation duration where the clinical environment is located in a different building. The work instructions and checklists also help the new simulation technicians ensure consistency in the pre-course preparation. PPE and disinfection procedures are necessary to reduce cross-contamination and protect the simulation technicians. The in situ guide has been utilised by CSI staff, and improvements are made to cater to the changing operational procedure, especially during the pandemic.

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Infographics : Freepik

