

Forschungs- Mittwoch

#152

HKB Forschung

Institute of Design Research,
MA Design + Swiss Center
for Design and Health

3. Mai 2023
18.30 Uhr

Ipsachstrasse 16
2560 Nidau

Simulation-based Hospital Design Testing

Nora Colman, HKB-Gastprofessorin am Swiss Center for Design and Health, zeigt in ihrem Vortrag, wie man heute Gesundheitsbauten plant: Die Simulation von Behandlungs- und Arbeitsabläufen trägt dazu bei, die Patientensicherheit zu erhöhen und Kosten zu senken. Doch welche Rolle spielt dabei Design?

Hinweis: Der Vortrag wird in Englisch gehalten.

Referentin:

Nora Colman is an Assistant Professor in Pediatrics in the division of Pediatric Critical Care Medicine at Children's Healthcare of Atlanta. Her research focuses on the intersection of healthcare design and patient safety and quality and patient safety-targeted simulation.

Moderation:

Minou Afzali

In the design of new healthcare facilities, ability to mitigate risk during design development is imperative. Simulation-based Hospital Design Testing (SbHDT) applies rigorous methodology anchored in evidence-based design, simulation, structured debriefing, and failure mode and effect analysis. SbHDT proactively tests the complex interface between people and the built environment. During design development for a 400-bed freestanding children's hospital, frontline staff simulated episodes of care across 15 clinical areas. 722 latent conditions were identified, of those 456 required architectural design modifications, resulting in a cost avoidance of \$90 million.



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