



iEXCEL Digital Pulse

September 2023
Volume 9 Issue 9

Improving Human Performance & Effectiveness in Health Care

UNMC faculty, students and iEXCEL staff continue to test and try new ways of adopting simulation and visualization to "bring learning to life!" With many sessions on the schedule, the interprofessional, experiential, performance-based model for health professions training continues to evolve.

Disaster Drill - Outdoor Sim Day



The Department of Emergency Medicine partnered with Gretna Fire & Rescue Department and LifeNet to create a realistic outdoor simulation scenario. The team practiced emergency lifesaving skills in critical situations including drowning, vehicular accidents and a mass tornado disaster. Residents led by Dr. Jason Langenfeld and Dr. Katherine Willet had to properly treat and care for patients while ensuring effective teamwork and communication skills with other emergency provider teams.

[Read & Watch KETV News Coverage](#)

[Read & Watch WOWT News Coverage](#)

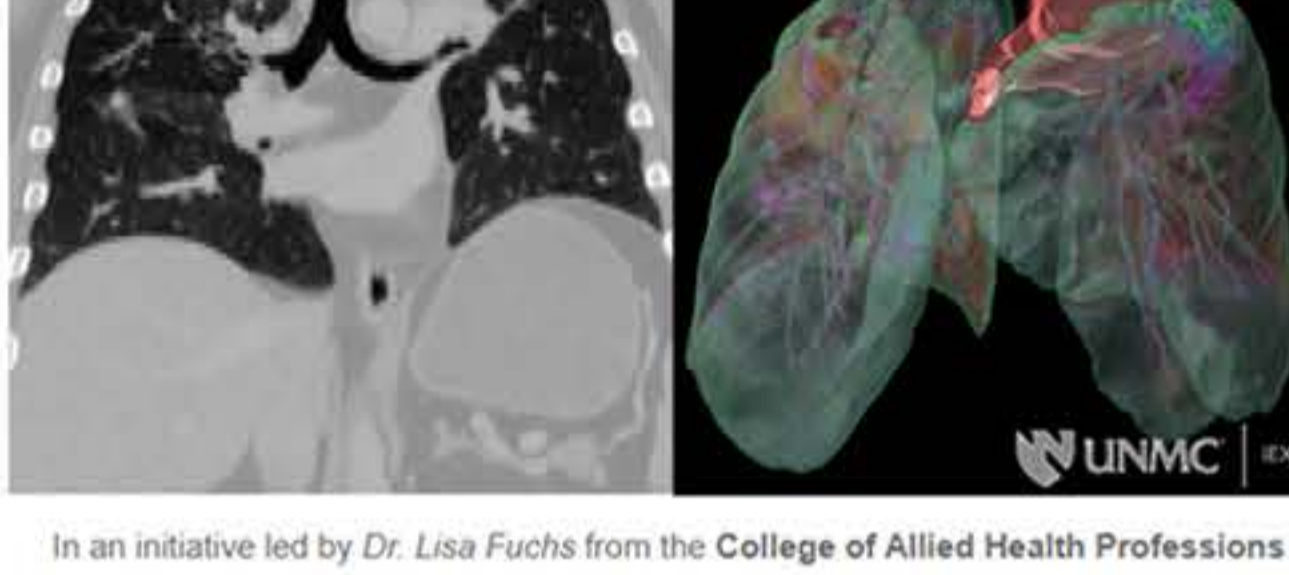
[Read & Watch 3 News Now Coverage](#)

Smaller Incisions for Lap Adrenal Surgery



Department of Surgery residents visited the iEXCEL Operating Room to practice Laparoscopic Adrenalectomy, a minimally invasive technique to remove adrenal masses. Led by Dr. Abbey Fingeret and Dr. Jessica Shank, this group is actively working to improve patient care outcomes and recovery time through the adoption of sophisticated surgical technologies.

Take A Breath: New 3D Respiratory Models



In an initiative led by Dr. Lisa Fuchs from the College of Allied Health Professions in collaboration with Nebraska Medicine physicians, iEXCEL 3D Generalist Wesley Fisher rendered a new visualization tool for learners. This 3D rendering of CT scans from a lung cancer patient helps students better comprehend complex oncological pathologies.

Standardized Patients Across the State



This month, the College of Allied Health Professions' Physician Assistant students utilized Standardized Patients for genitourinary and rectal exams in Kearney and Omaha, ensuring experiential learning opportunities for students on both campuses.

Additional Highlights



Simulation Workshop

Join fellow faculty and educators from across UNMC to hear about the resources and opportunities at iEXCEL. In this free workshop, experienced iEXCEL team members will help attendees plan hands-on sessions for students. Future workshop dates and one-on-one sessions are also available, just fill out the form below!

[iEXCEL Simulation Workshop](#)



Innovation Symposium

iEXCEL team members, Dr. Priscila Rodrigues Armijo, Sarah Kriss, Samantha Rogers, Randi Peavy, and Paul Dye presented about iEXCEL at the Interprofessional Academy of Educators, InnovatED Symposium on September 28. Their presentation highlighted faculty and student

Let's Connect

Share your experience with iEXCEL and follow us to see innovation in health care training and simulation:

LinkedIn: [iEXCEL at UNMC](#)

Facebook: [@UNMC_iEXCEL1](#)

Twitter: [@UNMC_iEXCEL](#)

Instagram: [@iexcelunmc](#)

Contact us: [Gateway App](#)



Please continue to reach out to us directly with questions (see the iEXCEL UNMC app) about how to access staff in the Davis Global Center, especially if you would like support from iEXCEL in creating simulation and visualization scenarios.



We look forward to continuing to innovate with you!

Sincere Regards,

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