Health science students at Tec Mexico City to practice using robots

Students from the **School of Medicine and Health Sciences** at Tec de Monterrey's **Mexico City campus** will have the opportunity to apply the knowledge they have acquired in the classroom at the recently opened **Clinical Simulation Center**.

*"**Simulation-based education** has gained great importance worldwide, as a strategy for training health science students.*

*"It provides **consistent, supervised and feedback-focused practice** at all levels of learning for people studying health sciences,"* explained Elena Ríos, National Director of Clinical Simulation at the Tec.

Ríos spoke about the importance of health science students having the opportunity to **practice using robots**.

estudiantes de medicina en el centro de simulación clínica width="900" loading="lazy">

*"Disciplines that focus on healthcare require **exhaustive training in safe and controlled environments**, so **simulation centers** have developed into the place to do that*

*“**Simulation** doesn’t mean only technology, as human resources are also highly valuable,”* she added.

During the inauguration, Guillermo Torre, Rector of TecSalud, said that the **School of Medicine** has been a pioneer in innovation.

*“The simulation center **is an example of what we want to do in the future**. It moves medical education forward.*

*“The School of Medicine has distinguished itself as a promoter of new educational strategies. Years ago, **a problem-solving model was established**, which has now evolved into the Tec21 Model,”* he said.

“Disciplines that focus on healthcare require exhaustive training in safe and controlled environments.” - Elena Ríos, National Director of Clinical Simulation at the Tec.

Jorge Valdez, Dean of the School of Medicine and Health Sciences, said that education and **simulation** should go hand in hand.

***“**Health science education cannot be conceived of without including **simulation processes**.*

*“It’s a **high-quality center** that should provide satisfaction to both students and teachers. We should make the best use of it,”* he explained.

The School of Medicine has distinguished itself as a promoter of new educational strategies. - Guillermo Torre, Rector of TecSalud

“It’s part of a dream”

For Guillermo Domínguez Cherit, Dean of the Tec’s School of Medicine and Health Sciences in the Mexico City Region, the **Simulation Center** is a dream come true.

“This is part of the dream for the School of Medicine in Mexico City. It’s one more success we’ve achieved.

*“The idea is to **make the most of it**, and now we have all the necessary resources,”* he said

Finally, the Tec’s Vice President for the Mexico City Region, Rashid Abella, expressed his joy at the inauguration of the space.

“*We searched for the best space for the **Clinical Simulation Center***. I’m very happy that projects focused on health issues are coming together,” he said.

robot del centro de simulación clínica width="900" loading="lazy">

Find out more!

The Clinical Simulation Center has several rooms that are described below:

Skills-development room: This has capacity for up to 60 participants, and includes equipment for projection, audio, and the equipment necessary for students to develop disciplinary and cross-cutting skills.

Hospitalization rooms: At the moment, these house pediatric simulators. Thanks to the mobility of the equipment, a hybrid simulation using real patients may be possible.

Labor, delivery, and recovery room: Processes requiring the use of both delivery and newborn care simulations at different levels of severity can be practiced here.

Emergency rooms: These have high-fidelity simulators that allow skills development to take place.

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Operating room: Operating room behavioral skills, basic surgical skills, advanced monitoring, and pre- and post-operative management skills can be developed here.

Intensive care room: This has a high-fidelity simulator to practice punctures, tube placement, drainage, advanced wound care, as well as invasive and non-invasive patient monitoring.

Multitasking room: This has capacity for up to 30 attendees who can work on different activities such as cardiac risk studies, training courses, and more.

Debriefing rooms: These are designed for small-group discussion.

Consulting rooms: These have the capacity to function as psychology, medicine, or nutrition consulting rooms and have the necessary equipment. Real patients can be seen here.

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