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Sant Cugat Campus

**UIC**  
barcelona

# Comprehensive Centre for Advanced Simulation



[uic.es/cisa](http://uic.es/cisa)

Universitat Internacional  
de Catalunya



We at the Comprehensive Centre for Advanced Simulation want to promote education, research and innovation in the field of health, through teaching and hands-on simulation practice, in an effort to guarantee care quality and patient safety in cooperation with institutions and companies.

We are experts in simulation. We have all manner of simulators to faithfully reproduce a full range of physiological functions. We also work with real, up-to-date healthcare equipment, as well as a team of simulated and/or standardised patients.

Thanks to the cross-disciplinary nature of our team and the versatility of our facilities, we are able to tailor programmes to different health fields and specialities: general medicine, surgery, nursing, physiotherapy, clinical psychology, etc.

We simulate and conceptualise scenarios at all levels of care: primary care, hospital care, health and social care and mental health care.

In both advanced robotic simulation and simulation with patients, we reproduce real situations in order to:

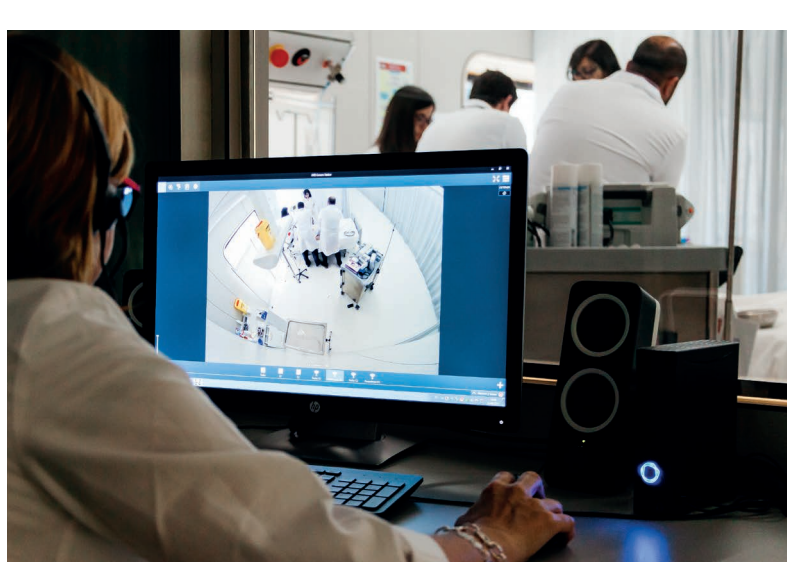
- Teach and improve both technical healthcare-related skills and interpersonal skills such as leadership, coordination, communication, decision-making and, in short, teamwork;
- Improve care circuits and their continuity;
- Test new procedures and protocols prior to implementation;
- Assess and enhance professional competences.

Tutored discussion helps round off the teaching experience in a controlled, safe environment.

**A team of professionals and specialised advisers from different areas of health at your service.**

We have a versatile 1,000m<sup>2</sup> simulation centre that is fully adaptable to your needs.





We provide tailored solutions in a timely, flexible and dynamic fashion.

Over 10 years of simulation experience.

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### Facilities

**Primary care unit**, which includes two visiting rooms and a waiting area.

**Hospitalisation unit**, with 16 beds divided between two hospital wards.

**Specialisation unit**, comprised of a surgery, emergency room and intensive care unit.

**Training unit**, with three multi-purpose rooms for technical skill training.

**Control room**, which allows instructors to observe the scenarios live, through one-way mirrors. All rooms are also equipped with a video-recording system through which the scenarios may be broadcast in the display room and subsequently analysed and assessed as part of the learning process.

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### Equipment

The Comprehensive Centre for Advanced Simulation operates in exactly the same way as a normal care centre and helps students, through its structure and equipment, gain care experience.

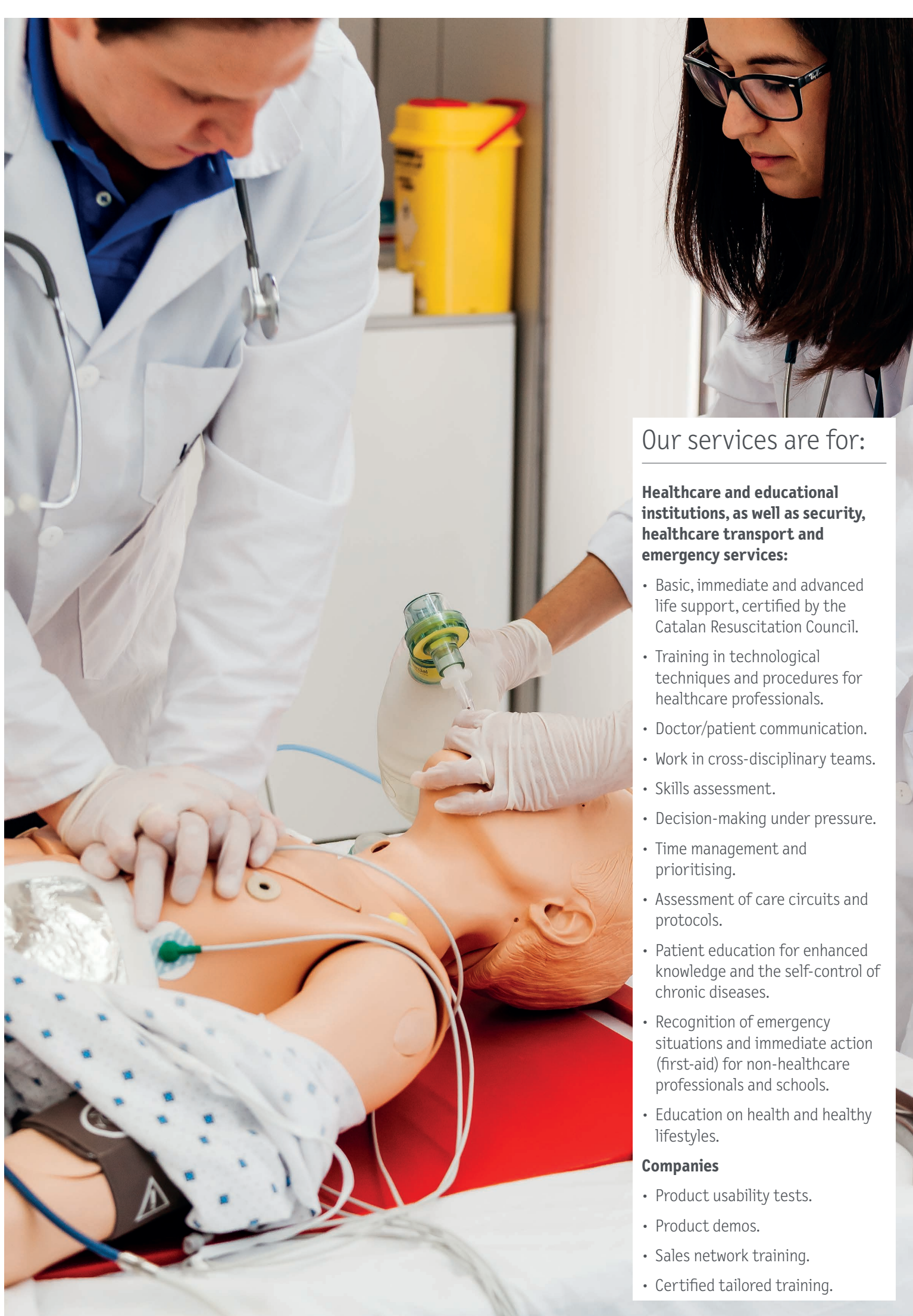
We also have mannequins ranging from simple training tools for practising diagnostic, therapeutic and/or exploratory techniques and procedures on specific anatomical regions to highly sophisticated simulators that are ideal for recreating real situations and gaining experience with clinical management, decision-making, monitoring and life support on critical patients.

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### Staff

Our multi-disciplinary staff are specialised in simulation and guarantee an experience that will achieve all proposed objectives.

All projects include advice from a teaching coordinator with expertise in simulation. Also at your disposal are the centre's skilled staff, simulated and/or standardised patients and specialised instructors.



## Our services are for:

### **Healthcare and educational institutions, as well as security, healthcare transport and emergency services:**

- Basic, immediate and advanced life support, certified by the Catalan Resuscitation Council.
- Training in technological techniques and procedures for healthcare professionals.
- Doctor/patient communication.
- Work in cross-disciplinary teams.
- Skills assessment.
- Decision-making under pressure.
- Time management and prioritising.
- Assessment of care circuits and protocols.
- Patient education for enhanced knowledge and the self-control of chronic diseases.
- Recognition of emergency situations and immediate action (first-aid) for non-healthcare professionals and schools.
- Education on health and healthy lifestyles.

### **Companies**

- Product usability tests.
- Product demos.
- Sales network training.
- Certified tailored training.

Sant Cugat Campus  
Josep Trueta, s/n  
08195 Sant Cugat  
del Vallès  
T. +34 935 042 000  
simulacio@uic.es



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## Our methodology and know-how, at your service

- We have over 10 years of simulation experience.
- We provide tailored solutions.
- We have a team of professionals and specialised advisers from different areas of health.
- We are fast, flexible and dynamic.
- We have a versatile 1,000m<sup>2</sup> simulation centre that is fully adaptable to your needs.