Train the Simulation Technician Course

9th – 10th November 2023

Who should attend?

Simulation technicians, who are already working in medical training centers focusing on clinical simulations by using manikin based simulators, are advised to attend the course with *Certification Type A.*

Simulation technicians, who are already working in medical training centers focusing on wet lab or cadaver based surgical trainings are advised to attend the course with *Certification Type B.*

Concepts covered in NASCE Train the Simulation Technician Course Program

Certification Type A

This course will cover following topics:

- Infrastructural requirements of medical equipment and simulators.
- Infrastructural requirements of AV solutions and data network.
- Topology of LMS systems integrated with AV solutions
- Basic information of sensor technologies used in medical simulation.
- Hands-on workshop with sensor technologies used in simulators
- Other components used in medical simulators
- Serious gaming modules used with tablet PC, VR and AR based platforms.
- Preventive maintenance

Certification Type B

This course will cover following topics:

- Swine Anatomy
- Animal Care in wet lab conditions
- Designing the wet lab according physical, infrastructural and animal welfare requirements
- Animal preparation & operation process
- Sterilization and disinfection procedures
- Types of cadavers used for medical trainings
- Cadaver storage techniques

Course Fees

Certification Type A: 500 € (400 € for participants from NASCE Accredited Centers)

Certification Type B: 500 € (400 € for participants from NASCE Accredited Centers)

Certification A and B: 800 € (650 € for participants from NASCE Accredited Centers)

Please contact Nazli Tansu for payment procedure and other details:

info@acibadem.edu.tr

The number of participants for the course is limited to 24 participants

Agenda of Certification Type A

Date: 9th November 2023

		Educator
09:00-09:15	Welcome & Introduction	Emin Aksoy

09:15-10:15	*Technical Infrastructure of Simulation Centers*
	  ▪ *Electrical*
	  ▪ *Data & Network*
	  ▪ *Audio & Visual*
	  ▪ *Medical Gas*
		Timur Mercan

10:15-10:30	**Coffee Break**	
10:30-12:30	Hardware Components Used for Medical Simulators	Timur Mercan Serhat Ilgaz Yoner
12:30-13:30	**Lunch Break**	
13:30-14:15	Maintenance & Care of Simulation Systems	Timur Mercan

14:15-15:15	Software Structure
	  o *Operating systems used in various hardware platforms.*
	  o *Learning Management System*
	    ▪ *Integration with simulation systems*
	  o *Serious Gaming (PC Based, VR, AR, XR)*
	  o *Data Management*
		Timur Mercan
		Mehmet K.Ozkan

15:15-15:30	**Coffee Break**	
15:30-16:45	Workshop o *Sensor application training*	Timur Mercan Serhat Ilgaz Yoner
16:45-17:15	Certification Ceremony	

Agenda of Certification Type B

Date: 10th November 2023

		Educator
09:00-10:15	Introduction • Animal Care and Anatomy • Preoperative Pig Preparation • Technical infrastructure of wet lab	Pelin Çelikbilek Erkasap Emin Aksoy
10:15-10:30	**Coffee Break**	
10:30-12:30	Animal Preparation Preoperative preparation Operation Animal Monitorization & Anaesthesia Euthanasia of Animals Data Management according to Accreditation System.	Pelin Çelikbilek Erkasap
12:30-13:30	**Lunch Break**	
13:30-14:15	Post-Operative Cleaning Sterilization and Disinfection	Pelin Çelikbilek Erkasap
14:15-15:15	Types of cadavers Cadaver Handling	Wouter Willaert
15:15-15:30	**Coffee Break**	
15:30-16:45	Cadaver Storage Techniques	Wouter Willaert
16:45-17:00	Certification Ceremony	

NASCE

Venue of the course

C A S E
Center *of* Advanced
Simulation *and* Education

CASE (Center of Advanced Medical Simulation and Education) is a NASCE accredited, multidisciplinary medical simulation center and aims to provide high quality education with new training methodologies by using a state of art simulation modalities and medical equipment. CASE consists of a medical simulation center and advanced endoscopic/robotic surgery training center. CASE offers different types of simulation based experiential learning via standardized patients, virtual reality based serious gaming modules, task trainers, surgical simulators and high fidelity manikins. CASE also offers laparoscopic/robotic surgery trainings in its wet lab and cadaver based trainings for various surgical specialties.

For more information about CASE you can use this QR code →

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For address information of CASE you can use this QR code→

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You can find detailed information about the course on NASCE webpage

www.nascenet.org