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Annex 4 to Senate Decision No 5 of 25 April 2024

ACCESS TO THE SIMULATORS OF THE CENTRE FOR PRACTICAL SKILLS AND SIMULATION IN MEDICINE

All laboratories with their equipment and instrumentation will be used only for their intended purpose.

If beneficiaries use this equipment for other types of activities, UMF will apply the appropriate sanctions.

Access to simulators, equipment and instrumentation belonging to CAPSM will be differentiated by level of beneficiaries as follows:

LEVEL 1.

1. Beneficiaries - **students, curricular activity**
2. Type of activity - **student internships**
3. Type of coordination - supervision/responsibility lies with the group
4. Type of simulator - basic simulators, moulding simulators

Basic

Nasogastric intubation and tracheal care manikin
ResusciAnne SkillReporter ResusciAnne SkillReporter Airway management manikin Laerdal Child resuscitation manikin - Resusci Junior Laerdal Female pelvic simulator
Advanced catheterization simulator, male and female
Advanced venipuncture arm



Simulator for injections
Seymour II Wound Treatment Mold Rectal Cough
Simulator

Molding simulators

Shoulder injection simulator - with echogenicity
Knee simulator for injection and aspiration - with
echocardiography Thoracentesis simulator
Paracentesis Simulator Abdominal
Examination Simulator PROMPT
Birthing Simulator
Choking Charlie torso for performing the Hemlik Ultimate
Hurt trauma maneuver

5. Check list of teaching content - activities taking place, according to timetable, during internships, under the coordination of a teacher in the Simulation Centre.

In laboratories with basic simulators and casts, students can learn basic medical techniques so that they can be performed on patients in maximum safety. The facilities are computerised training programmes, equipment (models) and instruments capable of simulating the following manoeuvres as close to reality as possible: practising intradermal, subcutaneous and intramuscular injection techniques, care of patients with respiratory problems and gastrointestinal treatment procedures with nasal and oral access, practising wound cleaning, classification, staging and assessment techniques, practising diagnostic skills associated with rectal cough, urethral and supra-pubic catheterisation procedure on correct male and female urethral anatomy respectively, performing different types of sutures, incisions, surgical knots, suture removal, cardiorespiratory resuscitation techniques, airway management, general and specific management of the trauma patient (immobilisation



cervical spine, emergency fracture reduction and immobilization, active bleeding control, defibrillation, patient transport, etc.), resuscitation of an infant, first aid, extrication and trauma care, the real complications that can occur when applying a wide range of intubation, ventilation and suction techniques, spinal tap, difficult intubation, anesthesia, intraanesthesia monitoring, teaching normal and pathological childbirth.

The simulators allow learning these techniques on both child and adult patients.

6. Technical use checklist (take over/take back equipment)

The handover of the equipment is done before the course starts, between the Centre representative and the course coordinator. At the end of the course the course coordinator hands over the simulators to the Simulation Centre representative. If during the course, the equipment is damaged, a report is drawn up.

LEVEL 2.

1. Beneficiaries - students, **extracurricular activity**
2. Type of activity - **workshops for students**
3. Type of coordination - **supervision/responsibility lies with the teacher**

coordinating the workshop

4. Type of simulator - basic simulators, moulding simulators,

Basic

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A fee is charged for access to the halls for workshops, conferences or various extracurricular courses according to the list of fees approved in Senate Decision no. 3 of 22.03.2023 Annex 6. Fees can be paid to the UMF account or at the university cashier's office

, and proof of payment must be presented at the entrance to CAPSM before the start of the course, workshop...etc.

5. Check list of teaching content - activities taking place, according to timetable, during internships, under the coordination of a teacher in the Simulation Centre.

In laboratories with basic simulators and casts, students can learn basic medical techniques so that they can be performed on patients in maximum safety. The facilities are computerised training programmes, equipment (models) and instruments capable of simulating the following manoeuvres as closely as possible: practising intradermal, subcutaneous and intramuscular injection techniques, care of patients with respiratory problems and gastrointestinal treatment procedures with nasal and oral access,



Practising wound cleansing, classification, staging and assessment techniques, practising diagnostic skills associated with rectal cough, urethral and supra-pubic catheterisation procedure on correct male and female urethral anatomy respectively, the performance of different types of sutures, incisions, surgical knots, suture removal, cardiorespiratory resuscitation techniques, airway management, general and specific management of the trauma patient (cervical immobilisation, emergency fracture reduction and immobilisation, active bleeding control, defibrillation, patient transport, etc.), resuscitation of an infant, first aid, extrication and trauma care, the real complications that can occur when applying a wide range of intubation, ventilation and suction techniques, spinal puncture, difficult intubation, anaesthesia, intra-anaesthetic monitoring, teaching normal and pathological childbirth.

The simulators allow learning these techniques on both child and adult patients.

6. Technical use checklist (take over/take back equipment)

The handover of the equipment is done before the start of the course, between the Centre representative and the course coordinator. At the end of the course the course coordinator hands over the simulators to the Simulation Centre representative. If during the course, the equipment is damaged, a report is drawn up.

**7. Fee: 300 lei for groups up to 20 people; 400 lei
for groups between 20-40 people, 500 lei
for groups over 40 people, 350 lei for
equipment rental.**

LEVEL 3.

1. Beneficiaries - residents **in the form of courses for residents**
2. Type of activity - resident courses



3. Type of coordination - **supervision/responsibility lies with the teacher (coordinator or residency supervisor)/Practical Skills Discipline**

4. Type of simulator - basic, molding simulators, electronic simulator

Basic

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, and proof of payment must be presented at the entrance to CAPSM before the start of the course, workshop...etc.

5. Check list use educational content

Simulation learning of basic ultrasound, emergency ultrasound, interventional ultrasound (ultrasound guided punctures, biopsies, ultrasound scanning and interpretation in a controlled environment and without real patients, vascular access, aspiration, nerve block, therapeutic injections, biopsy and vein care, gastroscopies, colonoscopies, bronchoscopies, endoscopic haemostasis, endoscopic retrograde cholangiopancreatography, learning normal and pathological birth.)

6. Technical use checklist (take over/take back equipment)

The handover of the equipment is done before the course starts, between the Centre representative and the course coordinator. At the end of the course the course coordinator hands over the simulators to the Simulation Centre representative. If during the course, the equipment is damaged, a report is drawn up.

7. Fee: 500 lei per day in the simulator room, 1000 lei in the laparoscopy room

LEVEL 4.

1. Beneficiaries - **medical specialists**
2. Type of activity - courses
3. Type of coordination - supervision/responsibility lies with the postgraduate course coordinator
4. Type of simulator - basic, molding simulators, electronic simulators

Basic

*Nasogastric intubation and tracheal care manikin ResusciAnne
SkillReporter ResusciAnne SkillReporter Laerdal airway
management manikin Child resuscitation manikin - Resusci
Junior Laerdal*



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Electronic simulators

Arthroscopy simulator with modules for -umar, -knee, -hip

Advanced birth simulator

Laparoscopic surgery training system 5 pcs

The combined ENDO Mentor Suite platform provides a comprehensive training environment for gastrointestinal endoscopy, flexible bronchoscopy and endourology, cystoscopy and resection

***SIMBIONIX ROBOTIX MENTOR- DA VINCI** robot simulator*

***LAP MENTOR III** simulator laparo simulator*

***Uro Perc** Endourology and Percutaneous Access Simulator*

***GI MENTOR II** DIGESTIVE ENDOSCOPY AND*

RONCHOSCOPY SIMULATOR

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RONCH MENTOR



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Sectra interactive virtual anatomy system (anatomy department) Advanced
*interactive simulator for neonatology scenarios **Sim Baby** Advanced*
interactive simulator for pediatric scenarios
***SIM Man ALS** adult patient simulator*
***SIM Man 3 G** adult patient simulator*
Laerdal** patient simulator **SimMan
MEGA** adult patient simulator code **Kelly 2 pcs
***MedSim UltraSim** advanced ultrasound simulator*

A fee is charged for access to the halls for workshops, conferences or various extracurricular courses according to the list of fees approved in Senate Decision no. 3 of 22.03.2023 Annex 6. Fees can be paid to the UMF account or at the university cashier's office

and proof of payment must be presented at the entrance to CAPSM before the start of the course, workshop...etc.

5. Check list use educational content

Laparoscopic digestive surgery procedures and techniques (cholecystectomies, obesity surgery, colectomies, etc.), laparoscopic gynaecological surgery, ENT surgery, orthopaedic surgery (arthroscopy), urological surgery (nephrectomy), microsurgery, practising laparoscopic techniques at any level and in any discipline, including gynaecology, urology and general surgery. Superior technology allows simulation of complex laparoscopic procedures, very similar to real life situations, in a safe environment.

6. Technical use checklist (take over/take back equipment)

The handover of the equipment is done before the beginning of the course, workshop between the representative of the Centre and the course coordinator. At the end the course coordinator hands over the simulators to the Simulation Centre representative. If during the course or workshop any equipment malfunctions occur, a report of the malfunction is drawn up.



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- a) Access to the advanced surgical techniques laboratories(105) is granted after completion of the form and approval by the CAPSM director,
- b) A fee is charged for access to the halls for workshops, conferences or various extracurricular courses according to the list of fees approved in Senate Decision no. 3 of 22.03.2023 Annex 6. Fees can be paid to the UMF account or at the university cashier's office
, and proof of payment must be presented at the entrance to CAPSM before the start of the course, workshop...etc.
- c) The entrance to the rooms is done after the handover-receipt of the laboratory with the equipment and instrumentation between the event representative and the CAPSM engineer,
- d) The schedule and timetable approved by CAPSM management will be strictly adhered to,
- e) Only authorized personnel, strictly specialized personnel, who have the approval of the CAPSM director, have access to the advanced surgical techniques laboratories. Staff must be equipped with protective equipment (gloves, gowns, eye protection, mask),
- f) Conference/workshop organisers are required to designate two responsible persons - one responsible for transport of biological material, room sanitation and garbage disposal, and one responsible for laboratory-specific emergencies - puncture, scratch, accidental abrasion, electrocution, contact with infectious material, accidental exposure to various microbial pathogens,
- g) Staff should be informed of the consequences of exposure to various substances, handling of biological material and trained in laboratory practices and procedures,



- h) The consumption of food and beverages is prohibited in the laboratories, as well as throughout CAPSM, throughout the duration of the activities,
- i) Procurement, transport, handling and neutralisation of biological material (live animals or previously harvested tissues and organs) is the responsibility of the course coordinator,
- j) The procurement, handling and return of medical gas cylinders (oxygen, carbon dioxide, helium) is the responsibility of the course organiser and the CAPSM engineer, who must work together to ensure the smooth running of the activity and avoid any accidents or incidents at work,
- k) No individual work is allowed - the rule of access and working in pairs, instructor and student/doctor, must apply,
- l) The organizers of the workshops/conferences are responsible for the hygiene of the entire circuit of living genetic material (elevator, hallways, laboratories, toilets) by providing antimicrobial and antiseptic disinfectant as well as personnel to ensure cleanliness in the designated areas,
- m) Work surfaces and instruments must be decontaminated at the end of each working day with antimicrobial and antiseptic disinfectant,
- n) Ensuring physical security against vandalism and fire is the responsibility of the workshop/conference organisers,
- o) It is forbidden to keep the organs used in the laparoscopy laboratory after the end of the activity,



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- p) At the end of the workshop/conference, the equipment, laboratory and CAPSM instrumentation will be handed over to the CAPSM engineer, who will record in the minutes any malfunctions and incidents that occurred during the activities.

- q) If the equipment is damaged or disappears through the fault of the beneficiary, the beneficiary will be directly liable and will be obliged to bear the cost of the destroyed or missing materials.

- r) CAPSM staff does not assume responsibility for possible accidents and incidents harmful to health due to improper use of instruments and equipment and due to a microclimate contaminated with micro-organisms.