

PRACTICAL SKILLS LOGBOOK

Faculty of International Medical Studies

**GEORGE EMIL PALADE UNIVERSITY OF MEDICINE, PHARMACY, SCIENCE, AND TECHNOLOGY OF
TÂRGU MUREŞ**

ACADEMIC YEAR 2026 - 2027

YEAR OF STUDY: 6

Student's Name: _____

Matriculation Number: _____

E-mail Address: _____

Hospital Name: _____

Hospital Address: _____

Tutor's Name: _____

Dear students,

We present this practical skills logbook that describes the medical activities that are part of your clinical training and all the skills you should acquire during the sixth year of study in the medical field.

This logbook will help you identify and address any gaps in your theoretical and practical knowledge and prepare you for future professional responsibilities.

Completing this logbook allows you to track your personal learning progress, the degree of achievement of the proposed items as well as to obtain continuous feedback from the clinical training supervisor. If you have found that there are gaps in your knowledge, it is important to ask for further explanation and assistance during the mandatory on-call rota.

During the clinical training programme, the clinical training supervisor or designated teacher will answer all the questions and problems you may encounter during the training hours. They will be responsible for supervising your progress in acquiring the notions related to the clinical training.

Please fill in this logbook as required and have the signatures and seals of the doctors for the skills acquired, as this logbook will be collected, reviewed, and evaluated by us. You will be admitted to the graduation examination only after this logbook has been correctly and fully completed.

To continuously improve the teaching process, your constructive feedback is very important and, therefore, we recommend that you also complete the evaluation chapter at the end.

We wish you a pleasant clinical experience this academic year!

The teaching staff of the **Faculty of International Medical Studies**

George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Târgu Mureș

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A. GENERAL INFORMATION

Important information regarding organisation and procedures during clinical training can be found on the UMFST website and on the Blackboard platform:

<https://umfst.ro>

If you have any questions regarding the organisation of your clinical year, please contact the Dean's Office; they will be pleased to assist you.

Please respect the scheduled practical activities in the hospital and, if necessary, seek individual guidance from your tutors.

General objectives:

- Develop the ability to care for patients individually, under the supervision of medical teaching staff
- Foster a sense of responsibility towards patients and colleagues
- Develop practical skills in the context of relevant theoretical knowledge
- Development of communication, social and emotional skills
- Integrate relevant differential diagnoses into everyday medical practice
- Apply problem-solving medical approaches
- Establish a working diagnosis on clinical grounds

For the protection of your patients, you must have adequate immunity to mumps, measles, rubella, diphtheria, varicella (chickenpox), and pertussis (whooping cough). For your own protection, you should be vaccinated against Hepatitis B and, if possible, Hepatitis A.

In accordance with Art. 20 of Law 46/2003 (Patient Rights Law) it is strictly forbidden to photograph/film patients, medical documents and personal data within healthcare units without their consent, except in cases where images are necessary for diagnosis, treatment or to avoid suspicion of medical negligence.

Coordinators of the clinical disciplines in the curriculum of the sixth year of study

Discipline	Coordinator	Contact Details
Infectious Diseases		
Family Medicine		
Psychiatry		
Neonatology		
Obstetrics and gynaecology		

B. Clinical Training - Medical Specialties

1. Infectious diseases

Semester 1 or 2

Number of course hours: 42 hours/semester

Number of hours of clinical training: 90 hours/semester

- 6 weeks (Semester 1 or 2)

Practical activities in hospitals: 90 teaching hours/semester

Topics Minimum standard - 3 clinical cases/topics	Patient's initials/ Observation sheet Record number	Signature and seal of the supervisor
Respiratory infections • SARS-CoV-2 virus • Influenza virus infection		
Infections in immunocompromised (non-HIV) patients • Infections in special patient categories (patients with implanted medical devices, intravenous drug users, burns, cirrhosis, diabetes). • Febrile neutropenia • Infections in transplant patients		
Acute viral hepatitis • Hepatitis B, C, E virus infections		
HIV infection • Opportunistic infections (meningitis, cerebral toxoplasmosis, Pneumocystis pneumonia)		

Nervous system infections • Acute encephalitis (infectious and post-infectious, post-vaccination) • Polyradiculoneuritis • Acute infectious myelitis • Paralytic neuro-tropic viral infections • Brain abscess • Acute meningitis - bacterial, viral, fungal and tuberculous		
Nosocomial digestive infections • Clostridioides difficile infection		
Acute infectious diarrhoea • Bacterial infections of the digestive tract (E.coli, Campylobacter, Yersinia, Salmonella). • Foodborne toxicoinfections (food poisoning)		
Systemic infections • Sepsis • Systemic fungal infections		
Healthcare-associated infections • Bronchopulmonary infections • Urinary tract infections • Wound infections		

Optional practical skills*:

No.	Date	Description of clinical experience
1.		
2.		
3.		
4.		
5.		

* - not a mandatory requirement for the practical exam.

2. Family Medicine

Semester 1 or 2

Number of course hours: 28 hours/semester

Number of hours of clinical training: 45 hours/semester

- 3 weeks (Semester 1 or 2)

Practical activities in the family medicine practice: 45 hours/semester

Topics: Minimum standard - 3 clinical cases/topic	Patient's initials/ Observation sheet/ Record number	Signature and seal of the supervisor
Introduction: 1. Family medicine - general concepts, objectives and principles of family medicine, skills necessary for the practice of family medicine, services provided, management of the family medicine practice, and the information system used in family medicine. 2. The relationship of the family doctor with the National Health Insurance House and other structures of the health system, as well as with doctors from other specialties. 3. Prevention in <i>Family Medicine</i>, the notion of risk, risk management. Presentation of the family medicine practice, medical files, medical practice management, coordination of the work team.		
• The cardiovascular system. Primary hypertension, secondary hypertension - the approach from the point of view of family doctors. Ischemic heart disease - general principles, diagnosis, treatment.		
• The cardiovascular system. Rhythm and conduction disorders - assessment of patients with arrhythmias, assessment of cardiac arrhythmias, treatment options of cardiac arrhythmias.		

• The cardiovascular system. Valvular heart pathologies - defining the severity of valvular disease, stages of valvular cardiopathy, key points of treatment, pharmacological therapy and planning of surgical intervention. Peripheral vascular disease in family medicine - peripheral arterial disease, venous pathologies (varicose veins, deep vein thrombosis, superficial vein thrombosis).		
• The cardiovascular system. Heart failure - monitoring and management of patients with heart failure.		
• Endocrine and metabolic system. Diabetes mellitus - the diabetic patient in the practice of family medicine: assessment, monitoring, nutrition, sedentary lifestyle (obesity/dyslipidaemia), smoking - preventive management.		
• Respiratory system - assessment, diagnosis, viral infections, pneumonia, patient with chronic lung disease in the practice of family medicine.		
• Rheumatological diseases in family medicine - primary diagnosis, multidisciplinary approach to pain management, long-term pulmonary therapy.		

● Renal system - frequently encountered pathologies in family medicine.		
● Digestive system. Gastroenterological disorders in the practice of family medicine - prevention, diagnosis and synthesis of diagnostic and therapeutic management in family medicine.		
● Circulatory and hematopoietic system - approaches within family medicine, pain therapy and palliative medicine.		
● Immunisation - a practical approach in family medicine. Immunisation plan for children and adults. Risk groups.		
● Medical and surgical emergencies in family medicine. Handling emergencies in the family medicine practice.		

Optional practical skills*:

No.	Date	Description of clinical experience
1.		
2.		
3.		
4.		
5.		

* - not a mandatory requirement for the practical exam

3. Psychiatry

Semester: 2

Number of course hours: 28 hours/semester

Number of hours of clinical training: 45 hours/semester

- 3 weeks (Semester 1 or 2)

Practical activities in hospitals: 45 hours/semester

Topics		
General Medical Skills		
• Recording of anamnesis and heteroanamnesis in the case of the psychiatric patient in the medical file/observation sheet • Recording of the general and psychiatric history		
• Psychiatric examination – assessment of the mental state (up to the stage of permitting a detailed description of the disease, including the results of the medical and neurological examination, active participation in the demonstration of psychological tests, and evaluation of their results) ○ Assessment of consciousness and temporo-spatial orientation ○ Assessment of perception ○ Assessment of memory and attention ○ Assessment of cognitive processes ○ Assessment of mood and disposition ○ Assessment of behaviour ○ Assessment of sleep pattern ○ Personality assessment ○ Psychological tests (MMSE scale) ○ Indication for admission to the psychiatric ward (assessment of risk situations, explanation of patient rights) ○ Indications for psychotherapy (using a simple psychotherapeutic procedure – agreement with the patient)		

Practical Skills <i>(students should attend or discuss one case from each topic listed below and perform a total of 15 clinical examinations)</i>		
Topics	Patient's initials/ Observation sheet/ Record number	Signature and seal of the supervisor
1. Psychotic disorders <i>Students should conduct a psychiatric interview, psychiatric history, treatment history, symptoms of the current episode. Recognize the acute exogenous reaction, symptomatic psychosis.</i> 2. Disorders caused by the use of psychoactive substances <i>Students should conduct a psychiatric interview, psychiatric history, treatment history, symptoms of the current episode. Information, prevention and therapeutic activity related to alcohol abuse, therapeutic intervention in intoxications, recognition of drug addiction, decisions in view of the actions to be taken.</i> 3. Affective disorders • Bipolar disorder • Depressive disorders <i>Students should conduct a psychiatric interview, psychiatric history, treatment history, symptoms of the current episode.</i> 4. Neurocognitive disorders <i>Students should conduct a psychiatric interview, psychiatric history, treatment history, symptoms of the current episode, determination of the severity of the condition, application of the MMSE scale.</i>		

Note:

For each clinical case, the student must perform **a minimum of 1 activity** for each of the following below:

- Auto or hetero anamnesis
- Mental status assessment
- Indications for admission or transfer to another medical specialty
- Psychiatric emergencies (dangerous situations)
- Basic principles of treatment
- Indication of specific psychotherapy

Optional practical skills*:

No.	Date	Description of clinical experience
1.		
2.		
3.		
4.		
5.		

*- not a mandatory requirement for the practical exam.

4. Neonatology

Semester: 1 or 2

Number of course hours: 14 hours/semester

Number of hours of clinical training: 30 hours/semester

- 2 weeks (Semester 1 & 2)

Practical activities in the hospital: 30 hours/semester

Practical activities in hospitals Topics: Minimum standard - 1 clinical case / topic	Patient's initials/ Observation sheet/ Record number	Signature and seal of the supervisor
General medical skills Required: Students must see at least one case for each exam topic! (Emergency Department, Hospital or Outpatient/Practice)		
1. Initial care of the newborn in the delivery room and preparation of the delivery equipment. Resuscitation at birth. The initial stages. Positive pressure ventilation. Chest compression. Intubation, medication, special situations, ethical issues. The concept of golden minute, golden hour.		
2. Clinical examination of the newborn. Estimation of gestational age and classification of the newborn based on the Ballard score, Lubchenko/Fenton curves, the specific presentation scheme of a healthy newborn with the completion of the neonatal patient's medical record/observation sheet after a correct anamnesis/anamnesis from the parent/midwife/obstetrician/neonatal assistant of the newborn and structured physical examination of the newborn.		
3. Rooming-in system for healthy newborn care. 4. Neonatal screening (pulse oximetry, metabolic diseases, hip dysplasia, hearing tests). Vaccinations in the maternity ward. Discussions with parents about the importance of neonatal screening and vaccination.		
4. Neonatal condition: Case 1. Premature baby with respiratory distress syndrome (RDS). Initial stabilisation of the premature infant. Surfactant management strategies. Ventilatory support. Early and late complications of prematurity and RDS (intraventricular haemorrhage, hypoxemia, infections, necrotizing enterocolitis, retinopathy of prematurity, chronic lung disease).		
5. Neonatal condition: Case 2. Congenital pneumonia. Group B streptococcal infection (prophylaxis and management protocol). Evaluation of the newborn with suspected congenital pneumonia.		
6. Neonatal condition: Case 3. Congenital heart defects. Management of the newborn with a suspected critical congenital heart defect. Initial diagnosis and stabilisation algorithm.		
7. Neonatal condition: Case 4. Neonatal jaundice. Evaluation of the newborn with jaundice. Algorithm for diagnosing neonatal jaundice. Management of neonatal jaundice. Phototherapy, transfusion exchange, administration of human albumin and non-specific human immunoglobulin.		

COMPETENCES: HISTORY / EXAMINATION / MANAGEMENT PLAN	EXPECTED LEVEL OF COMPETENCE	Signature and seal of the supervisor
	1. Below expectations 2. Adequate 3. Excellent	
1. Get a complete history after introduction and informed consent by asking relevant questions to arrive at a differential diagnosis based on history.		
2. Perform a complete physical exam with a detailed examination of the organ system involved		
3. Skilfully present the patient's history and the results of the physical examination in a systematic, coherent and concise manner, addressing the main complaint/issue, identifying pertinent positive and negative findings and reaching a logical conclusion		
4. Arrange a comprehensive list of differential diagnoses		
5. Develop a diagnostic plan, selecting the appropriate investigations for the patient		
6. Design a treatment plan considering the risk/benefit ratio of treatment options and available resources		
7. Effective communication with the patient's family regarding the differential diagnosis, investigations and expected treatment options and prognosis		
8. Respect the cultural and ethnic diversity of their patients' beliefs		
9. To show honesty, integrity, respect, and compassion for the patient and family		

No.	Type of intervention-procedure/ Practical skills	Patient's initials/ Observation sheet/ Record number	Signature and seal of the supervisor
I	PROCEDURAL SKILLS:		
	1. Blood pressure and heart rate evaluation 2. Blood glucose measuring with the glucose meter 3. Venous blood sampling+/-blood culture collection 4. Arterial blood gases (sampling) 5. Urine dipstick test 6. Swab sampling (nose, throat, skin or wound) 7. Lumbar puncture 8. POCUS (POINT-OF-CARE ULTRASONOGRAPHY)		
II.	PATIENT CARE SKILLS:		
	1. Perform surgical scrub 2. Set up an infusion 3. Use of correct movement and handling techniques, including fragile patients		
III.	PRESCRIPTION SKILLS:		

	1. Training of the patient's parents in caring for premature/sick newborn 2. Prescribe and administer oxygen (free flow, through CPAP, high flow, ventilation) 3. Prepare and administer injectable medications (intramuscular, subcutaneous, intravenous)		
IV.	THERAPEUTIC PROCEDURAL SKILLS:		
	1. Performing intravenous cannulation 2. Carrying out safe and appropriate blood transfusions/transfusion exchanges 3. Performing male and female urinary catheterisation 4. Perform wound care and basic wound closure and dressing, including umbilical clamping and dressing at birth. 5. Perform nasogastric tube placement 6. Use of local anaesthetics 7. Interpretation of X-rays of the upper and lower limbs, chest, abdomen and pelvis 8. Interpretation of ultrasound images of the head 9. Should be able to perform essential life-saving procedures (neonatal resuscitation) 10. Nutritional assessment (plotting on intrauterine growth charts and postnatal evaluation)		

Optional practical skills*:

*- not a mandatory requirement for the practical exam.

No.	Date	Description of clinical experience
1.		
2.		
3.		
4.		
5.		

D. Clinical Training - Surgical Specialties

1. Obstetrics - Gynaecology

Semester: 1 or 2

Number of course hours: 56 hours/semester

Number of hours of clinical training: 105 hours/semester

- 7 weeks (Semester 1 or 2)

Practical activities in the hospital: 105 hours/semester

Topics: Minimum standard - 2 clinical cases/topic	Patient's initials/ Observation sheet Record number	Signature and seal of the supervisor
Obstetrics:		
• Prenatal care of healthy pregnant women. • Maternal changes during pregnancy		
First-trimester reproductive failure: • Ectopic pregnancy • Miscarriage / Spontaneous abortion • Hydatidiform mole		
• Eutocic birth • Normal labour • Labour monitoring		

Obstetrics:		
- Placenta previa - Abruptio placentae		
- Postpartum haemorrhage - Uterine rupture - Amniotic fluid embolism		
- Foetal distress. Foetal intrauterine growth restriction - Abnormalities of pregnancy duration: premature birth, postmaturity		
- Caesarean section - Vaginal birth after caesarean section		
Maternal pathologies associated with pregnancy: - Pregnancy-induced hypertension - Gestational diabetes - Maternal-foetal isoimmunisation		

Gynaecology		
- Precancerous lesions of the cervix - Cervical cancer - Precancerous lesions and vulvar cancer - Adnexal tumours - Ovarian cancer - Endometrial cancer		
- Menstrual (cycle) disorders - Endometriosis		
- Pelvic floor disorders - Urinary incontinence		
- Chronic pelvic pain - Pelvic inflammatory diseases - Sexually transmitted diseases		

Gynaecology		
• Uterine benign conditions • Uterine fibroid		
• Family planning and contraception • Voluntary termination of pregnancy		

Optional practical skills*:

No.	Date	Description of clinical experience
1.		
2.		
3.		
4.		
5.		

* - not a mandatory requirement for the practical exam

D. Activities during on-call duties

During an academic year, students must perform a minimum number of 4 calls of 12 hours (according to the Teaching Regulations in force) in accordance with the clinical trainings related to each module.

No	Date	Time Slot	Clinic	Signature and seal of the doctor on duty
1				
2				
3				
4				

Practical activity during on-call duties (minimum 1 clinical case/call)

Clinical case (1)	
Last Name First Name / OS No.:	
History and symptomatology • Major symptoms • Personal physiological and pathological history • Hereditary and collateral history	

• Medication • Behaviour and social aspects	
Physical examination (relevant to current condition)	
Laboratory results	
Imaging	
Primary diagnosis	
Differential diagnosis	
Therapeutic plan	
Prognostic	

Optional learning experiences*:

No.	Date	Skills acquired while on duty
1.		
2.		
3.		
4.		
5.		

* - not a mandatory requirement for the practical exam.

** - Examples of skills: patient monitoring, injections, dressings, wound cleaning and suturing, etc.

Clinical case (2)	
Last Name First Name / OS No.:	
History and symptomatology • Major symptoms • Personal physiological and pathological history • Hereditary and collateral history • Medication	

Behaviour and social aspects	
Physical examination (relevant to current condition)	
Laboratory results	
Imaging	
Primary diagnosis	
Differential diagnosis	
Therapeutic plan	
Prognostic	

Optional learning experiences*:

No.	Date	Skills acquired while on duty
1.		
2.		
3.		
4.		
5.		

* - not a mandatory requirement for the practical exam.

** - Examples of skills: patient monitoring, injections, dressings, wound cleaning and suturing, etc.

Clinical Case (3)	
Last Name First Name/ OS No.:	
History and symptomatology - Major symptoms - Personal physiological and pathological history - Hereditary and collateral history - Medication	

Behaviour and social aspects	
Physical examination (relevant to current condition)	
Laboratory results	
Imaging	
Primary diagnosis	
Differential diagnosis	
Therapeutic plan	
Prognostic	

Optional learning experiences*:

No.	Date	Skills acquired while on duty
1.		
2.		
3.		
4.		
5.		

* - not a mandatory requirement for the practical exam.

** - Examples of skills: patient monitoring, injections, dressings, wound cleaning and suturing, etc.

Clinical case (4)	
Last Name First Name/ OS No.:	
History and symptomatology - Major symptoms - Personal physiological and pathological history - Hereditary and collateral history - Medication	

Behaviour and social aspects	
Physical examination (relevant to current condition)	
Laboratory results	
Imaging	
Primary diagnosis	
Differential diagnosis	
Therapeutic plan	
Prognostic	

Optional learning experiences*:

No.	Date	Skills acquired while on duty
1.		
2.		
3.		
4.		
5.		

* - not a mandatory requirement for the practical exam.

** - Examples of skills: patient monitoring, injections, dressings, wound cleaning and suturing, etc.

Clinical Case (5)	
Last Name First Name/ OS No.:	
History and symptomatology - Major symptoms - Personal physiological and pathological history - Hereditary and collateral history - Medication	

Behaviour and social aspects	
Physical examination (relevant to current condition)	
Laboratory results	
Imaging	
Primary diagnosis	
Differential diagnosis	
Therapeutic plan	
Prognostic	

Optional learning experiences*:

No.	Date	Skills acquired while on duty
1.		
2.		
3.		
4.		
5.		

* - not a mandatory requirement for the practical exam.

** - Examples of skills: patient monitoring, injections, dressings, wound cleaning and suturing, etc.

Clinical Case (6)	
Last Name First Name/ OS No.:	
History and symptomatology - Major symptoms - Personal physiological and pathological history - Hereditary and collateral history - Medication	

Behaviour and social aspects	
Physical examination (relevant to current condition)	
Laboratory results	
Imaging	
Primary diagnosis	
Differential diagnosis	
Therapeutic plan	
Prognostic	

Optional learning experiences*:

No.	Date	Skills acquired while on duty
1.		
2.		
3.		
4.		
5.		

* - not a mandatory requirement for the practical exam.

** - Examples of skills: patient monitoring, injections, dressings, wound cleaning and suturing, etc.

Clinical case (7)	
Last Name First Name/ OS No.:	
History and symptomatology - Major symptoms - Personal physiological and pathological history - Hereditary and collateral history - Medication	

• Behaviour and social aspects	
Physical examination (relevant to current condition)	
Laboratory results	
Imaging	
Primary diagnosis	
Differential diagnosis	
Therapeutic plan	
Prognostic	

Optional learning experiences*:

No.	Date	Skills acquired while on duty
1.		
2.		
3.		
4.		
5.		

* - not a mandatory requirement for the practical exam.

** - Examples of skills: patient monitoring, injections, dressings, wound cleaning and suturing, etc.

Clinical Case (8)	
Last Name First Name/ OS No.:	
History and symptomatology • Major symptoms • Personal physiological and pathological history • Hereditary and collateral history • Medication	

• Behaviour and social aspects	
Physical examination (relevant to current condition)	
Laboratory results	
Imaging	
Primary diagnosis	
Differential diagnosis	
Therapeutic plan	
Prognostic	

Optional learning experiences*:

No.	Date	Skills acquired while on duty
1.		
2.		
3.		
4.		
5.		

* - not a mandatory requirement for the practical exam.

** - Examples of skills: patient monitoring, injections, dressings, wound cleaning and suturing, etc.

E. STUDENT FEEDBACK

Please answer the following questions, cut out the page, and place it in the questionnaire box!

1. Describe the most interesting experiences during clinical training:

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2. Describe the most difficult experiences during clinical training:

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3. List at least 3 aspects that should be improved in the future:

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