



# **Summer Professional Practice after the 3<sup>rd</sup> year of study Faculty of Medical Sciences, Master Degree Program**



## **INTERNAL MEDICINE Program and Regulations**

**Approved by Resolution of the Faculty Council of Medical Sciences, University of Warmia and Mazury in Olsztyn  
Implemented from the academic year 2015-2016**

After the **3<sup>rd</sup> year** of the master degree program in medicine every student is obliged to undergo 120 hours (ie 4 weeks) of summer professional practice of **Internal Medicine**.

Professional practice is realized within summer months (from July 3<sup>rd</sup>, 2017 to September 3<sup>rd</sup>, 2017) and is full-time 6 hours (between 7:00 - 13:00 or 8:00 - 14:00). In addition, every student can undertake two duties in each of the departments between the hours of 14:00 and 21:00. After afternoon duty student is exempt from the classes on the next day or on the day of afternoon duty student is exempt from the morning classes. During the duty student is required to assist a physician on duty in all activities and medical procedures. The Student takes part in the admission of patients (emergency room) performs / assists during the life-saving treatments, attends medical appointments in the afternoon.

Summer Professional Practice of **Internal Medicine** is aimed on improving and strengthening practical skills and learning outcomes acquired during the academic year, regarding the doctor's daily activities. In addition, professional practice either lets and requires the active participation in the procedures and responsibilities of physician.

The practice must happen in an accredited clinic or internal medicine wards.

At the end of the professional summer practice in a clinic / department of **Internal Medicine** student is required to write a one-page (about 400 - 500 words) essay including personal reflections about the professional and / or unprofessional behavior that was met by student during realization of summer professional practice. The essay is evaluated by the coordinator of summer professional practice for 3<sup>rd</sup> year – **Mr Rakesh Jalali, MD, PhD**.

## Student supervision:

Supervisor of summer practice is chosen by the head of the clinic / ward. The Supervisor of practice is responsible for:

- implementation of the summer practice program;
- evaluation of summer practice by grading the individual skills and treatments
- evaluation of the student reliability and professionalism.

The student is under direct supervision of a nurse, chosen by the head of the clinic / ward.

After the practices a student is obliged to write essays (each of 400-500 words) after each of cycles – **Internal Medicine**, the essays should be dedicated to professional and unprofessional behavior that he or she observed during the practice, own thoughts.

The final evaluation and completion of the summer practice is made by the tutor and coordinator of the summer practice **Mr Rakesh Jalali, MD, PhD** chosen by the Dean of the Faculty of Medical Sciences. In all contentious issues the student may contact the above named coordinator of summer practice.

All other questions and problems are solved by Vice Dean for Education, **Mr Rakesh Jalali, MD, PhD**.

During the summer practice the student can be inspected by the authorities of Faculty or University.

The student is required to mark in his/her individual summer practice record book all performed activities and treatments as well as all the skills acquired during summer practice. Implementation of any of the above mentioned activities, treatments and procedures must be approved by the signature of the person who supervised the execution of the procedure (nurse, ward nurse, physician) and must be evaluated on a scale of 2.0 to 5.0 where:

For each ability a student receives from 0 – 2 points, where:

**0 points** – lack of or incorrect implementation of abilities/procedures

**1 point** – the ability/procedure is partially or incorrectly implemented, but satisfactorily

**2 points** – the ability /procedure is correctly implemented

Professionalism of a student is also assessed during practices:

**0 points** – student proceeds and behaves unprofessionally

**1 point** – student proceeds and behaves satisfactorily

**2 points** – student proceeds and behaves professionally

For professionalism the student receives the grades:

**5.0. – very good** – when he/she receives 30-27 points

**4.0. – good** – when he/she receives 26-21 points

**3.0. – satisfactory** – when he/she receives 20-15 points

**2.0. – insufficient** – when he/she receives 14 points and less

A student may receive the given grades for Summer Practices in the field of **Internal Medicine**:

**2.0 - insufficient, no/incorrect procedure** – implementation of 5% or less abilities/procedures (104 points and less), lack of professionalism (less than 15 points), lack or incomplete essay

**3.0 – satisfactory**-the abilities **(105-119 points)** + professionalism on satisfactory level **(20-15 points)**, an essay

**4.0 – good** – the abilities **(120-135)** + professionalism on satisfactory level **(26-21 points)**, an essay

**5.0 - very good** – the abilities **(more than 135 points)+** professionalism on the very highlevel **(30-27)**, an essay

If the grade of one of the parts is lower – the final grade is also half grade lower

At the end of the summer practice student is required to write one-page (about 400 - 500 words) essay about the professional and/or unprofessional behaviors with which he/she met during the summer practice (own reflections). The essay is evaluated by the coordinator of summer practice for the 3rd year- **Mr Rakesh Jalali, MD, PhD**.

Summer practice record book with student individual evaluation skills and procedures card must be submitted to the Dean's Office with index no later than 15th September 2017. Failing the summer practice according to the Regulation of study, will effect not passing the 3rd year and the removal from students list.

**The requirement to pass summer practice after first year of medical studies is a confirmation of obtained skills, listed in the detailed summer practice program. Every skill or procedure needs to be confirmed with a final grade. Additionally, the professionalism and the reliability of the given tasks are also graded. The final grade for the summer practice is total score of the above named grades, issued by the coordinator of summer practice Mr Rakesh Jalali, MD, PhD . the grade should be also visibile in the USOS system.**

**During the summer of professional practice of Internal Medicine at the 3<sup>rd</sup> year master degree program in Faculty of Medicine, each student is required to:**

1. get acknowledged with the organization and specific work in a ward of internal medicine
2. get acquainted with the basic procedures within the department and with the obligations of the staff: eg research, diagnosis and care of the patient internal medicine (ie keeping for adoption, residence, departure the patient, etc., conducting physical examination and subjective, case history, diagnosis, treatment, etc.)
3. participate in daily medical report (information about patients after night duty, newly admitted patients, etc.)
4. participate in medical rounds
5. present patient's vital signs during medical rounds (including the parameters of pressure, pulse, temperature, urine, bowel movements, characteristics and features of the secretions, ie, the type and amount of liquids such as drains, etc.)

6. present the current state of the patient and the progression of the disease: progression / regression
7. improvement of the physical examination, the patient's history and physical examination (previously acquired skills), with particular emphasis and focus on a diagnosis and selection of the initial laboratory tests in terms of differential diagnosis and recommendations of individual
8. observe and monitor the patient's state, with particular regard to the parameters of vital functions
9. keep the medical record in accordance with the applicable rules and procedures
10. obey aseptic and antiseptic principles
11. participate in the drawing and implementation of physician orders - take notes, monitor, complete an individual orders card under the supervision and participate in the administration of drugs, etc..
12. participate in the preparation and balancing the diet of the patient.
13. participate in the preparation of the patient to invasive/non-invasive diagnostic testing, possible treatments , elective or by life indications surgeries
14. participate in the observation of the patient after invasive/non-invasive diagnostic testing, etc.
15. participate in the educational trainings in the department, get to know the principles of prophylactic in internal medicine

**Basic skills and procedures in internal medicine part 1 \***

Skills		Obligatory participation in treatments/ activities			Grade (0-2 points)	Remarks
		indep ende nt	with the assist ance/ super visio n	as an obser ver		
Follows the principles of asepsis and antisepsis	eg hygiene and disinfection					
	other					
Participates in physical examination (medical history)	General problems and complaints					
	previous history of the disease					
	family history					
Participates in physical examination (physical)	heads					
	neck					
	chest					
	abdominal cavity					
	the limbs					
Participates in completing the disease card in the area:	medical interview					
	physical examination					
	diagnostics					
	treating					
Performs a physical examination supervised by a physician, runs / completes medical history of the patient's internal medicine:	qualified for the treatment of the indications of life					
	under "ER" for a possible observation					
	for the planned treatment					
Monitors	pressure					
	pulse					
	temperature					
Monitor life parameters	glucose condensation– using eg. test strips					
	oximeter					
	vital signs monitoring					
Participation in medical rounds	examining a patient before medical round					
	check the current state of the patient					
	participate in medical rounds					

**Basic skills and procedures in internal medicine part 2 \***

Skills			Obligatory participation in treatments/ activities			Grade  (0-2 points)	Remarks
			independ ent	with the assistance / supervisi on	as an observer		
Diagnosis: participates in / plans:	biochemical tests						
	Diagno- stic tests	Chest X-ray					
		X-ray abdominal cavity					
		ultrasound					
		TK					
		RM					
	ECG						
	echocardiogram heart						
	helps to prepare / prepare a patient for examination						
endoscopic							
Examines course of / attempts to interpret the results of diagnostic tests:	image tests: chest X-ray						
	X-ray abdominal cavity						
	Study: ECG, echocardiogram						
	laboratory						
	pathological examination						
	peripheral blood preparations						
	other						
Knows how to	assess the current status of the patient						
	assess the patient's mental and physical condition						
	assess the state of hydration / dehydration						
	assess daily fluid balance						
	determine the amount necessary to make up for a shortage of liquid						
Understands basic pathogenesis of diseases							
Recognizes the fundamental causes of disease							
Knows and differentiates the core symptoms of the most common diseases							
Varies basic disease entities in particular states of emergency							
Evaluates the patient's physical and psychological condition							
Attempts to put a proper identification and diagnosis							
Suggests treatment regimen							
Knows the indications for the treatment of irrigation							

Basic skills and procedures in internal medicine part 3\*

Skills		Obligatory participation in treatments/ activities			Grade  (0-2 points)	Remarks
		independent	with the assistance/ supervision	as an observer		
Knows the rule of:	patient care					
	diet of the patient with diabetes mellitus					
	hypercholesterolemic diet of the patient					
	first aid					
Knows the rules for the collection / protection material for diagnostic tests	arterial blood					
	capillary blood					
	venous blood					
	blood for culture					
	urine					
	fluid					
	contents of stomach / duodenal					
	swabs					
Knows the rules / arranges / performs venipuncture and injection	subcutaneous					
	administration of insulin: how to use the pen, insulin pump					
	intramuscular					
	Intravenous, peripheral					
	the large veins / central					
Shows the initial diagnosis						
Proposes and recommends additional research						
Presents differential diagnosis						
Presents a treatment plan						
Conducts and completes the daily observation of the patient, regarding knowledge of electronic systems for hospital						
Participates in consultation with a doctor in surgery Clinic / Department of internal medicine in other branches						
Knows the rules of administration / recommended drug / fluid in the intravenous drip						
Changes the dressing						
Realizes medical orders						



**Basic skills and procedures in internal medicine part 4\***

Skills		Obligatory participation in treatments/ activities			Grade (0-2 points)	Remarks
		independent	with the assistance/ supervision	as an observer		
Instructs / performs basic procedures and treatments	oxygen therapy					
	assisted ventilation and substitute					
	spirometry					
	introduction of oropharyngeal					
	gastric lavage					
	bladder catheterization					
Knows the rules / Participates in / performs:	unsubscribe requirements for blood / blood products					
	Procedures of transfusion for the above-mentioned preparations					
	transfusion of blood products					
	drainage of the pleural cavity					
	drainage of the peritoneal cavity					
	puncture of the pericardium					
	Bone marrow puncture					
	Assumption of a central catheter site					
	Central catheter flushing					
	FNA					
	viewing and analysis of peripheral blood preparations					
	prescription					

Evaluation is made by the manager / tutor of the practice in the ward/department where the practice is realized

.....  
(Stamp of the department/unit)

.....  
(signature and stamp of the supervisor of the practice)

## Evaluation of student professionalism\*

	POINTS 0-2point				Remarks
External appearance (eg ID, clean, ironed coat)					
Punctuality					
Motivation and involvement					
Reliability of executed commands and activities					
Knowledge and ability to use of medical terminology					
The ability to apply medical knowledge					
Ability to present and discuss cases					
The ability to communicate with patients					
Ability to communicate with staff					
Ability to plan work					
Professional behavior					
Empathy					
Adherence to ethical principles					
Assessment of progress in carrying out tasks					
The potential for professional development and scientific					
<b>Total score:</b>					

\* Evaluation is made by the manager / tutor of the practice in the ward/department where the practice is realized

.....  
(signature and stamp of practice supervisor)

.....  
(Stamp of the ward/ department where the practice was made)

Students are evaluated on the scale from 1 to 5 (1 - insufficiently → 5 - very good):  
new knowledge, participation and involvement to the summer professional practice  
logistical and substantive preparation of the ward where the practice is realized

- .....  
- .....

.....  
(signature of the student)

Student's personal reflections about professional and / or unprofessional behaviors that were encountered during the implementation of Summer Professional Practice for the ***Internal Diseases*** (one typewritten page of 400-500 words).



## **Certification of Summer Professional Practice**

### **INTERNAL MEDICINE**

#### **in basic skills and treatments**

Student of the 3<sup>rd</sup> year of medicine (6-year Master degree program) on the Faculty of Medical Sciences  
at University of Warmia and Mazury,

Mr/Ms .....  
completed Summer Professional Practice consistent with the above-mentioned 120 hours program,  
held from ..... to ..... 2017 year.

.....  
(Stamp of the ward/ department where the practice was realized)

.....  
(signature and stamp of practice supervisor)

**Final evaluation:** .....

\* Evaluation is made by the manager / tutor of the practice in the ward/department where the practice is realized

.....  
(signature and stamp of the UWM practice coordinator)