

**NAME OF THE STUDENT:**

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## **PROGRAMME OF 6<sup>th</sup> YEAR PRACTICUM BLOCKS (Internship)**

The aim of the practicum is to ensure that students spend a continuous period of time in a department in order to thoroughly study the work done there, the care of patients and the work of doctors and nurses. Students are required to play an active part in the care of patients and gradually acquire all the clinical and laboratory techniques that may be essential in their future job. Furthermore, during the practicum, students should learn how to follow up cases. They should also improve manual and observation skills as well as logical thinking in making diagnoses. Their ability to establish a good relationship with patients is also to be developed during the course. The practicum is held in various clinical departments and teaching hospitals. On the first day of the course, the director of the hospital, the head physician of the department or the doctor in charge of the practical course informs the students of the organizational structure and function of the hospital. S/he calls the students' attention to the local traditions and expectations.

Students spend different period (30 hours a week) of practical session, depending of the subject, in the departments where they fulfil the specified requirements under the supervision of a tutor.

The lecture book of practical blocks provides a guideline to the student on the requirements he/she should comply well during the 6th academic year (internship) of his/her training and on the basic knowledge and skills he/she has to acquire on the given speciality during the gradual training. The level of knowledge and skills to be learned is graded as follows:

O: student has observed the given intervention

P: student has performed the given intervention

Participation: Student attends the intervention and (if possible) actively contributes. The lecture book may specify the expected number of interventions to be performed.

The completion of the course is fully certified and assessed in this practicum-book. It is also certified by signature of the tutor. In case of spending the practice outside of Hungary, to have a letter about the completion from the hospital is required with the official letterhead paper. This letter should be send directly to Debrecen University by post.

**6<sup>th</sup> year**  
**INTERNAL MEDICINE**  
**10 weeks**

**requirements of the internship**

\*It can be carried out in the Center for Medical Simulation

SKILLS IN INTERNAL MEDICINE	LEVEL OF LEARNING	SIGNATURE OF THE TUTOR
Taking medical history (hetero- and auto-anamnesis)	P	
Active participation in rounds	P	
Physical examination	P	
Blood pressure measurement (at least 20 occasions)	P	
Participation in diagnostic planning	O	
Participation in treatment planning	O	
Filling in bed-head charts, recording status	P	
Getting acquainted with dietetics, dietetic counselling	P	

SKILLS IN INTERNAL MEDICINE	LEVEL OF LEARNING	SIGNATURE OF THE TUTOR
Reporting on the patient's medical records	P	
Performing ECG examination, individual evaluation of at least 10 ECG records	P	
Evaluation of Holter-monitoring	O	
Evaluation of ABPM examination	O	
Basic Life Support	O	
Using manual defibrillator*	P	
Advanced life support*	P	
Gastroscopy	O	
Sengstaken-Blakemore/Linton blow-pipe taking in*	P	

SKILLS IN INTERNAL MEDICINE	LEVEL OF LEARNING	SIGNATURE OF THE TUTOR
Colonoscopy	O	
Determination of blood type	P	
Treatment of wounds, dressing	P	
Indications of ultrasound examinations, evaluation of records	O	
Indications of chest X-ray, and native X-ray of the abdomen	O	
Echocardiography	O	
Insertion of peripheral venous devices (e.g. branula), preparation of infusion-related equipment	P	
Insertion of bladder catheter	O	
Blood sampling for diagnostic purpose	P	
Giving intramuscular injection	P	
Performing and evaluating bedside laboratory testing	O	

SKILLS IN INTERNAL MEDICINE	LEVEL OF LEARNING	SIGNATURE OF THE TUTOR
Performing and testing blood smear	P	
Bleeding time determination	O	
Performing rectal digital examination	P	
Taking blood for blood-gas analysis, evaluation of records	P	
Evaluation of laboratory test results	P	
Bedside blood glucose level measurement	P	
Abdominal puncture	O	
Haemodialysis	O	
Setting the mechanical ventilation parameters	O	

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**6<sup>th</sup> year**  
**PEDIATRICS**  
**7 weeks**  
**requirements of the internship**

PAEDIATRICS SKILLS	LEVEL OF LEARNING	EXPECTED QUANTITY	SIGNATURE OF THE TUTOR
Taking medical history (hetero-anamnesis)	P	<b>10</b>	
Filling in medical charts	P	<b>5</b>	
Filling in bed-head charts	P	<b>10</b>	
Physical examination of children	P	<b>10</b>	
Physical examination of infants	P	<b>10</b>	
Obtaining blood pressure (4-extremities) in infants and children	P	<b>3</b>	
Use and evaluation of percentile-tables	P	<b>3</b>	
Examination of the urine sediment	P	<b>3</b>	
Management of febrile conditions	O		



PEDIATRIC SKILLS	LEVEL OF LEARNING	EXPECTED QUANTITY	SIGNATURE OF THE TUTOR
Preparing plans for antibiotic treatment	O		
Iv. injection administration	P		
Po. and parenteral rehydration planning	O	<b>3</b>	
Preparing plans for correction of electrolyte and acid-base disturbances	O	<b>3</b>	
Evaluation of the chest X-ray	O		
Symptoms of upper and lower respiratory infections	O	<b>3</b>	
Differential diagnosis and treatment of diseases causing stenosis of the upper respiratory tract	O	<b>3</b>	
Anticonvulsive therapy	O	<b>1</b>	
Differential diagnosis of acute abdomen	O	<b>1</b>	
Evaluation of mental and motoric development	P	<b>3</b>	

PEDIATRIC SKILLS	LEVEL OF LEARNING	EXPECTED QUANTITY	SIGNATURE OF THE TUTOR
Nutrition of infants	P	3	
Differential blood analysis	P	3	
Blood type analysis	P	1	
Recording and evaluating ECG	P	3	
Gastric lavage	O		
Differential diagnosis with exudate throat	O		
Differential diagnosis of infectious diseases with exanthemas	O		
Treatment of status asthmaticus (life threatening exacerbation of bronchial asthma)	O		
Care of healthy newborn	O		

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**6<sup>th</sup> year**  
**SURGERY**  
**5 weeks**  
**requirements of the internship**

	LEVEL OF LEARNING	EXPECTED QUANTITY	SIGNATURE OF TUTOR
General surgery			
Surgical history	P	5	
Physical examination	P	5	
Rectal examination	P	5	
Establishment of surgical indication	O	1	
Preparation of patient for the operation	O	1	
Evaluation of imaging examinations	P	3	
Evaluation of laboratory parameters	P	5	
Confirmation of death	O	1	
Completion of report of examination of deceased person	O	1	
Administration of blood products	O	1	
Treatment of surgical wounds	P	5	
Treatment of infected wounds	P	3	

	Level of learning	Expected quantity	Signature of tutor
Removal of sutures, clamps	P	3	
Ostomy care	P	1	
Bladder catheterization	P	3	
Cannula insertion into a vein	P	5	
Basics of anaesthesiology	O	1	
Scrubbing in, behaviour in the operation room	O	1	
Observation of surgeries	P	5	
Vascular surgery	O		
Manual pulse rate examination	P	5	
Doppler pulse measurement	P	1	
Evaluation of arteriogram	O	1	
Treatment of diabetic leg	P	1	
Thoracic surgery	O		
Chest puncture, tube insertion	P	1	

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**6<sup>th</sup> year**  
**NEUROLOGY**  
**4 weeks**  
**requirements of the internship**

	LEVEL OF LEARNING	EXPECTED QUANTITY	SIGNATURE OF TUTOR OR LABORATORY HEAD
Complete neurological examination	P	4	
Simple psychiatric examination	P	4	
Examination of non-cooperative or unconscious patient (high priority)	P	4	
Glasgow coma scale	P	2	
mRankin scale	P	2	
Examination of memory, mini mental scale test	P	2	
Lumbar puncture	O	1	
Cranial and spinal X-ray	O	3	

	Level of learning	Expected quantity	Signature of tutor or laboratory head
Cranial and spinal CT, CTA	O	5	
Cranial and spinal MRI, MRA	O	3	
Carotis duplex USG, transcranial Doppler	O	3	
EEG	O	3	
Sleep examination	O	1	
EMG, ENG	O	4	
Evoked potentials	O	3	
Complete follow-up of an in-patient event	O		

<b>CONSULTATIONS</b>	<b>DATE AND TIME</b>	<b>SIGNATURE OF CONSULTANT</b>
Disturbance of consciousness		
Non- traumatic neurol disorders		



<b>CONSULTATIONS</b>	<b>DATE AND TIME</b>	<b>SIGNATURE OF CONSULTANT</b>
CNC infections		
Low back pain		
Epilepsy		
Ischemic stroke		
Hemorrhagic stroke and treatment of stroke patients		
Headache		
Parkinsonism and tasks of GP		
Neuroimmunological diseases and tasks of GP		
Polyneuropathies		
Vertigo		
Neurroradiology		
Neurosonology		
Electrophysiological tests		
Neurotraumatology		
Sleep disorders		

CONSULTATIONS	DATE AND TIME	SIGNATURE OF CONSULTANT
Patient demonstration video representation		

TITLE OF PRESENTATION:	DATE AND TIME:	VERIFIED BY:
Duty 1		
Duty 2		
Duty 3		
Duty 4		

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**6th year**  
**PSYCHIATRY**  
**4 weeks**  
**requirements of the internship**

Examination of cooperative and non-cooperative patients.

- Registration of auto- and heteroanamnesis.
- Examination of mental status (up to the level of enabling detailed description of the disease including the results of the medical and neurological examinations). Actively attend demonstrations of psychological tests, evaluation of the results.
- Decision on whether or not the patient should be referred to a psychiatric institution. Evaluation of endangering conditions. Knowledge of rules of referring rights.
- Using simple psychotherapeutic procedures. “Contract” with the patient.
- Realisation and emergency treatment (under supervision) of acute endangering conditions, crisis situation and pre-suicidal syndrome.
- Information, preventive and therapeutic activity related to alcohol abuse.
- Recognizing toxicomanias, addictive conditions; decision on the actions to be taken.
- Recognizing acute exogenous reactions, symptomatic psychoses; uncovering of causative events/processes.
- Recognizing of organic psychosyndromes, dementias; assessment of the severity of the above conditions, application of Mini Mental Test and Hachinski Ischaemic Assessment Scale.
- Recognizing endogenous mental disorders.
- Therapeutic interventions in intoxication.
- Recognition and treatment of anxiety disorders.
- Development and therapy of psychosomatic diseases.
- Recognizing somatoform and dissociative disorders.
- Recognizing obsessive-compulsive disorder.
- Sleeping disorders and their therapy.
- Personality disorders

PSYCHIATRIC SKILLS	LEVEL KNOWLEDGE	SIGNATURE OF THE TUTOR
Recording general and psychiatric history	P	
Evaluation of sense/consciousness	P	
Evaluation of realization/cognition	P	
Evaluation of orientation	P	
Evaluation of intelligence	O	
Evaluation of memory	P	
Evaluation of thought processes	P	
Evaluation of mood	P	
Evaluation of the expression of moods/affections	P	
Evaluation of behaviour	P	
Evaluation of perception	P	
Evaluation the risk of committing suicide	O	
Revealing problems with the cooperation of the patient	P	
Evaluation of MMSE	P	
Psychological examination	O	
Making the diagnosis based on the BNO and DSM IV-TR criteria	P	
Indications for admission to psychiatry ward	O	
Attending consults	P	
Occupational therapy	O	
Play therapy	O	
Creative therapy	O	

PSYCHIATRIC SKILLS	LEVEL KNOWLEDGE	SIGNATURE OF THE TUTOR
Electroconvulsive therapy	O	
Consulting	O	
Behavioural therapy	O	
Psychotherapy	O	
Applying sleep-deprivation	O	
Applying psychopharmacotherapy	O	
Recognition of intoxications	O	
Recognition of somatic disease causing psychiatric symptoms	O	

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**6<sup>th</sup> year**  
**OBSTETRICS AND GYNECOLOGY**  
**5-weeks**  
**requirements of the internship**

<i>Physical examinations</i>	Level of learning	Signature of the tutor
History of previous illnesses	P	
General physical examination	P	
Examination of the external genitalia	P	
Examination with speculum	P	
Bimanual examination	P	
Rectal examination	P	
Rectovaginal examination	P	
Onkocytologic sampling	P	
Colposcopic examination	P	
Abdominal-pelvic ultrasound examination	O	
Vaginal ultrasound examination	O	
Curettage	O	
Abortion	O	
Surgical abortion	O	
Infertility work-up	O	
Self breast examination-education	P	
Foley-catheter insertion	P	
Operative laparoscopy	O	
Counselling on contraception	P	



<i>Physical examinations</i>	Level of learning	Signature of the tutor
IUD insertion	O	
Early pregnancy risk assessment	O	
Estimation of the date of delivery using Naegele's method	P	
Correction of the EDD by Naegele's method according to the length of cycle	P	
EDD according to CRL	P	
EDD according to the first fetal movement	P	
Examination in early pregnancy	P	
Examination in the 2 <sup>nd</sup> and 3 <sup>rd</sup> trimesters	P	
Leopold-manoevres	P	
Determination of the fetal position by abdominal examination	P	
Determination of the gestational age by measuring sy-fu distance	P	
Determination of the gestational age by measuring abdominal circumference	P	
Auscultation of fetal heart sounds	P	
Defining cervical-index	P	
Performing and evaluating of CTG	P	
Performing and evaluating of NST	P	
Ultrasound examination in early pregnancy	O	
Ultrasound examination in midterm pregnancy	O	

<i>Physical examinations</i>	Level of learning	Signature of the tutor
Ultrasound examination in the 3 <sup>rd</sup> trimester	O	
Observation of a patient during labour	P	
Obstetric physical examination	P	
Bishop-score calculation	P	
Apgar scoring	P	
Conduction of the placental stage	O	
Examination of the placenta and the umbilical cord	O	
Estimating the blood loss during delivery	O	
Suturing the episiotomy	O	
Spontaneous vaginal delivery conduction	O	
Caesarean-section	O	
Physical examination in puerperium	P	

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Name of practice	Verification of completion
<b>INTERNAL MEDICINE</b>	
<b>PEDIATRICS</b>	
<b>SURGERY</b>	
<b>NEUROLOGY</b>	
<b>PSYCHIATRY</b>	
<b>OBSTETRICS AND GYNECOLOGY</b>	

