Appendix 1

Vilnius University (Logo)

PRACTICAL PREPARATION PROGRAMME OF THE MEDICAL STUDY PROGRAMME – INTERNSHIP ACTIVITY LOG BOOK

Vilnius
2017

The programme has been prepared by:

the professors of the Faculty of Medicine of Vilnius University:

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Approved by the Council of the Faculty of Medicine of Vilnius University
by Decision No. (1.1.)150000-TP-9(620)
of 19 December 2016

Appendix 1

Professional practice (Internship) site _____

Student's full name _____

PROFESSIONAL PRACTICE SCHEDULE

2019	Date	Cycle
	4–26 February	
	27 February – 22 March	
	25 March – 19 April	
	22 April – 17 May	

* Easter holiday: 15–22 April 2019.

INTRODUCTION

Practical preparation is the Internship integrated into the medical study programme at the Faculty of Medicine of Vilnius University. The Internship helps to develop, adapt and improve theoretical and practical knowledge and skills acquired while studying in the medical study programme.

During the Internship in the medical study programme, a student studies, performs general medical practice, and gains general medical knowledge, skills, and clinical experience under the supervision of the Internship supervisor at the Internship sites approved by Vilnius University.

Based on the knowledge gained in integrated medical studies, students must during this period acquire the following skills necessary for the initial medical practitioner: learn to diagnose and provide initial treatment for the main types of internal diseases, childhood diseases, surgical procedures, and gyneacological diseases and for normal pregnancy and childbirth and to learn how to diagnose emergency conditions and assist in treating them.

The Internship consists of the following four clinical cycles:

1. Internal Diseases
2. Children's Diseases
3. Surgery and Traumatology
4. Obstetrics and Gyneacology

The duration of each cycle is 3.5 weeks, but practical abilities and skills should be acquired consistently throughout all 6 years of study at the Faculty of Medicine of Vilnius University. During the Internship, a student must also acquire additional practical skills using computer simulators and additional theoretical and practical skills in resuscitation.

During each cycle, a student is allowed to work no more than two shifts. Work at night is regulated by the legal acts of the Republic of Lithuania. The duration of a week of studies and the time a student spends working shifts at the Internship site must not exceed 40 hours. After night shifts, the student receives benefits in accordance with the internal regulations of the Internship site and the legal acts of the Republic of Lithuania.

A student's work during the cycle is evaluated on a pass/fail basis and recorded in the Internship Activity Log Book. The Internship supervisor signs the Internship Activity Log Book after (s)he evaluates a student's theoretical knowledge and ensures that the student has gained all the practical skills listed in the programme (each practical skill must be approved by the doctor in charge).

The Head of the Internship site confirms that a student has carried out a full Internship programme by signing and putting the seal of the Internship site on the final evaluation sheet of the Internship Activity Log Book.

After completing the Internship, a student must take an Internship examination. A student is allowed to take the final examination of the medical study programme only after successfully passing the Internship examination.

The Internship of the medical study programme is carried out in accordance with the Internship Regulations of Vilnius University. The list of the students assigned to Internship sites is approved by order of the Dean's. Trilateral agreements must be concluded between the University, the Internship site, and the student in accordance with the order. Control of the execution of the Internship and inquiries regarding its organisation at the Faculty of Medicine of Vilnius University are allocated to a vice-dean according to his/her area of responsibility. The Internship Log Book is the only document proving the competencies and skills that a student has gained.

INTERNAL DISEASES
Programme

I. A student has to learn to diagnose and choose treatment tactics and apply primary treatment for the following general diseases and symptoms:

1. Pneumonia
2. Urticaria and Quincke's edema
3. Coronary heart diseases: silent ischemia, angina pectoris, myocardial infarction
4. Congestive heart failure
5. Acute and chronic renal failure
6. Rheumatoid arthritis
7. Anemia: iron deficiency, pernicious, hemolytic and aplastic
8. Cirrhosis of the liver
9. Diabetes
10. Ischemic and hemorrhagic stroke

II. A student has to learn to diagnose the following health care conditions and provide assistance during their occurrence in a clinical environment and/or simulation room:

1. Cardiogenic shock
2. Anaphylaxis
3. Septic shock
4. Bronchial aesthma attack
5. Massive pulmonary embolism
6. Acute respiratory failure
7. Bleeding from the lungs
8. Pulmonary edema
9. Hypertensive crisis
10. Supraventricular paroxysmal tachycardia
11. Ventricular paroxysmal tachycardia
12. Paroxysmal atrial fibrillation
13. Morgagni–Adams–Stokes syndrome
14. Angina pectoris
15. Unstable angina pectoris
16. Acute myocardial infarction
17. Dissecting aortic aneurysm
18. Acute renal failure
19. Ethyl alcohol poisoning
20. Methyl alcohol poisoning
21. Acid poisoning
22. Alkaline poisoning
23. Barbiturate poisoning
24. Carbon monoxide poisoning
25. Organic phosphate insecticide poisoning
26. Ketoacidosis

27. Hypoglycemic condition
28. Thyrotoxic crisis
29. Addisonian crisis
30. Myxedema coma
31. Coma of unknown origin
32. Disseminated intravascular coagulation
33. Acute hemolytic crisis
34. Acute liver failure
35. Hyperthermia
36. Whole body cooling
37. Initial resuscitation
38. Resuscitation after choking, being exposed to electric current, or drowning
39. Snake bite
40. Principles of special resuscitation (ventricular fibrillation and asystole and electromechanical dissociation)

Recommended literature:

1. Resuscitation Standards approved by Resolution No. V-822 of the Minister of Health of the Republic of Lithuania. 31 August 2011.
2. T. V. Kajokas, J. Šurkus, A. Stonys, R. Badaras, R. Purvaneckas, V. Kuzmickis, T. Jovaiša, R. Mačiulaitis, D. Vaitkaitis, V. Žilinskaite, J. Grebeliene. Klinikine toksikologija. Kaunas, 2002.
3. European Resuscitation Council. ERC Guidelines (https://cprguidelines.eu/). 2015 m.
4. J. Valantinas, L. Kupčinskas ir kt. Klinikinė gastroenterologija. Vilnius, Vaistų žinios, 2010.
5. R. Sakalauskas, A. Bagdonas, A. Blažiene, J. Bojarskas, E. Danila, R. Dubakiene, R. Kevalas, A. Kiziela, J. Kudzytė, P. Leišytė, Š. Mačinskas, K. Malakauskas, V. Misevičiene, R. V. Nargela, B. Šitkauskiene, A. Valavičius, L. Valius, L. Vaideliene. Vaiko ir suaugusiųjų astmos diagnostikos ir gydymo sutarimas. Metodinės rekomendacijos // Kaunas. 2007. 56 p.
6. B. Šitkauskiene, R. Dubakiene, J. Staikiiniene, R. Fimuzyte, I. Marčiukaitiene, S. Valiukevičiene. Dilgėlinės diagnostika ir gydymas // Metodines rekomendacijos. Kaunas, 2007. p. 21.
7. Ambrozaitis A. Infekcinių ligų vadovas. Vilnius, Vaistų žinios, 2010.
8. V. Budrys, et. al. Klinikinė neurologija. Vilnius, 2009.
9. E. Danila, B. Šatkauskas. Klinikinė pulmonologija. 3rd edition // Vaistų žinios. 2008, Vilnius. P. 596.
10. R. Dubakiene. Klinikinė alergologija. Vilnius, 2011, p.367.
11. R. V. Nargela, (editor), A. Bagdonas, E. Danila, K. Malakauskas, R. Sakalauskas, B. Šatkauskas, R. Zablockis. Lėtines obstrukcines plaučių ligos diagnostika ir gydymas (Lietuvos pulmonologų sutarimas) // Vilnius: Vilniaus universiteto leidykla, 2007. 49 p.
12. Šeimos medicina. Autorių kolektyvas, Vilnius, 2009, 569 p.
13. Cukrinis diabetas. Autorių kolektyvas, Vilnius, 2008, 149 p.
14. Internistas. Praktinis vadovas, 2011.
15. A. Baranauskaite, E. Eviltis, G. Labanauskaite-Šliumbiene et. al. Reumatologijos pagrindai (mokomoji knyga), Kaunas, 2010.
16. D. L. Kasper et al. Harrison's Principles of Internal Medicine, San Francisko, 18th edition 2011.
17. Harrison's manual of medicine. 18th edition, Mc Graw Hill 2013.
18. Alex M. Davison. Oxford textbook of clinical nephrology. Oxford university press,

2006.
20. Drug Hypersensitivty. Ed Piehler W.J. Karger, 2007. p. 438.
21. Global tuberculosis control: Epidemiology, strategy, financing. WHO, 2009.
22. www.uptodate.com

III. Practical skills gained in a clinical environment and/or simulation room:

Practical skills	Full name and signature of supervising doctor*	Date
1. Collection of the case history, physical examination, preliminary conclusion of the clinical assessment		
2. Interpretation of spirogram		
3. Recording and interpretation of 24-lead ECG		
4. Assessment of the composition of blood gas		
5. Assisting with pleural puncture		
6. Assisting with ascites puncture		
7. Completing medical documentation: writing different types of prescriptions, issuing certificates for sick-leave and other various certificates, etc.		
8. Measurement of blood pressure in hands and feet, determination of the ankle–brachial index		
9. Assesment of protein, sugar, acetone in urine test		
11. Insertion of oropharyngeal and nasopharyngeal airway		
12. Cleansing of mouth and nasopharynx		
13. Performing a nasopharyngeal and oral suctioning		
14. Initial resuscitation		
15. Artificial ventilation using a bag valve mask system		
16. Peripheral venous puncture and catheterization		
17. Electric heart defibrillation		
18. External electric stimulation of the heart		
19. Drug administration during resuscitation		

20. Assesment of chest X-ray		
21. Assesment of X-ray of bones and joints		
22. Assesment of echocardiogram data		
24. Interpretation of peripheral blood		
25. Interpretation of urine test		
26. Calculation and assesment of creatinine clearance		
27. Calculation of body mass index		
28. Assisting with urethral catheterization with soft catheter		
30. Objective neurological examination		

* - the doctor writes his/her full name and adds his/her signature

During the cycle the student worked:

in the inpatient department from_____to_____

_____

(name of the department)

Work shifts at the Internship site:

	Month, day, time	Department	Signature of the doctor working the shift
1.			
2.			
3.			
4.			

A PASS. The student _____has carried out the full programme of Internal Diseases.

Supervisor of the cycle _____

(full name and signature*)

* - the doctor writes his/her full name and adds his/her signature

CHILDREN'S DISEASES

Programme

I. A student has to learn to diagnose, choose treatment tactics, and administer initial treatment for the following cases of general diseases and syndromes:

1. Acute upper or lower airway obstruction
2. Acute bronchitis and pneumonia or acute respiratory failure in children
3. Children's urinary tract infections (cystitis, pyelonephritis) or fever in children
4. Children's anemia
5. Children's arrhythmias
6. Children's intestinal infections (viral origin: adenovirus, norovirus and rotavirus; bacterial origin: salmonellosis, yersiniosis, campylobacteriosis) or acute dehydration in children
7. CNS infections (viral and bacterial meningitis, encephalitis) or convulsive syndrome in children
8. Infectious exanthema (chickenpox and shingles, sudden exanthema, scarlet fever)
9. Children's meningococcal infection or septic shock in children
10. Anaphylaxis in children

II. A student has to learn to diagnose the following critical health conditions and assist in treating them in a clinical environment or/and simulation room:

1. Convulsive syndrome in children
2. Fever in children
3. Acute childhood poisoning (alcohol, carbon monoxide, medication)
4. Acute respiratory failure in children
5. Acute upper or lower airway obstruction
6. Anaphylaxis in children and anaphylactic shock
7. Septic shock in children
8. Acute dehydration in children
9. Children's abdominal pain
10. Syncope in children
11. Children's arrhythmia
12. Acute loss of conciousness and hypoglycemic coma in children
13. Resuscitation of children (initial resuscitation of children, special resuscitation of children)

Recommended literature:

1. Raugalė A. ir kt. Vaiko ligos, I tomas. Vilnius, Gamta, 2000.
2. Raugalė A. ir kt. Vaiko ligos, II tomas. Vilnius, Gamta, 2003.
3. Raugalė A. ir kt. Vaikų ligos, III tomas. Vilnius, Gamta, 2004.
4. Raugalė A. ir kt. Vaikų ligos, IV tomas. Vilnius, Vilniaus universiteto leidykla, 2005.
5. Raugalė A. ir kt. Vaiko ligos, V tomas. Vilnius, Vilniaus universiteto leidykla, 2007.
6. Raugalė A. Klinikinė pediatrijos farmakologija ir farmakoterapija. Vilnius, Vilniaus universiteto leidykla, 2008.
7. Pediatrijos praktikos vadovas. A. Raugalė, O. Kinčinienė et. al. UAB „Baltijos idėjų grupė ir partneriai", Vilnius, 2015.
8. Ragelienė L. Vaiko hematologija. Vilnius, Vaistų žinios, 2002.

9. Kėvalas R. Vaiko urgentinių būklių diagnostika ir gydymas. UAB INDIGO print, 2010.
10. Medicinos toksikologija: ūminių apsinuodijimą diagnostika ir gydymas // editor I. Šiurkus — Kaunas, 2010. — 151 p.
11. Nelson Essentials of Pediatrics, 19th edition, 2011 // eds. R. M. Kliegman, H. B. Jenson, K. I. Marcdante, R. E. Behrman. - Elsevier Saunders, 2006.
12. Infekcinių ligų žinynas. A. Laiškonis, MV. Bareišienė et. al., Kaunas, Kauno medicinos universiteto spaudos ir leidybos centro leidykla, 2007.
13. V. Usonis. Vakcinos ir skiepijimai. Vilnius, Homo liber leidykla, 2010.
14. http://www.emedicine.com

III. Practical skills gained in a clinical environment and/or simulation room:

Practical skills	Full name and signature of the supervising doctor*	Date
1. Admission of sick children (babies, newborns), assesment of their condition, preliminary diagnosis and detection of the syndrome influencing the severity of the condition, preparation of a testing and treatment plan		
2. Monitoring and treatment of in-patients, filling in medical documents		
3. Presentation of patients during ward rounds and general conferences at clinic		
4. Assessment of children's physical and psychomotor development		
5. Clinical examination of children suffering from acute respiratory diseases, assesment of respiratory failure. Pulse oximetry		
6. Gastric tube insertion. Tube feeding		
7. Suction of secretions from the upper respiratory tract in children		
8. Inspection of children's fauces: diagnosis of pharyngitis and tonsillitis		
9. Trimming of an obstruction in the upper respiratory tract and prescription of aerosol therapy		
10. Trimming of an obstruction in the lower respiratory tract and prescription of aerosol therapy		
11. Assessment of rash in children		
12. Measurement and evaluation of blood pressure of children of		

different ages		
13. Examination of feverish children, reduction of fever by physical and medicinal means		
14. Assesment of acute dehydration and prescription of fluid therapy		
15. Registration and assesment of a child's electrocardiogram		
16. Monitoring and interpretation of a child's ultrasound		
17. Monitoring of a child's abdominal ultrasound		
18. Assessment of a child's linear and lateral chest X-ray		
19. Assessment of laboratory and microbiological blood test results of children of different age		
20. Assessment of laboratory and microbiological urine test results of children of different ages		
21. Assessment of laboratory and microbiological test of cerebrospinal fluid results of children of different ages		
22. Initial and special resuscitation of children		
23. Medication dosage for children		
24. Paediatric urethral catheterization with soft catheter		

* - a doctor writes his/her full name and adds his/her signature

IV. Methods for gaining practical skills:

1. Independent assessment of the condition of a child, preliminary diagnosis and assignment of emergency care at the Intensive Care Unit;
2. Monitoring and treatment of a sick child, compiling of medical documentation at different paedatric departments;
3. Three additional academic hours of extra-curricular practical preparation on critical health conditions of children that require internsive care using computer simulators, mannequins, and simulated clinical situations;
4. Participation in the seminars and conferences held at any departments and centres of the Internship site, discussion of patients' cases at clinical conferences and ward rounds.

During the cycle a student worked:

in the inpatient department from_____to_____

_____

(name of the department)

Work shifts at the Internship site:

	Month, day, time	Department	Signature of the doctor working the shift
1.			
2.			
3.			
4.			

A PASS. The student _____has carried out the full programme of Children's Diseases.

Supervisor of the cycle _____
(full name and signature*)

* - the doctor writes his/her full name and adds his/her signature

SURGERY AND TRAUMATOLOGY
Programme

I. A student has to learn to diagnose, provide first aid, and know the tactics of surgical treatment for the following major diseases and syndromes:

1. Acute abdominal pain
2. Gastrointestinal bleeding
3. Cutaneous, subcutaneous and perirectal abscess
4. Arterial embolism
5. Deep vein thrombosis
6. Pneumothorax
7. Examination and treatment of a patient who has undergone trauma
8. Examination and treatment of a patient who has undergone thermal trauma
9. Wounds
10. Renal colic, acute urinary retention, epididymitis, orchitis

II. A student has to learn to diagnose the following critical health conditions and assist in treating them in a clinical environment or/and simulation room:

1. Bleeding from main arteries of the head, neck, and limbs
2. Gastroduodenal bleeding
3. Thermal and chemical burns
4. Frostbite
5. Traumatic dislocations
6. Open and closed pneumothorax and pneumothorax from mechanical ventilation
7. Deep venous thromboembolism
8. Liver pain
9. Closed hemothorax
10. Open heart injury
11. Kindey pain
12. Acute urinary retention
13. Acute abdomen
14. Open fractures
15. Traumatic shock
16. Wounds: primary care and prevention of infection
17. Purulent diseases of soft tissues

Recommended literature:

1. Robert E. Condon, Lloyd M. Nykus. Manual of Surgical Theropeutics. Boston – London, 1996, 1998. 716 p.
2. S. I. Schwarts, G. T. Shires, F. C. Spenser. Principles of Surgery. New York – Toronto, Mc Graw — Hill, inc. 1994, 1999. GT3. 878 p.
3. V. Zykas, D. Pavalkis et. al. Storosios žarnos chirurginės ligos. Kaunas, 1999. 264 p.
4. K. Strupas. Peritonitas. Vilnius, 2004. 47 p.
5. R. Lunevičius. Ūmi chirurginė infekcija. Vilnius, 2006. 33-50 p.
6. I.Pundzius. Chirurgija. Kaunas. 2006. 79 p.
7. A. Šileikis. Ūminis pankreatitas. Vilnius. 2008. 111p.

III. Practical skills gained in clinical environment and/or simulation room:

Practical skills	Full name and signature of the supervising doctor*	Date
1. Local anesthesia		
2. Binding of surgical wounds, removal of threads		
3. Primary wound treatment		
4. Treatment of purulent wounds (cleaning, drainage)		
5. Opening of superficial abscesses		
6. Application of bangades on various body parts		
7. Application of plaster bandages in outpatient conditions		
8. Use of immobilizer splint		
9. Temporary stoppage of external bleeding		
10. Immobilization for transportation in case of spinal fracture		
11. Gastroscopy		
12. Urethral catheterization with soft catheter		
13. Clothing and hand preparation for surgery		
14. Assistance during surgeries		

* - the doctor writes his/her full name and adds his/her signature

During the cycle the student worked:

at the inpatient department from_____to _____

_____

(name of the department)

Work shifts at the Internship site:

	Month, day, time	Department	Signature of the doctor working the shift
1.			
2.			
3.			
4.			

A PASS. The student _____has carried out the full programme of Internal Diseases.

Supervisor of the cycle _____
(full name and signature*)

* - the doctor writes his/her full name and adds his/her signature

Additional practical preparation to gain practical surgical skills by using computer surgery simulators:

Practical workshops will be held at Santariškių g. 2, Classroom Block, Classroom 4 (supervisor: Prof. G. Simutis). The time for workshops will be agreed on with students.

Topic 1. Equipment in Laparoscopic Surgery. Basic laparoscopic skills: management of camcorder, management of instruments, coordination of movements: manipulations, transferring of objects from one location to another, picking up objects and dropping them in a specific place.

Topic 2. Additional Laparoscopic Skills. Attachment of clips, cutting, suturing and binding of blood vessels; accuracy and speed of the management of instruments; dissection of tissues and their structures. Surgical threads and needles. Suturing of tissues, suturing techniques, knots.

Objectives and expected skills:

Topic 1. Know the devices and instruments used in laparoscopic surgeries. Learn to control your camcorder with straight and angled optics, zoom in and out, manage laparoscopic instruments and develop visual-motor coordination, control your camcorder and instrument at the same time, and learn how to use the laparoscopic clip to pick objects up, move them, and put them in the right place.

Topic 2. Learn how to place an object and cut it at the desired location, putting pressure on a blood vessel and cut it between clips, stop bleeding by putting pressure on a bleeding blood vessel. Learn to manipulate two objects at the same time. Get to know advanced laparoscopic skills: attachment of clips to the blood vessels, cutting, suturing of blood vessels, and knot-tying. Get acquainted with the principles of tissue dissection and the basics of electrosurgery. Get familiar with commonly used surgical threads and needles. Learn to sew single and continuous seams.

Learn to tie the most commonly used surgical knots by hand and with tools.

Content of the subject:

Topic 1. Laparoscopic surgical equipment. Camcorder management. Management of laparoscopic instruments.

Topic 2. Rules for clamping and cutting blood vessels. Laparoscopic sewing and tying of knots. Basics of electrosurgery. Surgical sutures. Tying of knots.

Teaching methods:

Theoretical lectures, demonstration materials, practical tasks, practical tasks using computer surgery simulators (Simendo; LapSim).

Required reading list:

1. Townsend: Sabiston Textbook of Surgery, 18th edition. CHAPTER 12 — Principles of Preoperative and Operative Surgery.
2. ACS Surgery: Principles & Practice, 2009.1. Basic Surgical and Perioperative Considerations; 8. Preparation of the Operating Room.
3. http://hsc.mum.edu/som/surgery/students/knotTvin8.shtml
4. Doud Galli SK, Constantinides M. Wound Closure Technique. 2010 E-medicine from WebMD http://emedicine.medscape.corn/article/1836438-print
5. Topografinė anatomija ir operacinė chirurgija, 1995, Vilnius Bendrieji operacinės chirurgijos klausimai.
6. Essential surgical practice. Basic surgical training. 4th edition. London. Module 21. Minimal access therapy.

Additional reading list:

1. Schwartz's Principles of Surgery, 9e Chapter 14. Minimally Invasive Surgery, Robotics, and Natural Orifice Transluminal Endoscopic Surgery.
2. Essential surgical practice. Basic surgical training. 4th edition. London. Module 2. Surgical craft and technology.
3. Osman C. Asepsis and Aseptic Practices in the Operating Room. http://www.infectioncontroltodav. com/anicles/2000/07/asepsis-and-aseptic- practices-in-the-operating-ro.aspx
4. Clinical clerkship in surgery. Operating room orientation manual. The University of Texas medical branch hospitals at Galveston.http://www.utnib.edu/surgerv/clerics/orinanual.htm
5. Principles of surgery. http://cal.vet.upenn.edu/projects/surgery/index.htm

OBSTETRICS AND GYNAECOLOGY
Programme

I. A student has to learn to diagnose and choose tactics for pregnancy and maternity care and treatment during normal pregnancy and childbirth:

1. Prenatal care
2. Bleeding in the first trimester of pregnancy
3. Bleeding in the third trimester of pregnancy and during childbirth
4. Postpartum haemorrhage
5. Prenatal hypertension
6. Lactostasis
7. Postpartum pathology: endometritis, mastitis, sepsis
8. Ectopic pregnancy
9. Acute abdomen in gynaecology
10. Pelvic inflammatory disease

II. A student has to learn to diagnose pathologies of pregnancy and childbirth and choose care and treatment tactics:

1. Spontaneous abortion
2. Underdeveloped feotus
3. Pregnancy-related diseases (prenatal vomiting, hypertension, preeclampsia, eclampsia, HELLP syndrome)
4. Serological conflict
5. Premature labour
6. Prelabour rupture of membranes
7. Intrauterine growth restriction
8. Vaginal bleeding during pregnancy
9. Bleeding during labour
10. Atony of the uterus
11. Fetal monitoring during labour
12. Early bleeding after labour, prophylaxis and treatment recommendations
13. Late bleeding after labour
14. Methods of delivery after cesarean section
15. DIC syndrome
16. Postpartum endometritis
17. Lactostasis and mastitis
18. Sepsis during the postpartum period

III. A student has to learn to diagnose and choose treatment tactics for the following critical health conditions in gynaecology:

1. Ectopic pregnancy
2. Ovarian Apoplexy
3. Ovarian cysts
4. Uterine perforation
5. Necrosis of uterine myoma

6. Pelvic inflammatory diseases
7. Acute inflammation of internal genital organs
8. Dysfunctional bleeding

IV. A student has to be able to provide emergency care to a patient in the following emergency situations in a clinical setting and/or simulation room:

1. Severe preeclampsia
2. Eclampsia
3. Bleeding during and after pregnancy and childbirth due to the following reasons: spontaneous abortion, placenta previa, placenta abruption, placental separation pathologies, uterine atony, embolism in fetal waters, clotting disorder
4. Treatment of internal bleeding in the abdominal cavity, acute abdomen
5. Impending uterine rupture, condition after uterine rupture
6. Acute fetal hypoxia
7. Neonatal resuscitation

Recommended literature:

1. B. Domža, D. Ramašauskaitė, J. Zakarevičienė. Internatūros studijų Akušerijos ginekologijos programa. Vilnius, UAB „Greita spauda“, 2008. – 67 p.
2. Akušerijos ir ginekologijos praktikos vadovas. Editor G. Drąsutienė. Vilnius: VU l-kla, 2008. – 546 p.
3. Akušerija ir ginekologija šeimos gydytojo praktikoje. Editor G. Drąsutienė. — Vilnius, UAB „Vaistų žinios“, 2010. – 794 p.
4. Berek and Novak's Gynecology. Fourteenth edition, Lippincott Villiams & Wilkins, 2007. – 1671 p.
5. Ž. Buinbulienė, R. Jakučionytė, J.M. Kiesylytė, V. Vasjanova. Vaikų ir paauglių ginekologija. Vilnius, UAB „Vaistų žinios“, 2004. – 208 p.
6. Geros akušerinės praktikos gairės. Pregnancy and delivery guidelines of quality care. Sud. R. Nadišauskienė, B. Stray-Pedersen. Kaunas, „Vitae litera“, 2005. – 224 p.
7. Williams Obstetrics. 23rd edition. Ed. Cunningham F.G. et a1. McGraw-Hill; 2010. – 1385 p.
8. Gynäekologie und Geburtshilfe. M. Kiechle. Elsiever Urban & Fischer, München. Jena, 2006. – 658 p.
9. High Risk Pregnancy: management options. D. K. James, P.I.Steer, C.P.Weiner, B.Gonik. 4th edition. Philadelphia, Elsiever Saunders, 2011.
10. Textbook of Fetal Abnormalities. Ed. P. Twining, I.McHugo, D.W.Pilling. Churchill Livingstone Elsevier. 2007. – 614 p.
11. Fetal Monitoring in Practice. D.Gibb, S. Arulkumaran. Churchill Livingstone Elsevier. 2008. – 250 p.
12. Clinical Obstetrics. The Fetus & Mother. E. A.Reece, I.C.Hobbins. Blackwell Publishing. 2007. – 1311 p.
13. C. H. Rodeck, M. J. Whittle. Fetal medicine: Basic Science and Clinical Practice. 2009. – 780 p.
14. Gynaecological Ultrasound in Clinical Practice - Ultrasound imaging in the management of gynaecological conditions. Davor Jurkovic, Lil Valentin and Sanjay Vyas. ISBN: 9781904752295. RCOG Press, 2009. – 235 p.
15. Protocols for High-Risk Pregnancies. Fifth edition. / John T. Queenan, John C.

Hobbins, Catherine Y. Spong. 2010. – 661 p.
16. Obstetric Clinical Algorithms: Management and Evidence. Errol R. Norwitz, Michael A. Belfort, George R. Saade, Hugh Miller. 2010. – 177 p.
17. John E. Turrentine. Clinical Protocols in Obstetrics and Gynecology. ISBN: 9780415439961. 2010. – 449 p.
18. Avoiding common obstetrics and gynecology errors. Carla P. Roberts, Diana Broomfield, Lisa Marcucci. Lippincott Williams & Wilkins, 2010. – 460 p.
19. How to Read a Paper - the basics of evidence-based medicine. 4th edition. / Trisha Greenhalgh. ISBN: 978-1-4443-3436-4. Wiley-Blackwell, 2010. – 238 p.
20. Bonney's Gynaecological Surgery. — 11th edition. / Tito Lopes, Nick M. Spirtos, Raj Naik, John M. Monaghan. 2011. – 272 p.
21. Pelvic Floor Disorders. DVD-ROM. ISBN 9781904369981. 2011.
22. Wayne R. Cohen, Emanuel A. Friedman. Labor and delivery care: a practical guide Wiley. 2011. – 388 p.
23. Clinical Gynecologic Endocrinology and Infertility. Mark A. Fritz, Leon Speroff. Lippincott Williams & Wilkins, 2011. – 1439 p.
24. A Clinical Guide for Contraception. 5th edition. / Leon Speroff, Philip D Darney. ISBN: 978-1-6083-1610-6. Lippincott, 2011. – 450 p.
25. Drugs in Pregnancy and Lactation, Ninth edition. Gerald G. Briggs, Roger K. Freeman, Sumner J. Yaffe. Lippincott Williams & Wilkins, 2011. – 1703 p.
26. Dewhurst's Textbook of Obstetrics and Gynaecology, 8th edition. / edited by Keith Edmonds. Wiley-Blackwell, 2012. – 852 p.
27. Gwendolyn P. Quinn, Susan T. Vadaparampi1 "Reproductive Health and Cancer in Adolescents and Young Adults", 2012. – 220 p.
28. Modem Colposcopy. Textbook and Atlas. Third edition. Edited by E.J. Mayeaux Jr. J. Thomas Cox. Wolters Kluver/Lippincott Williams and Wilkins, 2013 (2012?). – 695 p.
29. Wilkinson and Stone Atlas of Vulvar Disease. Edward J. Wi1kinson, I. Keith Stone, 3rd edition. Wolters Kluwer/ Lippincott Williams and Wilkins, 2013. – 274 p.

III. Practical skills gained in a clinical environment and/or simulation room:

Practical skills	Full name and signature of the supervising doctor*	Date
1. Carry out a pelvic examination (vaginal examination)		
2. Evaluate the condition of birth canals		
3. Calculate the term of childbirth		
4. Carry out an external obstetric examination (Leopold maneuvers)		
5. Measure fundal height and abdominal girth		
6. Know how to manage normal delivery		
7. Measure arterial blood pressure		
8. Record a cardiotocogram		
9. Calculate body mass index		
10. Perform a pregnancy test		

11. Collect obstetric and general medical history		
12. Fill in birth history and partograph		
13. Measure the condition of a newborn baby using Apgar score		
14. Help a newborn to perform first bowel movement		
15. Evaluate placental completeness after childbirth		
16. Examine birth canals after childbirth		
17. Manual revision of uterine cavity and separation of placenta		
18. Clinical assessment of hemorrhagic shock		
19. Examination of breast and palpation		
20. Provision of emergency treatment during eclampsia		
21. Auscultation of fetal heart tones		
22. Assessment of a fetal ultrasound		
23. Palpation, percussion and auscultation of an acute abdomen		
24. Bimanual examination		
25. Collect specimen from the cervix for bacteriological examination		
26. Collect specimen from the vagina for bacteriological examination		
27. Collect cervical cytology specimen		
28. Continuous collection of gynaecological history		
29. Assessment of organic causes of bleeding from the uterus		
30. Bimanual examination of women with uterine fibroids		
31. Assessment of mammogram		
32. Evaluation of ovulation		
33. Being able to perform prophylaxis of rhesus isoimmunisation		
34. Being able to evaluate the glucose tolerance sample and diagnose gestational diabetes		
35. Being able to diagnose hypertension and preeclampsia in pregnant women		
36. Being able to resuscitate a newborn baby		

*- the doctor writes his/her full name and adds his/her signature

During the cycle the student worked:
at a women's health centre from_____to_____

_____

(name of the centre, district)

at the inpatient department from_____to_____

_____

(name of the department)

Work shifts at the Internship site:

	Month, day, time	Department	Signature of the doctor working the shift
1.			
2.			
3.			
4.			

A PASS. The student _____has carried out the full programme of Obstetrics and Gynaecology.

Supervisor of the cycle_____
(full name and signature*)

* - the doctor writes his/her full name and adds his/her signature

OTHER ENTRIES

1. Participation in seminars, conferences and meetings of scientific societies:

Date	Title of the seminar, conference or meeting	Topic

2. Records on missed work days and their compensation

3. The Internship has been extended:

Title of the cycle	Period of the extension

4. Other notes

Appendix 1

For students who have carried out all the Cycles at the same health care facility

FINAL EVALUATION

The student_____has carried out the full programme of the Internship and has passed the four Cycles.

The Head of the Internship Site_____
(full name and signature)

Stamp of the health care facility

Date:_____

Appendix 2

For students who have carried out the Cycles at different health care facilities

VILNIAUS UNIVERSITETO / *VILNIUS UNIVERSITY*

MEDICINOS FAKULTETAS / *MEDICINE FACULTY*

INTERNATŪROS GALUTINIS ĮVERTINIMAS / *FINAL EVALUATION OF THE INTERNSHIP*

_____

(Studento vardas, pavardė / *Student's Name, Surname*)

Studento registracijos Nr.*(LSP numeris) / Student registration No. (LSP number)*_____;

Studijų programos pavadinimas / Title of the Study programme: _____

Kursas / Year of Study:_____**Grupė /** Groupe: _____

Eil. Nr. / No.	**Ciklo pavadinimas / Title of the Cycle**	**Įvertinimas (įskaityta / neįskaityta) / Evaluation (passed / failed)**	**Ciklo vadovo vardas, pavardė, parašas / Tutor of the Cycle Name, Surname, Signature**	**Asmens sveikatos priežiūros įstaigos antspaudas, data / Personal Health Care Institution's Stamp, Date**
1.	Vidaus ligos / Internal Diseases			
2.	Vaikų ligos / Children Diseases			
3.	Chirurgijos ir traumatologijos / Surgery and Traumatology			
4.	Akušerijos ir ginekologijos / Obstetrics and Gynaecology			

_____

(VU MF koordinuojančio dėstytojo (-os) vardas, pavardė, parašas, data / VU MF coordinating Professors's Name, Surname, Signature, Date)

_____

(VU MF studijų prodekano (–ės) vardas, pavardė, parašas, data / VU MF Vice-Dean's for Studies Name, Surname, Signature, Date)

Appendix 3

ASSESSMENT OF THEORETICAL KNOWLEDGE AND PRACTICAL SKILLS OF RESUSCITATION

Full name:_____Date: ___ - ___- 2019

Theoretical knowledge		
• Initial resuscitation. The sequence of actions. Assessment of the patient's condition. Chest compression. Artificial respiration. • Ensurance of respiratory passage and function. Management of choking. • Special resuscitation. Ventricular fibrillation/ventricular tachycardia (no blood circulation), asystole, electrical heart activity without pulse. • Defibrillation, cardioversion, electrical stimulation of the heart. Indications and methodology. • Medications used during resuscitation, indications and dosage. • Broad and narrow complex tachycardia, atrial flutter and fibrillation. Bradycardia. • Support actions and methods of resuscitation in various critical conditions. • Post-cardiac arrest syndrome. Recovery after resuscitation.		
Recommended literature		
• European Resuscitation Council Guidelines for Resuscitation 2015. Section 1. Executive summary. Resuscitation 2015; 95:1-80. https://cpreuidelines.eu/		
Evaluation of theoretical knowledge and practical skills (test)		
• Theoretical knowledge: questions, clinical cases, choosing correct answers. • Practical skills: clinical cases of initial and special resuscitation.		
_ _		
Evaluation		
□ Pass	□ Fail	Date: ___ - ___- 2019
Evaluation of retake of the test		
□ Pass	□ Fail	Date: ___ - ___- 2019
Signature of the professor:		

The student _____ has carried out the full programme of medical practical preparation, passed the tests of the four cycles, has gained the theoretical knowledge and practical skills of resuscitation, and has gained additional practical surgical skills while using computer surgery simulators.

Vice-Dean for Studies at the Faculty of Medicine of Vilnius University

_____

(stamp, signature)

Date: ____.05.2019