Order no. 56/2021

of the Rector of the Medical University of Bialystok

dated 9.06.2021

on the fee for practical training corresponding to the scope of the clinical part of the postgraduate internship programme for persons who have started their studies at the Medical University of Bialystok in the academic year 2012/2013, 2013/2014, 2014/2015, 2015/2016 and 2016/2017 in the field of medicine in English

Pursuant to art. 23 section 1 in accordance with art. 163 section 2 of the Act of 20 July 2018 – The Law on Higher Education and Science (i.e. Journal of Laws of 2021 item 478, as amended), in relation to art. 8 section 8 of the Act of 16 July 2020 on amending the act on the professions of doctor and dentist and certain other acts (Journal of Laws item 1291 as amended) I order the following:

# § 1

1. A fee is set for a 6-month practical training corresponding to the scope of the clinical part of the postgraduate internship programme, conducted in a medical institution for persons who started their studies at the Medical University of Bialystok in the academic year 2012/2013, 2013/2014, 2014/2015, 2015/2016 and 2016/2017 in the field of medicine in English, who received a title of doctor and have not undergone a postgraduate internship – in the amount of 5 000 EUR (in words: five thousand euros) or 6 100 USD (in words: six thousand one hundred US dollars).

2. The conditions for charging the fee shall be determined by the agreement for practical training corresponding to the scope of the clinical part of the postgraduate internship programme, the template of which is set out in appendix 1 to the order.

# § 2

This Order shall enter into force on the day of signature.

**Rector**

**prof. dr hab. Adam Krętowski**

Appendix no. 1 to the Rector's Order no. 56/2021 of 9.06.2021

AGREEMENT

for practical training corresponding to the scope of the clinical part of the postgraduate internship programme

concluded in Bialystok on between:

Medical University of Bialystok, ul. Kilińskiego 1, 15-089 Białystok,   
**NIP** 542-021-17-17, **REGON** 000288604, represented by:

,

hereinafter referred to as the "University",

and Mr./Mrs. PESEL ,

and in the absence of it – the identity document number and the name of the issuing state ,

nationality ,

address of residence ,

address of residence in Poland ,

email address , contact phone no. ,

hereinafter referred to as the "Intern",

– hereinafter referred to as the "Parties".

Pursuant to art. 8 section 8 of the Act of 16 July 2020 on amending the act on the professions of doctor and dentist and certain other acts (Journal of Laws item 1291, as amended) and art. 163 section 2 of the Act of 20 July 2018 – The Law on Higher Education and Science (i.e.  
Journal of Laws of 2021 item 478 as amended), an agreement is concluded with the following wording:

# Contractual definitions

## § 1

The terms used in the agreement mean:

**internship** – 6 months of practical training corresponding to the scope of the clinical part of the postgraduate internship program, conducted in a medical entity for people who started their studies at the Medical University of Bialystok, in the academic year 2012/2013, 2013/2014, 2014/2015, 2015/2016 and 2016/2017 in the field of medicine in English, obtained a professional title of doctor or dentist and have not completed the postgraduate internship;

**Intern** – a person undergoing internship;

**medical entity** – a medical entity conducting an internship, providing the University with organisational units necessary for conducting pre- and postgraduate education  
in medical professions, in accordance with art. 89 of the act of 15 April 2011 on medical activity (i.e. Journal of Laws of 2021, item 711 as amended).

# Subject of the agreement

## § 2

The subject of this agreement is an intern undergoing internship in a medical entity on the basis of a referral issued by the University.

# Statements of the parties

## § 3

The intern declares that he/she meets the following criteria to be eligible for the internship:

1. started the studies at the University in the academic year in the field of medicine, conducted in English;
2. received a professional title of the doctor in a year and begins the internship no later than   
   2 years from the date of receiving the above professional title / within 2 years from the date of entry  
   into force of the act of 16 July 2020 on amending the act on the professions of doctor  
    and dentist and certain other acts [[1]](#footnote-1), in accordance with art. 8 section 9 of the act of 16 July 2020 on amending the act on the professions of doctor and dentist and certain other acts;
3. has not completed the postgraduate internship before the date of conclusion of this agreement.

# § 4

The University declares that:

1. is the organiser of the internship conducted in a medical entity;
2. the internship is conducted in a medical entity on the basis of a referral issued by the University, in accordance with the programme prepared by the minister responsible for health. The referral template constitutes appendix no. 1.

# Commitments of the parties

## § 5

The intern undertakes to:

1. arrange the dates for starting and ending the internship with the internship supervisors;
2. obtain a medical certificate issued by a doctor authorised to carry out medical check-ups for the absence of health contraindications to undergo the internship;
3. begin the internship immediately after receiving the referral issued by the University;
4. keep a journal of the internship;
5. undergo the internship in accordance with the programme set out in appendix no. 2 of the agreement;
6. complete of the internship within the deadline resulting from the internship programme and the schedule agreed with the internship supervisors;
7. possess and present a valid civil liability insurance policy   
   and accident insurance policy, extended to additional benefits for occupational exposure related to potential contact  
   with biological factors, during the period of the internship;
8. keep confidential patients' personal data and ways to protect them, to which he will have access during the internship – both during the internship and after its completion, in accordance with the provisions of the act of 10 May 2018 on the protection of personal data (Journal of Laws of 2019 item 1781) and the regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and the repeal of the Directive 95/46/EC (General Data Protection Regulation);
9. comply with the principles of ethics and professional secrecy;
10. comply with the order, health & safety, fire and sanitary regulations, including the rules of the sanitary regime applicable in the event of the state of epidemic risk or the state of epidemic;
11. wear university IDs during classes conducted as part of the internship;
12. pay fees related to the internship referred to in § 8.

# § 6

The University is undertakes to:

1. organise the internship in accordance with the programme prepared by the minister responsible for health, constituting appendix no. 1 to the agreement;
2. issue a referral to internship at a healthcare entity for the Intern;
3. allow the Intern to start the internship within a maximum period of 3 months after qualifying for the internship;
4. provide the intern with the necessary information about the organisation and the course of the internship.

# Organisation of the internship

## § 7

1. The internship lasts 6 months, i.e. 24 weeks and is conducted for 37.5 hours per week, in accordance with the programme set out in appendix no. 2 to the agreement;
2. The internship supervisors confirm the start and end dates of the internship in the internship cards.
3. Internship classes will be conducted under the supervision of internship supervisors.
4. The Intern participating in the classes specified by the internship programme may participate  
   in the provision of healthcare services under the direct supervision of persons practising the medical profession competent for the content of the internship.
5. The trainee may stay on the premises of the medical entity only during and in connection with the classes carried out as part of the internship.
6. Supervision over the implementation of the internship is carried out by a coordinator appointed jointly by the University and the medical entity.

# Rules for charging fees

## § 8

1. The fee for the internship is EUR 5 000 (in words: five thousand euro).
2. The intern shall pay the fee referred to in section 1, within 7 days from the date of conclusion of the agreement, by transfer to the University bank account:

The payment of the internship fee by the intern is a prerequisite for receiving an internship referral issued by the University.

1. The fee referred to in section 1 is one-off.

# Duration of the agreement

## § 9

This agreement has been concluded for the duration of the internship referred to in § 7 section 1.

# Final provisions

## § 10

Any changes to the content of this agreement shall be in writing, under pain of nullity.

# § 11

1. The Parties shall strive to amicably resolve disputes arising from   
   the implementation of the agreement.
2. If the dispute cannot be settled in accordance with the procedure specified in section 1, the Parties agree that the dispute shall be submitted to the common court of competent subject matter jurisdiction.

# § 12

General information on the processing of personal data by the University is contained in appendix no. 2 to the agreement.

# § 13

The agreement has been drawn up in two identical copies, in two language versions - in Polish and English, one for each of the Parties.  
In the case of discrepancies in the language versions - the Polish version of the agreement shall prevail.

UNIVERSITY: INTERN:

Appendix no. 1 to the agreement dated ............... for practical training corresponding to the scope of the clinical part of the postgraduate internship programme

Białystok,

person receiving practical training

name of the medical entity

**REFERRAL**

Pursuant to art. 8 section 1 point 2) section 6 - 9 of the act of 16 July 2020 on amending the act on the professions of doctor and dentist and certain other acts (Journal of Laws item 1291, as amended) and the annex dated to the Agreement dated 1.06.2019, I refer Ms./Mr.

………………………………………………………………………………………………………………………………….

a graduate of the medical programme in English of the Medical University of Bialystok, for a 6-month practical training corresponding to the scope of the clinical part of the postgraduate internship programme.

*Practical training coordinator*

Appendix no. 2 to the agreement for practical training corresponding to the scope of the clinical part of the postgraduate internship programme

The practical training programme referred to in art. 8 section 1 point 2 of the act on amending the act on the professions of doctor and dentist and certain other acts (Journal of Laws of 2020 item 1291) on the basis of which shall be conducted the verification of the application referred to in section 2.   
( <https://www.gov.pl/web/zdrowie/program-szkolenia-praktycznego> )

# Doctor

## PARTIAL INTERNSHIP IN THE FIELD OF INTERNAL DISEASES

Duration of internship: 5 weeks, including 4 weeks - internal diseases and 1 week - blood donation and transfusion medicine.

### Purpose of the internship:

strengthening theoretical knowledge as well as learning, consolidation and assimilation of practical skills in the field of diagnosis and treatment, as well as prevention and rehabilitation of the most common or life-threatening internal diseases in the conditions of inpatient and outpatient care and in the scope of transfusion medicine.

### Internship programme:

* in the scope of internal diseases:

1. Prevention, diagnosis and treatment of the most common internal diseases:
2. cardiovascular system:
3. ischemic heart disease, myocardial infarction,
4. atherosclerosis, cerebral stroke,
5. hypertension,
6. chronic circulatory failure,
7. basic disorders of heart rhythm and conduction,
8. pulmonary heart,
9. heart defects,
10. myocarditis,
11. venous thromboembolism;
12. respiratory system:
13. acute and chronic bronchitis,
14. pneumonia,
15. chronic respiratory failure,
16. bronchial asthma,
17. lung cancer,
18. tuberculosis;
19. urinary system:
20. renal failure - acute and chronic,
21. acute and chronic pyelonephritis,
22. acute and chronic glomerulonephritis,
23. nephrolithiasis,
24. nephrotic syndrome,
25. renal cell carcinoma,
26. inflammation of the bladder and urinary tract;
27. digestive system:
28. peptic ulcer of the stomach and duodenum,
29. gastric cancer,
30. malabsorption syndrome,
31. specific and non-specific enteritis,
32. irritable bowel syndrome,
33. colorectal cancer,
34. cholelithiasis,
35. hepatitis,
36. cirrhosis,
37. acute and chronic pancreatitis,
38. pancreatic cancer,
39. parasitic diseases of the gastrointestinal tract;
40. haematopoietic system:
41. anaemia,
42. haemorrhagic diathesis,
43. leukaemia,
44. malignant granuloma and non-Hodgkin lymphoma;
45. endocrine glands:
46. diabetes,
47. diseases of the pituitary and hypothalamus,
48. hyperthyroidism and hypothyroidism,
49. hyperparathyroidism and hypoparathyroidism,
50. hyperadrenocorticism and hypoadrenocorticism,
51. tumours of the adrenal medulla,
52. hormonal and metabolic disorders of the menopause in women and men;
53. metabolic disorders:
54. obesity and overweight,
55. hyperlipidaemia,
56. osteoporosis;
57. locomotor system.
58. Getting to know general medical problems in the scope of internal diseases:
59. epidemiology of internal diseases, with particular reference to those associated with high mortality, chronic disability or high sickness absence;
60. prevention of certain cardiovascular and respiratory diseases;
61. indications and contraindications for endoscopic procedures;
62. principles of antibiotic therapy in the most common internal diseases requiring the use of antibiotics;
63. principles for making diagnostic and therapeutic decisions concerning the most common internal diseases.
64. Mastering the following skills and activities:
65. intravenous and arterial injections for drug administration or taking a blood sample for testing, venous cannulation;
66. intravenous transfer of blood and other fluids;
67. ECG tests;
68. pleural and peritoneal punctures;
69. bladder catheterisation;
70. collection of material for microbiological tests;
71. gastric lavage;
72. measurement and interpretation of blood pressure results, including ankle pressure measurements;
73. measurement of glycemia.

* in the scope of clinical blood transfusion:

(5 hours of practical classes)

1. Introduction to the principles of modern transfusion medicine:
2. blood collection, storage and receipt of blood products;
3. fundamentals of transfusion immunology;
4. prevention of post-transfusion viral infections;
5. basic principles of rational treatment with blood and its preparations;
6. post-transfusion complications.
7. Practical knowledge of the following skills:
8. registration and qualification of blood donors and the principles for keeping records in this regard;
9. methods of blood and plasma collection - conventionally and with the use of separators, learning the principles for production of hematopoietic preparations;
10. carrying out immunological, serological tests - red blood cell antigens and antibodies, cross-compliance tests;
11. detection of viral markers (HBV, HCV, HIV);
12. principles for quality control, storage and distribution of blood and its preparations.

## PARTIAL INTERNSHIP IN PAEDIATRICS

Duration of internship: 4 weeks, including paediatrics - 3 weeks and neonatology - 1 week.

Purpose of the internship:

strengthening theoretical knowledge as well as learning, acquisition and consolidation of practical skills in the field of prevention, diagnosis and treatment of childhood diseases and developmental disorders in children in the conditions of inpatient and outpatient care.

Internship programme:

1. Diagnosis and treatment of newborns in cases of developmental malformations, respiratory and circulatory disorders, congenital and acquired infections and neonatal sepsis, acute metabolic and neurological disorders, serological conflict, neonatal haemorrhagic disease, diseases requiring immediate surgical intervention, hip dysplasia and dislocation, hypothyroidism and alcohol syndrome.
2. Diagnosis and treatment of bacterial   
   and viral infections in infants, including viral hepatitis and AIDS, acute diarrhoea and its complications, chronic diarrhoea and deficiency states, respiratory diseases, hypothyroidism, hip dysplasia, urgent diseases of the abdominal cavity (indentation), diseases with seizures and other paroxysmal attacks.
3. Diagnostic, therapeutic and rehabilitation procedures in children with cerebral palsy.
4. Diagnosis and treatment in children over 1 year of age: developmental abnormalities, the effects of trauma and poisoning, impaired consciousness, gastrointestinal bleeding, recurrent abdominal pain, recurrent headaches, infectious diseases - including childhood infectious diseases, as well as nephritis, rheumatic disease, hypertension, cancer diseases, protein-energy and vitamin deficiencies, as well as macro-  
   and micronutrient deficiencies, atopic diseases and anaphylactic reactions, diseases of addiction.
5. Knowledge of the vaccination calendar, the principles for the use of vaccines and serums, knowledge of adverse reactions to vaccination and contraindications to vaccination.
6. Mastering the following skills and activities:
7. handling of the newborn immediately after birth:
8. Apgar newborn assessment,
9. newborn screening tests (phenylketonuria);
10. resuscitation of the newborn;
11. assessment of the maturity of the newborn;
12. diagnosis and management of congenital malformations in the newborn;
13. principles for transporting a sick newborn;
14. care and feeding of the newborn;
15. assessment of the general condition of the infant and of the older child, including otoscopic examination and blood pressure measurement as well as examination for congenital malformations;
16. taking medical history from the child's family;
17. conducting resuscitation and first aid in life-threatening conditions  
    in children;
18. diagnosis of cerebral palsy in children;
19. intravenous injection and taking a blood sample for testing in infants and older children;
20. collection of cerebrospinal fluid in children;
21. collection of materials for microbiological tests in children;
22. installation of a gastric or rectal tube and a bladder catheter  
     in children;
23. care of infants and young children;
24. taking a blood sample to test for hypothyroidism  
     and phenylketonuria.

## PARTIAL INTERNSHIP IN GENERAL SURGERY

Duration of internship: 4 weeks, including general surgery - 3 weeks and trauma surgery - 1 week.

Purpose of the internship:

strengthening theoretical knowledge as well as learning, consolidation and assimilation of practical skills in the field of diagnosis, treatment, prevention and rehabilitation of the most common surgical diseases in the scope of inpatient and outpatient care.

Internship programme:

1. Diagnosis and management in the event of:
2. traumatic and hypovolemic shock;
3. injuries related to:
4. central and peripheral nervous systems:

* brain, cranium and facial skeleton, taking into account the Glasgow scale,
* cranial and peripheral nerves,

1. chest, in particular:

* in injuries of the chest, heart, lungs and large vessels,
* in post-traumatic and spontaneous pneumothorax,
* in lesions of the chest wall, ribs and sternum,

1. abdominal cavity, in particular:

* in abdominal wounds,
* in blunt abdominal injuries,

1. genitourinary system,
2. spine, in particular diagnosis and treatment of patients with spinal fractures,
3. extremities, in particular:

* closed and open fractures of extremities, with particular attention to the most common fractures, i.e. the base of the radius, ankles, femoral neck,
* dislocations of large joints (shoulder, elbow, hip),
* dislocations, sprains and contusions of joints, with particular reference to the knee and ankle,

1. burns and frostbite:

* in burns and frostbite,
* in burns of the respiratory tract and the gastrointestinal tract;

1. infections in surgery:
2. in septic shock,
3. in purulent inflammation of the skin and subcutaneous tissue (abscess, furuncle, whitlow, paronychia),
4. in infestations (tetanus, gas gangrene, erysipelas);
5. the most common abdominal surgical conditions involving:
6. "acute abdomen":

* gastrointestinal perforation,
* acute appendicitis,
* acute cholecystitis,
* acute pancreatitis,
* intestinal obstruction, with particular attention to strangulation of external hernias,

1. gastrointestinal haemorrhage,
2. other diseases of the gastrointestinal tract:

* peptic ulcer of the stomach and duodenum,
* cholelithiasis,
* the most common diseases of the anus and rectum (abscess, fistula, haemorrhagic nodules);

1. urological disorders:
2. nephrolithiasis,
3. urinary retention,
4. testicular hydrocele,
5. prostate hypertrophy,
6. prostate cancer;
7. diseases of the vascular system:
8. in vascular injuries,
9. in acute non-traumatic ischemia of the extremities (embolism, blood clots),
10. in chronic lower extremity ischemia,
11. in aortic aneurysm,
12. venous thromboembolism, particularly affecting the lower extremities,
13. in chronic venous insufficiency of the lower extremities.
14. Learning the principles of early diagnosis and surgical management  
    in tumours of the nipple, gastrointestinal tract, thyroid and skin.
15. Learning indications for use and basics of interpretation of certain diagnostic methods and surgical treatment in surgery:
16. radiological and ultrasonographic diagnostics;
17. computed tomography and magnetic resonance imaging;
18. endoscopy, with particular attention to gastroscopy, ERCP, rectoscopy, colonoscopy, cystoscopy;
19. general principles and possibilities of laparoscopic surgery.
20. Knowledge of general surgical problems concerning:
21. principles of asepsis and antiseptics, prevention of perioperative infections;
22. prevention of tetanus;
23. prevention of infections with hepatotropic viruses and HIV;
24. principles of modern antibiotic therapy in surgical disorders;
25. principles for preparation of the patient for surgery under general anaesthesia;
26. principles of modern peri- and postoperative rehabilitation.

5. Mastering the following skills and activities:

1. surgical washing of hands and operating field;
2. surgical treatment and suturing of minor wounds;
3. local anaesthesia;
4. incision and drainage abscess;
5. principles of basic plaster and immobilising casts;
6. principles of pleural drainage;
7. management of external haemorrhage;
8. assumptions of nasogastric tube;
9. intravenous blood and fluid transfusion;
10. management in burns;
11. rectal examination and evaluation of the prostate;
12. performing anoscopy.

## PARTIAL INTERNSHIP IN OBSTETRICS AND GYNAECOLOGY

Duration of Internship: 3 weeks.

Purpose of the internship:

strengthening theoretical knowledge as well as learning, consolidation and assimilation of practical skills in the field of medical care in a normal pregnancy and childbirth, as well as prevention, diagnosis and treatment of the most common complications of pregnancy and childbirth as well as diseases of the genital organs in women in the conditions of inpatient   
and outpatient care.

Internship programme:

1. Diagnosis and medical care in pregnancy and the principles of conduct during childbirth  
   :
2. principles of the preconceptive care;
3. pregnancy diagnosis and the principles of the management of a normal pregnancy;
4. diagnosis and management of pregnancy complications, in particular:
5. threatening miscarriage,
6. hypertension,
7. premature placental abruption, placenta praevia,
8. serological conflict,
9. infections;
10. principles of treatment of pregnancy related comorbidities, in particular:
11. diabetes,
12. heart and blood vessels diseases,
13. infections of the genitourinary system,
14. thromboembolic complications;
15. learning the principles of interpreting ultrasound examinations performed during pregnancy;
16. principles of treatment during a normal delivery in and outside a hospital, including the knowledge of indications and methods for the relief of labour pain;
17. diagnosis of perinatal complications, management of abnormal delivery, including the determination of indications for surgical termination of a delivery, in particular:
18. premature delivery,
19. obstetric haemorrhage;
20. learning the principles of diagnosis and management of postpartum complications;
21. learning the principles of breastfeeding;
22. fundamentals of the diagnosis of postpartum depression.
23. Principles for health promotion and prevention in obstetrics, with particular reference to:
24. premature delivery;
25. infections, including viral ones (HIV);
26. serological conflict;
27. fetal development disorders, prenatal tests.
28. Learning the principles of prevention, diagnosis and treatment of diseases of the genital organs in women, in particular:
29. ectopic pregnancy;
30. infections, including sexually transmitted infections;
31. menstrual cycle disorders and fertility disorders;
32. tumours of the genitals and nipple;
33. women's health problems during menopause.
34. Learning family planning methods and principles.
35. Learning indications for use and basics of interpretation of selected diagnostic methods and surgical treatment in obstetrics and gynaecology:
36. radiological and ultrasonographic diagnostics;
37. computed tomography;
38. endoscopy, with particular reference to laparoscopy, hysteroscopy and colposcopy.
39. Learning the principles of asepsis and antiseptics in obstetrics and gynaecology.
40. Mastering the following skills and activities:
41. external and internal obstetric examinations;
42. assessment of fetal heart function, including interpretation of cardiotocography;
43. interpretation of a blood gas test from the fetal scalp or umbilical cord;
44. delivery of 3 physiological births - mastering the principles of procedure;
45. episiotomy and suture of laceration of perineum;
46. gynaecological examination;
47. nipple examination;
48. performance of a cytological examination and interpretation of its results;
49. principles and methods of family planning;
50. principles of diagnosis and treatment of menopausal symptoms.

## PARTIAL INTERNSHIP IN THE FIELD OF ANAESTHESIOLOGY AND INTENSIVE CARE AS WELL AS IN THE FIELD OF EMERGENCY MEDICINE

### Partial internship programme in anaesthesiology and intensive care

Duration of internship: 2 weeks, including 1 week - anaesthesiology and 1 week - intensive care.

Purpose of the internship in anaesthesiology:

deepening and learning practical aspects as well as assimilation of knowledge related to the use, choice and principles of organisation of perioperative period, anaesthesia and life-threatening conditions associated with its use, as well as learning monitoring techniques and perception of basic vital functions with intraoperative management in the field of intensive care.

Purpose of the internship in intensive care:

understanding the doctrine of intensive care based on the criteria of admission and discharge from the ward, familiarisation with the system of organisation and medical procedures in force  
in intensive care and understanding the assessment of the severity of a patient's condition based on predictive scales and scales directly assessing the general condition of a patient, as well as the state of selected systems and organs. Familiarisation with the tactics of management in intensive care associated with the implementation of invasive treatment techniques based on  
 invasive technologies for monitoring basic and detailed life parameters.

The internship can be conducted by clinics, clinical departments, authorised departments and units, included in the list of the marshal of the voivodeship.

Internship programme:

* in the scope of anaesthesiology:

1. Management of a patient in the perioperative period:
2. assessment of a patient's condition in the preoperative period, depending on the type of indications for surgical or diagnostic procedure;
3. tasks of an anaesthesiologist performed in an anaesthesiology clinic, goals of an anaesthesiology clinic;
4. objectives of general, regional and combined anaesthesia;
5. pathophysiology of anaesthesia;
6. pharmacotherapy of anaesthesia taking into account pharmacokinetics and pharmacodynamics and tasks of anaesthesia in outpatient surgery;
7. monitoring of anaesthesia;
8. monitoring of essential vital functions, indications for invasive monitoring;
9. the renal system and the role of the liver during anaesthesia (elimination and degradation of anaesthetics);
10. advantages and disadvantages of general anaesthesia and regional anaesthesia;
11. morbidity and mortality due to anaesthesia;
12. recovery room as a legal duty and security guard in the immediate postoperative and postanaesthesia period;
13. post-operative pain management, acute pain management;
14. anaesthetic standards and the anaesthesia equipment, legal aspects.

* in the scope of intensive care:

1. Management of a patient in the ward and in the intensive care unit - general issues:
2. specifics of the intensive care unit;
3. specifics of perception and assessment of general condition in intensive care;
4. specifics of differential diagnosis in intensive care;
5. morbidity and mortality associated with intensive care;
6. subjectivity of a patient in intensive care;
7. social, economic and social impact of intensive care;
8. place of intensive care in the organisational structure of a hospital;
9. criteria for admission to the ICU.
10. Specific issues:
11. blood flow;
12. oxygen transport;
13. techniques for preventing complications in a critical condition patient;
14. vascular access;
15. monitoring of cardiovascular dynamics;
16. respiratory monitoring;
17. metabolism monitoring;
18. monitoring of the CNS;
19. sedation and analgesia in the ICU;
20. acute respiratory failure;
21. mechanical ventilation;
22. acute cardiovascular failure;
23. types and division of shock;
24. patient with multi-organ trauma;
25. cardiopulmonary arrest, pathophysiology and management (therapeutic hypothermia);
26. infections in the ICU (sepsis, severe sepsis, septic shock), (Surviving Sepsis Campaign - resuscitation packs and therapeutic packs);
27. fluid therapy;
28. treatment with blood and blood products;
29. nutrition in intensive care;
30. extracorporeal treatment techniques for acute renal, hepatic, circulatory   
    and respiratory failure;
31. clinical assessment systems;
32. judicial decisions in intensive care, including the ruling of irreversible cessation of brain function.
33. The internship ends with an exam covering theoretical knowledge and practical skills. The exam shall be conducted by the head of the ward or a deputy head.

### Partial Internship programme in emergency medicine

Duration of Internship: 1 week.

Purpose of the internship:

strengthening of theoretical knowledge and learning, consolidation and assimilation of practical skills in the field of medical rescue operations and clinical procedures of emergency medicine.

Place of the internship: emergency medicine clinics, emergency medicine clinical departments, hospital emergency departments.

Internship programme:

1. Consolidation of the principles of advanced cardiopulmonary resuscitation and post-resuscitation therapy.
2. Consolidation of the principles of emergency management in multi-organ injuries,  
   in particular:
3. initial assessment of a patient with multiple injuries;
4. maintenance of vital functions of a patient with multiple injuries of the body;
5. practical mastery of the principles of transportation of a patient with multiple injuries;
6. conduct of a secondary assessment of a patient with multiple injuries;
7. learning advanced techniques of peritraumatic diagnostics and the principles of diagnostic differentiation of injuries;
8. clinical management in traumatic shock.
9. Improving the ability to perform intra-hospital triage in emergency situations.
10. Improving the ability to deal with sudden threats to health or life of internal origin, such as:
11. sudden cardiac arrest;
12. acute cardiovascular failure of various etiologies;
13. acute respiratory failure of various etiologies;
14. shock of different etiologies;
15. sudden states of unconsciousness;
16. acute abdominal disorders;
17. acute disorders in pregnant women;
18. acute convulsions.
19. Management of sudden threats to the health or life in children.
20. Emergency management in the case of sudden threats to the health or life of environmental origin:
21. acute poisoning;
22. chemical contamination;
23. thermal injury (burn, heat stroke, hypothermia);
24. drowning, diving injury;
25. electric shock and lightning strike;
26. bites and stings.
27. Mastering the following medical rescue skills:
28. in the scope of cardiopulmonary resuscitation:
29. opening the airways by basic methods,
30. endotracheal intubation,
31. opening the airways with alternative techniques (e.g. laryngeal masks, gel masks, laryngeal tubes, etc.),
32. opening the airways with surgical techniques, including coniotomy and tracheotomy,
33. respiratory support and artificial ventilation,
34. electrical defibrillation and cardioversion,
35. indirect heart massage,
36. performing central intravenous access,
37. liquid resuscitation,
38. decompression of pneumothorax, in particular tension pneumothorax;
39. in the scope of emergency procedures in pre-hospital conditions (medical emergency procedures):
40. securing an injured patient from a damaged vehicle,
41. support of vital functions at the scene of an incident or accident and during transport,
42. cervical and thoracic-lumbar spine immobilisation,
43. fracture immobilisation at the scene of an incident or accident,
44. stopping bleedings;
45. monitoring of essential vital functions during transport and in hospital emergency departments;
46. dressing superficial wounds;
47. principles of conductive anaesthesia and analgesia in hospital emergency procedures;
48. principles of managing emergency childbirth.
49. Consolidation of the principles of the organisation of emergency medicine as well as the organisational   
    and functioning principles of hospital emergency departments, the maintenance of medical records relevant to the hospital emergency department and the implementation of the hospital disaster management plan.
50. Improving the ability to deal with medical emergencies in pre-hospital conditions.
51. Improving skills in handling mass events and disasters,   
    including, in particular, conducting of pre-hospital triage as well as organising   
    and conducting rescue operations.

### PARTIAL INTERNSHIP IN PSYCHIATRY

Duration of Internship: 2 weeks.

Purpose of the internship:

learning, consolidation and assimilation of practical skills of diagnosis   
and management of psychiatric disorders in inpatient   
and outpatient settings.

Internship programme:

1. Diagnosis (assessment of the cause, risks), choice of management and treatment in urgent conditions associated with mental disorders, such as:
2. suicidal behaviour;
3. aggressive and other threatening behaviour;
4. acute psychotic disorder;
5. anxiety panic syndrome;
6. urgent complications of psychopharmacotherapy.
7. Diagnosis and treatment of mental disorders more common in primary health care, learning the possibilities of preventing them:
8. psychiatric and somatic disorders associated with alcohol and other addictive substances;
9. depressive syndromes;
10. neurotic disorders;
11. stress and adaptation reactions;
12. sleep disorders;
13. eating disorders;
14. sexual dysfunction.
15. Diagnosis and principles of rehabilitation of persistent mental disorders  
     and the ability to organise it in a family and local environment:
16. mental impairment;
17. dementia syndromes.
18. Principles of cooperation in specialised treatment and rehabilitation of chronic or recurrent mental disorders:
19. schizophrenic and delusional psychosis;
20. affective diseases;
21. dependence on alcohol and other psychoactive substances;
22. persistent neurotic disorders;
23. persistent eating and sleeping disorders as well as sexual dysfunction.
24. Learning the principles and practical possibilities of using available forms of treatment, rehabilitation, social and environmental assistance as well as social support for people  
     with mental disorders.
25. Mastering the skills of:
26. assessing the mental status, taking into account the specifics of developmental  
     and advanced age;
27. assessing the effect of somatic factors on the mental state of a patient;
28. assessing the impact of mental and environmental factors on the somatic state of a patient;
29. assessing pathogenic factors in the family of a patient;
30. assessing the pathogenic significance of development crises and experiences related to  
     a disease (acute, chronic, terminal) and treatment;
31. establishing a proper contact with a person with mental disorders and mobilising the attitude of interaction in treatment, avoiding iatrogenic effects;
32. crisis intervention management;
33. conducting supportive psychotherapy;
34. making choices in accordance with the legal medical procedure in a situation necessary to act without the consent of the patient;
35. using basic groups of psychotropic drugs, taking into account the prevention of drug addiction.

### PARTIAL INTERNSHIP IN FAMILY MEDICINE

Duration of Internship: 3 weeks.

Purpose of the internship:

learning and consolidation of the organisation and methods of work in the long-term outpatient care and in the patient's home, as well as practical skills for diagnosis, treatment, prevention and rehabilitation of diseases that are the most common cause of patients' reporting to the clinic, as well as requiring long-term treatment  
 in the home environment (care for the chronically ill).

Internship programme:

1. Prevention, diagnosis and treatment of diseases that are the most common cause of patient reporting to the clinic:
2. acute infectious diseases of the respiratory tract (sinusitis, pharyngitis, tonsillitis, laryngitis, tracheitis and bronchitis);
3. otitis media and hearing impairment;
4. infectious diseases, including zoonoses;
5. diseases of the digestive system (in particular, peptic ulcer, cholelithiasis);
6. diseases of the urinary system;
7. skin diseases (in particular purulent infections of the skin and subcutaneous tissue, burns  
    and frostbite);
8. surgical diseases (in particular, soft tissue injuries of the head, trunk  
    and extremities, sprains and contusions of joints, crural varices, haemorrhoidal varices, chronic crural ulcerations);
9. women's diseases (in particular some pregnancy complications, postnatal period complications, menstruation disorders, menopause disorders, genital infections in women);
10. eye diseases (in particular, sight defects, inflammation of the accessory visual structures, eye injuries, glaucoma, cataracts, diseases manifested by visual impairment);
11. nervous system diseases (in particular, dizziness, epilepsy, Parkinson's syndrome, spinal pain syndromes, peripheral neuropathies).
12. Treatment, rehabilitation and care of chronic patients in outpatient   
     and domestic settings, with particular attention to the following diseases:
13. coronary artery disease;
14. hypertension;
15. atherosclerosis;
16. tuberculosis;
17. bronchial asthma;
18. prostatic hyperplasia;
19. renal failure;
20. diabetes,
21. rheumatoid disease, rheumatic disease and degenerative disease of the osteoarticular system;
22. cancer, including palliative care
23. cerebral palsy in children;
24. epilepsy;
25. psychiatric disorders;
26. addictions (alcoholism, drug addiction);
27. cirrhosis;
28. AIDS.
29. In the scope of organisation and methods of work at a clinic and individual medical practice:
30. Organisation of the work at a GP Practice (registration, documentation, principles of cost accounting, medical certification, reporting, principles for writing prescriptions, referrals for diagnostic examination and to specialist doctors as well as medical spa treatment);
31. cooperation with an community/family nurse and a social worker; and   
    with other staff;
32. principles of cooperation with emergency care facilities, with the hospital,  
     with healthcare centre, diagnostic laboratories, with specialists   
    in other areas of medicine, sanitary and epidemiological stations;
33. principles of interaction with local government units, institutions  
    , social assistance organisations as well as schools and educational establishments.
34. Mastering the following skills and activities:
35. assessment of physical and psychomotor development of children, with particular reference to infants;
36. administration of protective vaccinations, according to the vaccination calendar;
37. determination of glycaemia, glycosuria and ketonuria by dry tests;
38. conducting skin tests;
39. putting on a dressing;
40. treatment of wounds;
41. prevention of tetanus;
42. external obstetric examination;
43. determination of heart rate in fetuses;
44. assessment of fetal motility;
45. cytological sampling;
46. collection of material for microbiological tests under ambulatory conditions;
47. performance of anterior packing;
48. removal of ear wax;
49. removal of foreign bodies from the conjunctival sac;
50. visual acuity tests;
51. colour vision tests;
52. binocular vision tests;
53. fundoscopy.

# - EXTRACT-

## Doctor

### PARTIAL INTERNSHIP IN THE FIELD OF INTERNAL DISEASES

Duration of internship: 5 weeks, including internal diseases - 4 weeks as well as blood donation  
 and transfusion medicine - 1 week.

### PARTIAL INTERNSHIP IN PAEDIATRICS

Duration of internship: 4 weeks, including paediatrics - 3 weeks and neonatology - 1 week.

### PARTIAL INTERNSHIP IN GENERAL SURGERY

Duration of internship: 4 weeks, including general surgery - 3 weeks and trauma surgery - 1 week.

### PARTIAL INTERNSHIP IN OBSTETRICS AND GYNAECOLOGY

Duration of Internship: 3 weeks.

### PARTIAL INTERNSHIP IN THE FIELD OF ANAESTHESIOLOGY AND INTENSIVE CARE AS WELL AS IN THE FIELD OF EMERGENCY MEDICINE

#### Partial internship programme in anaesthesiology and intensive care

Duration of internship: 2 weeks, including 1 week - anaesthesiology and 1 week - intensive care.

The internship ends with an exam covering theoretical knowledge and practical skills. The exam shall be conducted by the head of the ward or a deputy head.

#### Partial Internship programme in emergency medicine

Duration of Internship: 1 week.

### PARTIAL INTERNSHIP IN PSYCHIATRY

Duration of Internship: 2 weeks.

### PARTIAL INTERNSHIP IN FAMILY MEDICINE

Duration of Internship: 3 weeks.

Appendix no. 3 to the agreement for practical training corresponding to the scope of the clinical part of the postgraduate internship programme

# General information on processing personal data

# by the Medical University of Bialystok

Pursuant to art. 13 section 1 and section 2 of the Regulation (EU) 2016/679 of the European Parliament   
and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and the repeal of the Directive 95/46/EC (General Data Protection Regulation), the Medical University of Bialystok informs that:

1. the administrator of personal data is the Medical University of Bialystok, ul. Kilińskiego 1, 15-089 Białystok, NIP 542 021 17 17**,** REGON 000288604;
2. you can contact the Data Protection Officer by phone ...... or by e-mail: [iod@umb.edu.pl](mailto:iod@umb.edu.pl);
3. Your personal data will be processed in order to:
4. execute the agreement for practical training – pursuant to art. 6 section 1 letter b of the General Data Protection Regulation,
5. implement the practical training, organised by the Medical University of Bialystok as part of postgraduate education - pursuant to art. 6 section 1 letter c  
    of the General Data Protection Regulation,
6. report and archive – pursuant to art. 6 section 1 letter c of the General Data Protection Regulation,
7. pursue claims and rights – pursuant to art. 6 section 1 letter c and e of the General Data Protection Regulation,
8. communicate information on the recruitment procedure and the course of training pursuant to art. 6 section 1 letter a of the General Data Protection Regulation,
9. communicate information related to the activities of the University, including information on recruitment for newly created postgraduate studies and organised courses – pursuant to art. 6 section 1 letter a of the General Data Protection Regulation;
10. Your personal data may only be disclosed to authorised persons  
     by the administrator for the processing of personal data, to the data processing entities under the entrustment agreement and to other entities authorised by the law, as well as the entities involved in the implementation of practical training;
11. Your personal data shall be stored for the period necessary to achieve the purposes of the processing, resulting from the applicable laws and internal regulations of the administrator;
12. you have the right to access the content of your personal data, correct it, delete it, restrict the processing of your personal data, as well as the right to object to the processing of your personal data and the right to transfer your personal data;
13. you have the right to lodge a complaint with the supervisory authority if you assume that the Medical University of Bialystok is processing your personal data in a manner not complying with the provisions of the General Data Protection Regulation;
14. you have the right to withdraw your consent at any time, without prejudice to the lawfulness of the processing that was carried out on the basis of the consent prior to its withdrawal;
15. during the processing of personal data for the purposes of practical training organised by the Medical University of Bialystok as part of postgraduate education, there is no automated decision making or profiling;
16. the provision of your personal data is voluntary, but it will not be possible to apply for the practical training organised by the Medical University of Bialystok as part of postgraduate education without it.

* I agree to receive information regarding the recruitment procedure for the practical training, organised by the Medical University of Bialystok  
   as part of postgraduate education, and then the course of training, via the indicated e-mail address, in accordance with the Act of 18 July 2002 on rendering electronic services (i.e. Journal of Laws of 2020 item 344).

Date: Signature:

* I agree to receive from the Medical University of Bialystok information related to the activities of the University, including information on recruitment for the newly created postgraduate studies and organised courses via the e-mail address provided by me, in accordance with the Act of 18 July 2002 on rendering electronic services (i.e. Journal of Laws of 2020 item 344).

Date: Signature:

1. Select the appropriate option – if the doctor obtained a professional title before the date of entry into force of the act of 16 July 2020 on amending the act on the professions of doctor and dentist and certain other acts, this period shall be counted from the date of entry into force of this act. [↑](#footnote-ref-1)