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«Витебская ордена «Знак Почета» государственная
академия ветеринарной медицины»

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производственной клинической практики

для студентов 2 курса ССПВО факультета ветеринарной медицины по специальности 1 – 74 03 02 «Ветеринарная медицина»

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Recommended for approval:
Department of Clinical Diagnostics of the Educational Institution "Vitebsk Order of the Badge of Honor" State Academy of Veterinary Medicine (protocol No. 6 dated February 10, 2020);

Department of Animal Hygiene of the Educational Institution "Vitebsk Order of the Badge of Honor" State Academy of Veterinary Medicine "(Minutes No. 11 dated January 28, 2020);

Department of Pharmacology and Toxicology of the Educational Institution "Vitebsk Order of the Badge of Honor" State Academy of Veterinary Medicine" (protocol No. 2 dated February 12, 2020);

Department of General, Private and Operative Surgery of the Educational Institution "Vitebsk Order of the Badge of Honor" State Academy of Veterinary Medicine" (protocol No. 1 dated January 31, 2020);

Council of the Faculty of Veterinary Medicine of the educational institution "Vitebsk Order of the Badge of Honor" State Academy of Veterinary Medicine" (Minutes No. 7 dated April 9, 2020).

EXPLANATORY NOTE

Industrial clinical practice in the 2nd year of the SSHE of the Faculty of Veterinary Medicine is the first one that students pass on their own, directly in advanced livestock farms, institutions, organizations of the state and departmental veterinary service and aims to prepare students for a deeper assimilation theoretical knowledge, training in professional skills, mastering the technology of animal husbandry. The practice program includes the following tasks:

- **familiarization with the basics of livestock production;**
- **mastering practical skills in the care, maintenance and feeding of animals;**
- **consolidation of theoretical knowledge and acquisition of practical skills and abilities in the disciplines included in the practice program.**

In accordance with the goals and objectives of industrial clinical practice, the implementation of the approved program is mandatory.

Industrial clinical practice of students of the 2nd year of SSHE is the most important stage of the educational process for the training of veterinarians. It will consolidate and expand the knowledge, skills and practical skills acquired by students in the lecture, laboratory and practical course on clinical diagnostics, animal hygiene, pharmacology, operative surgery with topographic anatomy.

During the internship, students are required to:

- **to carry out the tasks stipulated by the practice program;**
- **obey the internal regulations in force at enterprises, institutions and organizations;**
- **participate in the social life of the team;**
- **promote and put into practice veterinary knowledge, best practices, the latest techniques and methods of work.**

Practice in each of the disciplines begins with a preliminary acquaintance of students with the tasks, the program, the specifics of the place of practice, safety precautions, the rules for collecting material and internal regulations for the period of work.

The practice program was compiled in accordance with the educational standard OSVO 1-74 03 02 - 2013, taking into account the educational program of secondary specialized education. The practice is aimed at consolidating the knowledge and skills acquired in the learning process in the production environment, mastering the skills to solve social and professional problems, and production technologies.

TARGETS AND GOALS

INDUSTRIAL CLINICAL PRACTICE

The purpose of the industrial clinical practice in clinical diagnostics:

- **formation of professional diagnostic skills and practical skills;**

- **consolidation, generalization and systematization of knowledge on clinical diagnostics through their application in real activities;**
- **expansion and deepening of diagnostic knowledge, thanks to the study of the work of specific enterprises and institutions;**
- **practical development of modern diagnostic equipment and technologies;**
- **arming students with initial experience of professional diagnostic activity;**
- **consolidation, expansion and systematization of knowledge on clinical diagnostics based on the study of the work of specific services, enterprises;**
- **accumulation of experience in practical production activities in clinical diagnostics;**
- **preparation of students for independent professional activity, etc.**

Tasks of industrial clinical practice in clinical diagnostics:

- **acquisition by students of professional skills in the specialty, consolidation, expansion and systematization of knowledge gained in the study of clinical diagnostics;**
- **acquaintance with the issues of rational organization of the work of the livestock industry;**
- **acquisition in practice of diagnostic knowledge and skills necessary for professional activity;**
- **development and application of basic and special clinical, laboratory and functional methods for studying animals of different species;**
- **study of individual body systems in accordance with the generally accepted plan using traditional and latest research methods;**

- **identification of symptoms and syndromes of animal diseases, their analysis and diagnosis;**
- **mastering the methodology for dispensary examination of animals, the rules for drawing up clinical documentation, the rules of labor protection, fire safety and personal hygiene when working with animals and in a laboratory.**

The purpose of the industrial clinical practice in animal hygiene is conduct a veterinary-sanitary and hygienic examination livestock premises (cow barn, pigsty, poultry house), give a sanitary and hygienic assessment of compliance with the conditions for keeping, feeding and watering animals for compliance with their sanitary and hygienic standards.

Tasks of industrial clinical practice in animal hygiene:

- **conduct a sanitary and hygienic assessment of one of the premises for keeping animals (birds) at an agricultural enterprise (farm, complex, poultry farm), draw up its sanitary passport, including descriptions of the state of the enclosing structures, conditions for keeping animals and sanitary protection. Develop specific hygienic and veterinary and sanitary measures to improve the conditions for keeping animals in the examined premises;**
- **to carry out a sanitary and hygienic examination of the places where feed is stored, to give a veterinary and sanitary conclusion on the quality of feed and the conditions for feeding animals;**
- **to study the sanitary condition of the water supply source of the farm and the conditions for watering animals;**
- **conduct a hygienic assessment of the summer-pasture keeping of animals, pay attention to the fulfillment of the requirements for the transition of animals from stall to pasture keeping.**

The purpose of industrial clinical practice in pharmacology

- **consolidation, deepening and systematization of knowledge about the properties, action and the use of drugs in the practice of veterinary medicine.**

Tasks of industrial clinical practice in pharmacology:

- **consolidate theoretical knowledge in pharmacology and acquire practical skills in the use of medicines;**
- **master practical skills in the technology of dosage forms;**
- **get acquainted with the structure, functions and organization of the work of a veterinary pharmacy;**
- **study the rules for storing medicines in veterinary pharmacies and on the farm;**
- **get acquainted with the provision of farms with medicines;**
- **master the methods of administering drugs to different types of animals;**
- **to acquire skills in procurement of medicinal raw materials of plant origin.**

The goal of the industrial clinical practice in operative surgery with topographic anatomy is work out and fix the OS- basic skills in safety when working with animals, asepsis and antisepsis, general and local anesthesia, drug administration, desmurgy, castration of males and females.

Tasks of industrial clinical practice in operative surgery with topographic anatomy:

- **consolidate knowledge of safety precautions when conducting research and providing medical care to animals and master the methods of their fixation;**
- **master the preparation of instruments, suture and dressing material, the operating field and the surgeon's hands;**
- **to consolidate the acquired knowledge on the introduction of medicinal substances and local anesthesia;**
- **study and describe the means used for sedation, immobilization vaniya and calming animals. Work out the technique of applying bandage bandages to various parts of the body;**
- **under the guidance of a veterinarian to consolidate in practice technique of castration of males and females in various ways and methods.**

REQUIREMENTS FOR THE COMPETENCE OF A SPECIALIST WHEN PASSING INDUSTRIAL CLINICAL PRACTICE

Requirements for academic competencies of a specialist:

- **AK-1. Be able to apply basic scientific and theoretical knowledge for solution of theoretical and practical problems.**
- **AK-2. Own system and comparative analysis.**
- **AK-3. Possess research skills.**
- **AK-4. Know how to work independently.**
- **AK-5. Be able to generate new ideas (be creative).**
- **AK-6. Have an interdisciplinary approach to problem solving.**
- **AK-7. Have skills related to the use of technical devices, information management and computer work.**
- **AK-8. Possess oral and written communication skills.**
- **AK-9. Be able to learn, improve their skills throughout life.**
- **AK-10. Own the method of recognition of pathological processes.**
- **AK-11. Be able to apply various research methods when making a diagnosis.**

- **AK-12. Own the methodology of organizing preventive, diagnostic physical, medical and veterinary-sanitary measures.**

- **AK-13. Be able to properly apply in livestock enterprises yakh zoohygienic requirements for keeping, feeding and caring for animals, reproduction of the herd, obtaining benign products.**

- **AK-14. Be able to use economic methods in the organization all types of veterinary activities.**

Requirements for the social and personal competencies of a specialist:

- **SLK-1. Possess the qualities of citizenship.**
- **SLK-2. Be capable of social interaction.**
- **SLK-3. Possess the ability for interpersonal communication.**
- **SLK-4. Learn health care skills.**
- **SLK-5. Be capable of criticism and self-criticism.**
- **SLK-6. Be able to work in a team.**
- **SLK-7. Be able to find the right solutions in an emergency small conditions.**
- **SLK-8. Have life support skills in long-term conditions stay in remote settlements, extreme conditions.**
- **SLK-9. Possess skills in solving production problems in conditions of market relations.**
- **SLK-10. Be able to quickly find the right solutions in conditions the occurrence of infectious and non-infectious animal diseases.**

Requirements for the professional competencies of a specialist: ***Diagnostic, therapeutic and preventive activities*** **PC-1. Treat animals humanely, record and kill them during therapeutic, preventive, diagnostic and other measures.**

PC-2. Collect anamnesis, identify the causes of animal diseases, conduct a clinical examination and examination of all types of animals, evaluate the results of laboratory tests and link it with the diagnosis.

PC-3. Carry out diagnostics, treatment and prevention of diseases of the respiratory organs, digestive system, circulatory and hematopoietic organs, urinary system, metabolic disorders, gynecological diseases, surgical diseases, parasitic and infectious diseases using approved means.

PC-4. Inject drugs intramuscularly, subcutaneously, intradermally, intravenously, intraperitoneally, intraperitoneally, aerosol administration of drugs, catheterization,

probing, stopping external and internal bleeding, treatment, bandaging of wounds, washing the stomach and intestines, setting enemas, conducting novocaine blockades.

PC-5. Perform castration of males and females, surgical operations of any complexity, trimming of hooves, dehorning of young cattle, amputation of tails.

PC-6. Prepare therapeutic and prophylactic solutions, ointments, powders, etc. and use them for treatment and prevention, including using medicinal plants.

PC-7. Carry out antiepizootic (general and special) measures: vaccination, deworming, allergic and other research and treatment of animals.

PC-8. Carry out autopsy of animal corpses and draw up relevant documents.

PC-10. Maintain professional accounting and reporting documentation and, in general, veterinary office work (journals, acts, protocols for the disposal of animals, etc.).

PC-14. Organize and carry out disinfection, deratization, disinfestation, disinfestation, desacarization of livestock and other facilities using existing methods.

PC-15. Based on knowledge of the rules of feeding and formulating diets, prescribe dietary feeding to sick animals.

PC-16. Use physiotherapeutic agents, medicinal plants for therapeutic and prophylactic purposes.

PC-17. Implement the requirements for life safety when carrying out veterinary activities, take into account the requirements for environmental protection, and take measures to prevent industrial injuries and occupational diseases.

PC-18. Conduct inspection and veterinary and sanitary examination of livestock products, plant foods and take measures for their veterinary and sanitary assessment in order to prevent diseases transmitted through animal products.

PC-19. To promote knowledge of veterinary medicine among the population and livestock workers.

PC-20. To master the methods of searching and using scientific and technical information, to put into practice the achievements of science and the best practices of veterinary medicine, to work independently with educational, scientific, regulatory, reference literature in order to use it to solve professional problems.

PC-21. Use information technology in solving production problems. *Research activities*

PC-22. Engage in analytical and research activities in the field of veterinary medicine.

PC-23. Participate in the creation of modern information technologies in order to automate management activities.

PC-24. To study the trends in the development of modern forms of agricultural production.

PC-25. Work with scientific, reference and special literature.

PC-26. Conduct research on the effectiveness of the applied methods and methods of treatment and diagnosis.

PC-27. Explore animals. *Organizational and managerial activities*

PC-34. Control and maintain labor and production discipline.

PC-35. Draw up documentation (work schedules, instructions, plans, applications, etc.), as well as reporting documentation in accordance with established forms.

PC-36. Collaborate with related professionals. PC-37. Analyze and evaluate collected data.

PC-39. Negotiate with other stakeholders. PC-40. Prepare reports, materials with presentations.

PC-41. Use global information resources. PC-42. Own modern means of telecommunications. PC-43. Organize effective management of the veterinary service on farms in the conditions of a vast territorial dispersal of individual livestock enterprises.

Supervisory and control activities

PC-45. Develop binding instructions on the implementation of veterinary-sanitary and anti-epizootic measures and control their compliance with the current legislation of the Republic of Belarus on veterinary business.

PC-46. Develop directives, binding on legal entities and individuals, on the slaughter or destruction of animals in case of their infection with especially contagious diseases in accordance with the list approved in accordance with the established procedure, as well as on the destruction, processing or other use of products of animal origin recognized unsuitable for consumption due to animal diseases.

PROCEDURE, ORGANIZATION AND PRACTICE GUIDANCE

The practice of students of the 2nd year of SSHE of the Faculty of Veterinary Medicine is carried out in accordance with the Regulation on the procedure for organizing, conducting, summarizing and material support of the practice of students of higher educational institutions of the Republic of Belarus, approved by the Resolution of the Council of Ministers of the Republic of Belarus on 03.06.2010 No. 860 and the Regulation on the organization, conduct, summing up and material support of the practice of students of the EE VGAVM of all forms of higher education P - 02 -73 - 2018 of 11/26/2018

The order of passage, organization and management of practice

The duration of industrial clinical practice for 2nd year students of the SSHE Faculty of Veterinary Medicine is 4 weeks (216 hours / 18 credits in total). Practice must be completed at the district veterinary station or agricultural enterprise. Students studying on the basis of an agreement on targeted training undergo clinical work practice in the farms with which the agreement has been concluded.

During the period of practice, students are required to complete the program in clinical diagnostics, animal hygiene, pharmacology, operative surgery with topographic anatomy. At the same time, an important point is the acquisition by students of practical skills in these disciplines in accordance with the given tasks for them.

What to do before the internship:

1. **Decide on the place of practice - choose a veterinary station or economy. On the official website of the academy(*http://www.vsavm.by/fakultetveterinarnoj-mediciny/praktika/*) posted lists of district veterinary stations of the Republic faces of Belarus with their addresses and phone numbers, as well as a list of basic agricultural organizations where you can do an internship. The holding must have all kinds of animals (or the holding and the private sector).**

2. Fill in in accordance with the sample (the sample is posted on the website and at the dean's office) form contract in two copies (take it from the educational and methodological department or download it from the website of the academy, register it at the educational and methodological department), conclude an agreement with the RVS or the farm for a period of 4 weeks. Pay attention when concluding a contract for the provision of housing.

3. Download the form from the site travel certificate for 2 courses of SSVO FVM and fill it out in accordance with the sample, hand it over to the dean's office for further processing.

4. Download the form from the site directions and fill it in according to agreement with the sample, hand it over to the dean's office for further processing.

5. Download from the site in the section "Faculty of Veterinary Medicine" - "Practice" - "Practice programs" practice program, as well as "The procedure for passing and issuing documentation of work practice" ...

6. Get in the dean's office bypass sheet -II and sign it before leaving.

7. Attend a course meeting on practice.

8. Take a briefing at the assigned department and get individual task...

9. Expose mark about the training on labor protection (the headman draws up for a group with the leading engineer for labor protection - the main building, ground floor, room 9).

10. With a signed bypass sheet-II and issued individual ny task to come to the dean's office and get your package of signed documents.

Residents of the city of Vitebsk and the Vitebsk region can draw up an agreement with a nearby farm (for example: PK "Olgovskoye", KUSHP "E / b Tulovo", SUP "Lipovtsy", OJSC "Vozrozhdenie", Branch "Rudakovo" OJSC "Moloko", UE " Vitebskoblgaz" SHP "Mazolovogaz", JSC "Vitebsk Broiler Poultry Farm", Branch "Luchesa" JSC "Vitebsk Grain Plant", etc.).

It is impossible to go through the entire practice at the city veterinary stations and veterinary clinics.

Before leaving for practice, students must: **Prepare a package of documents that is submitted to the dean's office for certification by the signature of the dean and the seal of the faculty:**

1. travel certificate;

2. direction;

3. an individual task, which is issued by the head of practice tics from the department and is endorsed by an occupational safety engineer after passing an introductory safety briefing;

4. bypass sheet-II, in exchange for which the student receives bath package of documents for practice.

The internship organization provides:

- **conclusion of an internship agreement;**
- **issuance of an order on enrolling a student for practice, on consolidating a student for an experienced worker - the direct supervisor of the practice in his structural unit;**
- **conducting an introductory briefing on safety equipment with the student; safety and labor protection and briefing at the workplace with the execution of the established documentation;**
- **familiarization of the student with the rules of the internal labor regulations; for an organization, job descriptions of a specialist whose duties he will perform during the period of practice;**
- **confirmation of the arrival-departure of the student in the travel allowance certification, issuance of a certificate of absence of wages during the period of practice.**

The practice leader from the organization should:

- **together with the trainee to draw up a calendar plan for work on the the period of practice in accordance with the program of practice, the individual task and the production capabilities of the host organization;**
- **monitor the implementation of the practice program and daily reflection recording the progress of work in the diary of practice;**
- **at the end of the practice, issue and sign a review of the passage student practice;**
- **sign the report and diary of the student's internship, control the signing of the diary and report by the head of the organization, their certification with the seal of the organization.**

Organization of student labor during the production clinical practice comes down to the following:

1. **Arrive on time at the place of internship with documentation on the internship and the program of internship, confirming the arrival in the travel certificate with the signature of the head and the seal of the organization.**
2. **Familiarize yourself with the internal labor regulations of the organization, job descriptions, take an introductory briefing on safety and labor protection, briefing at the workplace.**

3. Under the supervision of the direct head of the practice, carry out the practice program, draw up a calendar plan *(Appendix 10*), daily reflect the progress of the work in the practice diary.

4. Compile a report on the implementation of the program.

5. Strictly observe the internal regulations of the organization.

6. At the end of the internship, receive a written review from the head of the internship from the organization about the internship (signed and sealed).

7. Confirm the departure from the place of practice with the seal of the organization in the travel certificate, take a certificate of absence of wages.

8. A student who did not complete the internship program, received a negative review from the head of practice from the organization, an unsatisfactory mark when passing the dif. credit, re-sent to practice in their free time from training.

Preparation of reporting documentation during the practice:

one. Diary...

All work done by the student-trainee should be reflected in the diary, the entries in which are kept daily, legibly and completely. Records are kept in handwritten form.

Diary form:

date	Place of work	Content and scope work done	Signature leader
one	2	3	4

A sample of the title page is available in the "Procedure for the passage and execution of documentation for internship" (on the website of the academy) and in the internship program *(Appendix 2*). The diary is checked weekly and signed by the practice leader from the organization. The diary must end with the signature of the direct head of practice from the organization or the signature of the head of the relevant institution, sealedseal organizations.

2. Report. Intern students prepare a short report (3-5 countries nits) based on the results of practice in the context of each discipline, indicating what practical skills and abilities have been acquired and consolidated.

The report is drawn up on A4 paper, stapled, computer typing is allowed. Title page*(Appendix 3*) the report is signed by the trainee, the date of the report is indicated. On the back of the title page must be signed by the immediate supervisor

practice and the head of the organization, put seal organizations. A detailed description of the requirements for the report is in the practice program (see below the requirements for each discipline).

The list of documents that a student-trainee must have after the internship:

1. internship diary (signatures and seal of the organization);

2. a report on the internship (signature and seal of the organization);

3. recall of the head of practice from the organization (signature and seal of the organization);

4. calendar plan;

5. travel certificate (in each place of practice, put down the date of arrival and departure, confirming with the seals of the organization);

6. a certificate from each place of practice on the absence of wages (with the seal of the organization / organizations);

7. individual task for practice.

Provision of reporting documentation on practice

to the educational and methodological department:

After the end of the practice during the lecture week, the student is obliged to complete the documentation and submit it to the educational and methodological department for checking the completeness and correctness of registration. The set of documents must be collected in a drawstring folder, which must be signed in accordance with*application one*...

The kit should include:

1. diary;

2. report;

3. feedback on the internship (formed by the head of practice from the organization / head of the organization, sealed with the seal of the organization);

4. calendar plan (compiled jointly with the head of practice from the organization (no need to stamp));

5. individual task;

6. applications.

After registration, the reporting documentation is sent to the appropriate department for verification. After checking and giving a detailed analysis in the assessment sheet by the head of the practice from the department of the student's internship, the reporting documentation must be protected at the assigned department with an assessment. The grade is put in the statement and the record book by the teacher who checks the reporting document.

mentation. The terms for passing the defense are determined by the dean's office of the faculty of veterinary medicine.

Documents to be submitted to the accounting department: **Group students must immediately submit documents with all signatures and seals to the head of the group upon arrival:**

1. Travel certificate, in which, based on the results of practice there must be two seals of the farm or rayvet station (“arrived” and “departed”) and signatures of officials. If the practice takes place in several places, then upon arrival, each place of practice is marked “arrived”, upon departure – “departed”.

2. Certificate from the place of practice about the lack of wages in the period practice (from each place of practice).

3. Advance report (to be completed after practice). First day upon arrival from practice, the headman receives the forms necessary for filling out in the accounting department of the VGAVM, the group fills them out, the headmen of the groups within 3 days after arrival from practice submit the entire package of documents of the group to the accounting department.

PRACTICE CONTENT

1. CLINICAL DIAGNOSIS

As a result of practical training in clinical diagnostics, the student must:

KNOW:

- rules on labor protection and personal hygiene when working with animals and in the laboratory;

- methodology for recognizing a disease process;

- basic clinical, special, laboratory and functional research methods;

- Animal research plan;

- rules for taking, preserving and sending blood, urine and other biological materials for laboratory analysis;

- method of medical examination of animals;

- the main syndromes of non-contagious pathology of animals; *BE*

ABLE TO:

- to fix animals during clinical research and obtaining material for laboratory analysis;

- apply basic and special research methods;

- conduct a clinical study of animals;

- receive and examine blood, urine, gastric contents, feces;

- qualified to make a conclusion based on the results of clinical and laboratory studies;

- professionally competently fill out clinical documentation; *OWN:*

- methods of fixation of animals and methods of obtaining material for laboratory research;

- clinical (basic and special), laboratory and functional research methods.

When undergoing industrial clinical practice, students must consolidate the practical skills and abilities acquired during the study of clinical diagnostics by mastering and describing in detail the following tasks in the work diary:

***Exercise 1*...** **Register in the Register of Patients (Form No. 1-vet) at least 3 sick animals of different species admitted for outpatient admission and treatment, owned by a farm, a private owner, in accordance with *application 4*... A copy affixed with his own signature and the signature of the head of practice, attach to the report.**

***Task 2*...** **Conduct a clinical trial of at least 3 animals of different species with different diseases according to the plan - registration, anamnesis of life and disease, general examination (habitus, hairline, skin, subcutaneous tissue, visible mucous membranes, superficially located lymph nodes, thermometry), examination individual systems (cardiovascular, respiratory, digestive, etc.). The results of the research should be described in detail in the diary. Under the guidance of a veterinarian, make a diagnosis and develop a treatment.**

When conducting a clinical study, apply general (examination, palpation, percussion, auscultation, thermometry) and special (instrumental) methods.

***Assignment 3*...** **Under the guidance of a veterinarian, conduct a general inspection of the herd (100 cows), groups of animals (calves in the pen 10 heads, pigs in the pen (20 heads) and identify sick animals. Then conduct an individual examination of the isolated animals, a clinical study and establish a diagnosis.**

***Assignment 4*...** **Under the supervision of a veterinary specialist of the farm, work on the technique of taking blood (at least 30 samples) depending on the proposed study. Conduct appropriate preparation of instruments, test tubes, choose a means of stabilizing blood for hematological examination, obtain serum for biochemical and serological studies and plasma for assessing acid-base balance (reserve alkalinity). Personally prepare blood samples for transportation to the diagnostic department of the district veterinary station or the zonal district veterinary laboratory. Issue a cover note and inventory (statement)*(Appendix 5, 6)* copies of which are attached to the report. In the diagnostic department (laboratory), determine the total protein, reserve alkalinity, total calcium, phosphorus and carotene in the blood serum, draw a conclusion based on the results of the studies.**

***Task 5*...** **Take urine samples from at least 3 animals during the natural act of urination (if necessary, through catheterization), evaluate its physical properties and interpret the results in conjunction with the data of a clinical study of the urinary organs.**

***Assignment 6*...** **Under the guidance of a veterinary specialist of the farm take personal part in the clinical reception and treatment of sick animals of different species (cattle, horse, pig, dog, cat, bird), in the amount of at least 4-5 animals with different diagnoses. In this case, make entries in the diary in an abbreviated version according to the following scheme:**

1. Conducted a clinical trial under the direction of a veterinarian following and provided treatment to the animal (species, genus, breed, individual number or nickname, age, fatness).

2. Describe the history of life (origin, maintenance, feeding, exploitation) and illness (when it got sick, what signs were noticed, whether other animals get sick, treatment was carried out or not, if treatment was provided, then with what).

3. Indicate general symptoms: temperature, pulse, respiration, ruminal ruminants and other specific signs on the basis of which a diagnosis can be made.

4. Specify the diagnosis in Russian and Latin.

5. Substantiate the prescribed treatment by a summary of the mecha- the mechanism of action of the drug and write out prescriptions for medicines.

6. Indicate the results of therapeutic measures and outcome.

All work performed by the student-trainee in the discipline should be reflected in the diary, the entries in which are kept daily, legibly and completely.

Requirements for the content and design of the report

for clinical diagnostics

In the practice report (section clinical diagnostics), the student must reflect:

- **the volume of diagnostic, preventive and therapeutic events;**
- **to analyze the state of diagnostic and therapeutic work in place of internship;**
- **provision of the veterinary service of the economy with the necessary information; tools, devices and other objects of professional activity;**
- **what practical skills and abilities are acquired and fixed in practice time.**

2. ANIMAL HYGIENE

During the internship in the discipline "Animal Hygiene" the student must:

KNOW:

- **theoretical foundations of the influence of the external environment on the organism of animals;**
- **hygienic standards and rules for keeping, feeding, watering, care and rearing of various age and production groups of animals;**

BE ABLE TO:

- conduct sanitary and hygienic surveys of environmental indicators (air, soil, water, feed, premises, etc.);

- develop measures to prevent potential sources of disease associated with adverse environmental factors;

OWN:

- methods of sanitary and hygienic assessment of livestock and veterinary outdoor objects, the external environment;

- basic animal care practices.

Based on the conducted studies, it is necessary to draw a conclusion on compliance with hygienic requirements for the conditions of keeping, feeding and watering farm animals, make specific comments and give suggestions for their elimination, conduct a comparative analysis of the number of diseases associated with unsatisfactory conditions for keeping animals. Based on the results of the work performed, it is necessary to draw up a hygienic passport and acts in the appropriate form (*Applications 7, 8, 9*).

Scheme for the sanitary and hygienic assessment of feed and feeding conditions for animals in the summer

1. Technology of fodder harvesting (haylage, silage, hay).

2. Rules for sampling for research (hay, haylage, silage, grass pasture, concentrates, grain feed).

3. Sanitary and hygienic assessment:

- hay (straw) (color, smell, humidity, harvesting phase, uniformity and botanical composition, the presence of mechanical impurities, poisonous and harmful plants, fungi infestation);

- grain feed (color, smell, humidity, uniformity of presence mechanical impurities of seeds of poisonous and harmful plants, acidity, fungal infection);

- succulent feed (color, smell, consistency, humidity, uniform ness, the presence of mechanical impurities, pH, infection by fungi).

4. Storage conditions for grain, coarse, succulent feed (used storage facilities, their condition, storage method, presence of conditions conducive to food spoilage).

5. Preparation of feed for feeding (name of the object, production preparing feed, type and method of preparation).

6. Compliance with the hygienic rules for feeding animals on the farm quality (feeding regimen and distribution of feed; sequence of feeding

nia; daily allowance and need; change of feed, distribution and features of feeding animals in different periods of the physiological state, etc.).

7. Evaluation of feeders for different production-age and new groups of animals and care for them.

8. Use of driven pasture:

- **the number of animals in the herd, in the paddock;**
- **number of paddocks;**
- **duration of use of 1 paddock in days;**
- **remoteness from livestock buildings, livestock routes.**

9. The main diseases of animals on the basis of violations of zoohygienic rules of feeding or the use of low-quality feed found on the farm.

Requirements for the content and design of the report in Animal Hygiene

The report should contain a brief description of the results of the veterinary-sanitary and hygienic assessment of the territory of the premises under examination, the main parts of the livestock building, the internal layout of the premises; familiarize yourself with and describe the technological equipment of the systems: ventilation, heating, lighting, milking, removal, storage and disinfection of manure (litter). Indicate the presence and method of using bedding materials, flooring. Describe the state of veterinary and sanitary protection. Describe the results of a veterinary-sanitary and hygienic examination of the methods of harvesting, storage, preparation and feeding of feed on the farm. To study the conditions of keeping animals in the summer. Present the results of studies of the sanitary condition of water supply sources, the quality of drinking water and the conditions for watering animals on the farm. As an annex to the report, acts of sanitary examination of the premises, water source and water supply system, conditions of grazing animals, sanitary assessment of feeding and feed quality should be attached.

3. PHARMACOLOGY

As a result of the internship, the student must:

KNOW:

- **pharmacokinetics, mechanism of action and pharmacodynamics of drugs;**
- **indications and contraindications for the use of drugs used in the practice of veterinary medicine;**

- **patterns of action of drugs on the body of animals;**
- **structure, equipment and functions of a veterinary pharmacy;**
- **rules for the storage and use of medicines;**
- **rules for issuing prescriptions for various dosage forms;**
- **technology for the preparation of dosage forms;** ***BE***

ABLE TO:

- **equip a veterinary pharmacy, organize the acquisition, accounting and storage of funds of various pharmacological groups;**
- **choose an effective drug, calculate the dose of the drug, taking into account the dosage form, species, age, sex, live weight, physiological state of the animal and the route of administration;**
- **write out prescriptions for various dosage forms;**
- **prepare and use medicinal raw materials of plant origin;**

- **use reference manuals and instructions;**
- **use pharmacy equipment;** ***OWN:***

- **technology for the preparation of various dosage forms;**
- **the technique of introducing drugs into the body of animals;**
- **technology of procurement of medicinal plant materials.**

Thematic plan for internship

1. Topic: "Veterinary Pharmacy"

1.1. To study the functions and organization of work of a veterinary pharmacy (farms and veterinary stations).

1.2. Outline the plan of the veterinary pharmacy. Describe the purpose and equipment of the rooms and premises of the pharmacy (if any): prescription, assistant, material, washing, basement.

1.3. To characterize the provision of the veterinary pharmacy with medicines, tools, and veterinary equipment. Indicate what reference literature is available in the pharmacy.

1.4. Outline the observance in the pharmacy of the rules for the storage of medicinal substances depending on the group (“A” - poisonous, “B” - potent and drugs of the “General List”), the physicochemical properties of drugs that require special storage conditions.

2. Topic: "Medicinal raw materials of plant origin"

2.1. To study medicinal plants found in the practice area. Describe some of them. Give the name of the plant

in Russian and Latin, indicate the active principles, which parts of the plant are medicinal raw materials, pharmacological significance and in which dosage forms they are used.
2.2. Describe the collection, drying, storage of specific medicinal herbal raw materials, indicate in what quantity the farm prepares it.

3. Topic: "The use of pharmacological agents in the provision of veterinary care for sick animals
3.1. Write out prescription drugs that have been used in practice.

3.2. Prepare dosage forms necessary for the treatment of animals in practice (solutions, ointments, powders, mixtures, infusions, decoctions, etc.), describe their technology.
3.3. Give pharmacotherapeutic characteristics of some drugs used in practice (form of release, mechanism of action, indications and contraindications for use).

Requirements for the content of the report on practice in pharmacology **The material for compiling the report is the analysis of the entries in the diary.**

4. OPERATIVE SURGERY WITH TOPOGRAPHIC ANATOMY As a

result of the internship, the student must: *KNOW:*

- **safety precautions when conducting research and providing medical care to animals;**
- **methods and means of prevention of surgical infection;**
- **methods of anesthesia and immobilization of all types of animals;**
- **methods and means of prevention of surgical infection;**
- **rules for separation and connection of tissues, prevention and control of bleeding:**
- **topographic anatomy of animals;**
- **desmurgy;**
- **rules and methods of operations in the area of the head, trunk and extremities;**
- **medical, economic and cosmetic operations;**
- **preparation and fixation of animals before X-ray diagnostics;**

- **X-ray methods of research;**

BE ABLE TO:

- carry out fixation, immobilization and anesthesia of all types of animals;

- prepare the operating field and the surgeon's hands before performing a surgical operation;

- sterilize surgical instruments, syringes, needles and glassware, suture and dressing material, surgical items;

- separate and connect tissues, stop bleeding;

- apply bandages to various parts of the animal's body;

- find out the conditions and causes that cause surgical diseases, conduct a clinical study of a sick animal, make a diagnosis, prescribe treatment and write out prescriptions;

- determine the exact topography of the pathological process and the location of all tissues, blood vessels and nerves in this area;

- perform operations on individual parts of the animal's body and organs;

- to own X-ray methods of research;

- make a diagnosis by means of X-ray examination; *OWN:*

- organization of surgical work in farms of any type and purpose;

- to master the technique of surgical operations.

1. The student must conduct an analysis of the work on the farm for the organization safety precautions when fixing animals, work out the technique of fixing a horse in a standing position. Methods of knocking down and fixing a horse in a lying position. To consolidate the skills of laying down in the Belarusian or Russian way, as well as fixing horses in other ways (one of these methods is described in the diary).

Work out the technique of fixing cattle in a standing position (describe fixation in one of the machines: mechanical, semi-automatic or automatic). Methods of felling cattle according to Hess, Chinotti and others.

To fix the pigs with the help of movable rope loops, metal clamps in the machine - splitting, knocking down and fixing the pigs according to N.L. I'll overshoot.

Work out the fixation of goats and sheep. Carry out fixation of dogs, cats, rabbits and birds (one of the methods of fixation of the listed animal species should be described).

2. Develop the ability to conduct local anesthesia in animals (superficial, infiltration, conduction, epidural, sacral, lumbosacral, lumboepidural). One of the above ways to describe in a diary. To study the available tools and devices for general and local anesthesia in the household.

3. Practice on animals the technique of applying and removing bandages knitting (circular, spiral, spiral with kinks, creeping, figure-of-eight, etc.). To consolidate the skills of applying special bandages to individual parts of the body (horns, tail, hoof, joints, kerchiefs on the head, corolla, fetlock, etc., adhesive bandages (sling-like, deaf or covering). Medical bandages, napkins, patches (bandage with metal nanoparticles, ointments, liniments and therapeutic impregnations).

Describe in the diary when providing medical assistance to an animal using a bandage, what kind of bandage was applied and the technique of its application.

4. Conduct an analysis of the methods of castration of animals (bloody, bloodless ny (percutaneous)), used in the farms of the Republic of Belarus.

Carry out, under the guidance of a veterinarian, castration of one of the animal species with a further description of this method and method in the diary: stallions in a lying or standing position; bulls, rams, goats. Castration of old rams and goats with amputation of the scrotum. Castration of boars in an open, closed way and "on a break". Castration of rabbits, nutrias, minks, camels, deer, males, cats, roosters. Castration of cryptorchids. Castration of hermaphrodites. Castration of females. Castration of pigs (purpose, preparation for castration, post-castration care). Ways of inhibition of sexual function in fattening pigs (chemical and operational).

If there were post-castration complications, describe in the diary what methods of treatment the animal was carried out.

All work performed in the discipline is reflected in the diary and report on industrial clinical practice.

Requirements for the content and design of a report on operative surgery with topographic anatomy

Describe in the report: what practical skills and abilities are acquired and consolidated during the practice, analyze and summarize the practice in the discipline.

INFORMATION AND METHODOLOGICAL PART LIST

OF BASIC AND ADDITIONAL LITERATURE:

CLINICAL DIAGNOSIS

Main literature

1. Clinical diagnosis of animal diseases: a textbook for students of higher education institutions in the specialty "Veterinary Medicine" / A. P. Kurdeko [and others]; ed. A. P. Kurdeko. - Minsk: Information Center of the Ministry of Finance, 2013. - 544 p. : ill. – Bibliography: p. 533–534.
2. Clinical diagnostics of animal diseases: workshop: textbook for students of higher educational institutions in the specialty "Veterinary medicine" / A. P. Kurdeko [and others]; Ed.: A. P. Kurdeko, S. S. Abramov. - Minsk: Information Center of the Ministry of Finance, 2011. - 400 p. : tab., photo.color. – Bibliography: p. 395–397.
3. Clinical diagnostics with radiology: a textbook for university students in the specialty "Veterinary" / E. S. Voronin [and others]; ed. E. S. Voronin. - Moscow: KolosS, 2006. - 509 p. : ill.
4. Workshop on the clinical diagnosis of animal diseases: a textbook for university students in the specialty "Veterinary" / M. F. Vasiliev [and others]; ed. E. S. Voronin. - Moscow: KolosS, 2004. - 269 p. : ill.
5. Usha, B. V. Clinical diagnosis of internal non-communicable animal diseases: a textbook for university students majoring in Veterinary Medicine / B. V. Usha, I. M. Belyakov, R. P. Pushkarev. - Moscow: KolosS, 2004. - 487 p. : ill. – Bibliography: p. 475–476.

Additional:

1. Taking blood from animals: a teaching aid for students in the specialty "Veterinary Medicine" / A. P. Kurdeko [and others]; Vitebsk State Academy of Veterinary Medicine, Department of Clinical Diagnostics. - Vitebsk: VGAVM, 2008. - 33 p. : rice. – Bibliography: p. 32.
2. Internal non-communicable diseases of animals: a textbook for university students majoring in Veterinary Medicine / I. M. Karput [and others]; ed. I. M. Karput. - Minsk: Belarus, 2006. - 679 p. : ill.
3. Karput, I. M. Hematological atlas of farm animals / I. M. Karput. - Minsk: Urajay, 1986. - 183 p. : illustration, photo.color – Bibliography: p. 180–182.
4. Methods of veterinary clinical laboratory diagnostics: a reference book / I. P. Kondrakhin [and others]; ed. I. P. Kondrakhin. - Moscow : KolosS, 2004. - 520 p. : ill. – Bibliography: p. 511–513.
5. Methods for diagnosing animal diseases: a practical guide / A.P. Kurdeko [et al.]. - Vitebsk: VGAVM, 2005. - 166 p.
6. Kurilovich, A. M. Tasks on clinical diagnostics for self-training for computer control of knowledge: a teaching aid for students in the specialty "Veterinary Medicine" / A. M. Kurilovich, A. G. Ulyanov; Vitebsk State Academy of Veterinary Medicine. - Vitebsk: VGAVM, 2008. - 104 p.
7. The main syndromes of internal diseases in animals: a teaching aid for students in the specialty "Veterinary Medicine" / A.P. Kurdeko [and others]; Vitebsk State Academy of Veterinary Medicine, Department of Clinical Diagnostics. - Vitebsk: VGAVM, 2010. - 32 p. – Bibliography: p. 28.

8. Kholod, V. M. Clinical biochemistry: a textbook for university students majoring in Veterinary Medicine. Part I / V. M. Kholod, A. P. Kurdeko. - Vitebsk: UO VGAVM, 2005. - 188 p. : ill.
9. Kholod, V. M. Clinical biochemistry: a textbook for university students majoring in Veterinary Medicine. Part 2 / V. M. Kholod, A. P. Kurdeko. - Vitebsk: UO VGAVM, 2005. - 170 p. : ill.

ANIMAL HYGIENE

Main literature

1. Animal hygiene: a textbook for university students majoring in Veterinary Medicine / V. A. Medvedsky [and others]; ed. V. A. Medvedsky. - Minsk: Tekhnoperspektiva, 2009. - 617 p. : fig., tab.
2. Zoohygiene with the basics of designing livestock facilities: a textbook for students of higher educational institutions in the specialty "Zootechnics" / V. A. Medvedsky [and others]; ed. V. A. Medvedsky. - Minsk: Information Center of the Ministry of Finance, 2008. - 600 p. : tab., fig. – Bibliography: p. 592–594.
3. Medvedsky, V. A. Maintenance, feeding and care of animals: a reference book / V. A. Medvedsky. - Minsk: Tekhnoperspektiva, 2007. - 659 p. : tab. – Bibliography: p. 645–651.
4. Sokolov, G. A. Veterinary hygiene: a textbook for students spec. "Veterinary medicine" of agricultural universities / G. A. Sokolov. - Minsk: Design PRO, 1998. - 160 p. : ill. – Bibliography: p. 156.

Additional:

1. Animal hygiene: a textbook for university students studying in the specialties "Animal science" and "Veterinary science" / I. I. Kochish [and others]; ed. I. I. Kochis. - Saint Petersburg ; Moscow ; Krasnodar: Lan, 2008. - 464 p. : tab. – Bibliography: p. 450–452.

2. Kartashova, A. N. Animal hygiene: workshop: textbook for university students majoring in Veterinary Medicine / A. N. Kartashova. - Minsk: Information Center of the Ministry of Finance, 2007. - 292 p. : ill., tab. – Bibliography: p. 288–289.
3. Medvedsky, V. A. Veterinary sanitation: a textbook for students of higher education institutions in the specialty "Veterinary sanitation and expertise" / V. A. Medvedsky, G. A. Sokolov, D. G. Gotovsky. - Minsk: Information Center of the Ministry of Finance, 2012. - 520 p. : ill. – Bibliography: p. 509–511.
4. Organizational and technological standards for the production of livestock products and forage procurement: a collection of industry regulations / National Academy of Sciences of Belarus, Institute of Economics of the National Academy of Sciences of Belarus; hands works by V. G. Gusakov [and others]. - Minsk: Belarusian Science, 2007. - 285 p. : tab.
5. Republican norms of technological design of new, reconstruction and technical re-equipment of livestock facilities (RNTP-1-2004) / Ministry of Agriculture and Food of the Republic of Belarus. - Minsk, 2004. - 92 p.

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Main literature

1. Veterinary formulation: teaching aid for students in the specialty "Veterinary Medicine". Part 1: Hard and soft dosage forms / N. G. Tolkach [and others]; Vitebsk State Academy of Veterinary Medicine, Department of Pharmacology and Toxicology. - Vitebsk: VGAVM, 2008. - 53 p. : ill. – Bibliography: p. 50.

2. Veterinary formulation: teaching aid for students in the specialty "Veterinary Medicine". Part 2: Liquid and gaseous drugs

natural forms / N. G. Tolkach [and others]; Vitebsk State Academy of Veterinary Medicine, Department of Pharmacology and Toxicology. - Vitebsk: VGAVM, 2008. - 35 p. : ill. – Bibliography: p. 32.

3. Veterinary formulation with the basics of therapy and prevention: a reference book / K. I. Abuladze [and others]; ed. I. E. Mozgov. - Moscow: Agropromizdat, 1988. - 384 p.

4. Veterinary pharmacology: a textbook for university students in the specialty "Veterinary Medicine" / N. G. Tolkach [and others]; ed. A. I. Yatusevich. - Minsk: Information Center of the Ministry of Finance, 2008. - 685 p. – Bibliography: p. 664–667.

5. Mozgov, I. E. Pharmacology: a textbook for veterinary universities and faculties / I. E. Mozgov. - 8th ed., add. and revised - Moscow: Agropromizdat, 1985. - 416 p.

6. Rabinovich, M. I. Workshop on veterinary pharmacology and formulation: a textbook for higher agricultural educational institutions in the specialty "Veterinary" / M. I. Rabinovich. - 5th ed., revised. and add. - Moscow: Kolos, 2002. - 240 p. : ill.

7. Tolkach, N. G. Rules for prescribing prescriptions and methods for conducting laboratory and practical classes on veterinary prescription: a teaching aid for students of FVM, BTF in the specialty "Veterinary Pharmacy", teachers of clinical departments of the EE VGAVM, students and teachers of veterinary departments of colleges, doctors of veterinary medicine and veterinarians / N. G. Tolkach; Vitebsk State Academy of Veterinary Medicine. - Vitebsk: VGAVM, 2012. - 56 p. : tab. – Bibliography: p. 54.

8. Pharmacological agents and methods of their application: a teaching aid for students of the faculty of veterinary medicine (SVVO), students of the faculty of distance learning in the specialty "Veterinary medicine" and students of the FPCiPK / N. G. Tolkach [and others]; Vitebsk State Academy of Veterinary Medicine, Department of Pharmacology and Toxicology. - Vitebsk: VGAVM, 2010. - 111 p. : tab.

9. Pharmacology: a textbook for students of agricultural universities in the specialty "Veterinary" / VD Sokolov [and others]; ed. V. D. Sokolov. - 2nd ed., Rev. and add. - Moscow: Kolos, 2000. - 576 p. : ill. – Bibliography: p. 548.

Additional:

1. Veterinary drugs in Russia: reference book: in 2 vol. T. 1 / I. F. Klenova [and others]. - Moscow: Selkhozizdat, 2004. - 576 p. : tab.

2. Veterinary preparations in Russia: reference book: in 2 volumes. Vol. 2 / I. F. Klenova [et al.]. - Moscow: Selkhozizdat, 2004. - 464 p. : tab.

3. Clinical pharmacology: textbook for university students in the specialty "Veterinary" / ed. V.D. Sokolov. - Moscow: KolosS, 2002. - 464 p.

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5. Mashkovsky, M. D. Medicines / M. D. Mashkovsky. - Moscow: New Wave, 2012. - 1216 p.

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OPERATIONAL SURGERY WITH THE BASICS OF TOPOGRAPHIC ANATOMY *Main literature*

1. Veremey, E. I. Workshop on operative surgery with the basics of topographic anatomy of animals: a textbook for students of the specialty "Veterinary medicine" of agricultural universities / E. I. Veremey, M. I. Kovalev, V. N. Ma - sukova. - Minsk: Urajay, 2000. - 153 p. : ill.
2. Veremey, E. I. Surgical pathologies in sheep / E. I. Veremey, V. M. Rukol, V. A. Zhurba // Diseases of sheep and goats: a practical guide / A. I. Yatusevich [and others] ; editors: A. I. Yatusevich, R. G. Kuzmich; Vitebsk State Academy of Veterinary Medicine. - Vitebsk: VGAVM, 2013. - S. 407–452.
3. Veterinary Encyclopedia: in 2 volumes. T. 1: A - K / S. S. Abramov [and others]; ed. A. I. Yatusevich [i dr.]. - Minsk: Belarusian Encyclopedia named after Petrus Brocki, 2013. - 463 p. : ill.
4. Veterinary Encyclopedia: in 2 vols. T. 2: K - Ya / S. S. Abramov [and others]; ed. A. I. Yatusevich [i dr.]. - Minsk: Belarusian Encyclopedia named after Petrus Brocki, 2013. - 597 p. : ill.
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2. Veremey, E.I. Little-studied surgical diseases of animals: a practical guide / E.I. Veremey. - Vitebsk: VGAVM, 2008. - 187 p. : rice. – Bibliography: p. 185.
3. Veremey, E. I. Handbook on the use of drugs in veterinary surgery / E. I. Veremey, A. N. Eliseev, V. A. Lukyanovsky. - Minsk: Urajay, 1989. - 263 p. : ill.
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ANNEXES

ANNEX 1

The form of the title page of the reporting documentation for the practice - A4 format (pasted on the folder)

MINISTRY OF AGRICULTURE AND FOOD OF THE REPUBLIC OF BELARUS

Educational Institution "Vitebsk Order of the Badge of Honor" State Academy of Veterinary Medicine"

REPORTING DOCUMENTATION

in industrial clinical practice

student of the 2nd year of SSVO of the 1st group

Faculty of Veterinary Medicine

specialty "Veterinary Medicine"

Ivanov Ivan Ivanovich

Place of internship:
PC "Olgovskoye" of Vitebsk region, Vitebsk region

Admitted to the defense "___" _____ 20___

The defense took place on "___" _____ 20___

Mark _____
(Numbers and words)

Head of practice from the department _____ _____
(Signature) (Full name)

Vitebsk 20__

APPENDIX 2

MINISTRY OF AGRICULTURE AND FOOD OF THE REPUBLIC OF BELARUS

Educational Establishment "Vitebsk Order" Badge of Honor "State academy of veterinary medicine"

DIARY

in industrial clinical practice

student of the 2nd year of SSHE of the 1st group of the faculty of veterinary medicine

Ivanov Ivan Ivanovich

Place of internship:
PC "Olgovskoye" of Vitebsk region, Vitebsk region

Vitebsk 20__

APPENDIX 3

MINISTRY OF AGRICULTURE AND FOOD OF THE REPUBLIC OF BELARUS

Educational Establishment "Vitebsk Order" Badge of Honor "State academy of veterinary medicine"

REPORT

in industrial clinical practice

student of the 2nd year of SSHE of the 1st group of the faculty of veterinary medicine

Ivanov Ivan Ivanovich

Place of internship:
PC "Olgovskoye" of Vitebsk region, Vitebsk region

Vitebsk 20__

* *Form of the reverse side of the title page of the practice report (print on the back of the title page)*

Name of the organization	The timing practices	Practice leader from the organization (I.O.F., signature, position)	APPROVED Supervisor organization (I.O.F., signature, company stamp)

APPENDIX 4

REGISTRATION LOG OF SICK ANIMALS

(even side)

Serial number		Number, month, year act- leniya	economy, FULL NAME. owner	View, floor, age, nickname or no.	date ill- vaniya	Disease diagnosis	
Primary foot accounting	Repeat- foot accounting					First- initial- ny	windows- chatel- ny
one	2	3	4	5	6	7	eight

(odd side)

Results of the study, clinical signs, treatment, recommendations	Outcome of the disease and date	Special marks specialist, treated
9	10	eleven

APPENDIX 5

ACCOMPANYING

V _*(diagnostic department of the district veterinary station , zonal veterinary laboratory*)

The address: _____ _ _ _ *(complete address)*

At the same time, it sends *(number)* samples *material (blood, urine, faeces)* from animals *(species, age, gender, technological group),* owned *(the name of the farm, indicating the brigade, farm, etc.),* or *(Full name of the owner; full address; telephone)*

for *type of study* (serological, biochemical, hematological) examination for *(list of indicators)*

The study is carried out initially, repeatedly (underline).

Date and result of previous examination:

Date and time of sampling *(hours, day, month, year)*

Farm veterinarian (head of practice) _____I.O.F. Brigadier

(milkmaid, cattleman, calf) _____I.O.F.

Intern student _____I.O.F.

APPENDIX 6

DESCRIPTION (statement)
animals (from which the material for the study was taken),
owned *JSC "Lipovtsy" Vitebsk region Vitebsk region*
MTF Shapechino

P / p No.	Inv. No. (name) of an animal	Floor	Age (years)	results research
one	01354	cow	5	
2	02379	heifer	2.5	

Farm veterinarian (head of practice) _____ I.O.F.
Foreman (milkmaid, cattleman, calf) Student _____ I.O.F.
trainee _____ I.O.F.

APPENDIX 7

Sanitary passport of livestock premises

Farm name
_____
_
OJSC, SPK, etc., farm (complex), poultry farm, etc.

District _____

Region _____

The object _____ **was examined for** _____ **heads**
(cowshed, poultry house, pigsty, etc.)

Type of kept animals, number and age _____
_____

System and method of keeping animals _____
_____

The premises were built according to a standard project No. _____

General characteristics and dimensions of the room: length _____ **width** _____ **height** _____

Area: total under construction _____, **useful** _____,
stall room
on one head _____
stall room
Room cubic capacity: total _____, **useful** _____, **per head** _____
Structural solutions of the building:
Foundation
_____
_
(type, material, depth, condition)
Walls
_____
_
(material, construction, thickness, waterproofing, condition, presence of condensate)

overlap

_____

(type (attic, non-attic combined), design, insulation, thickness, condition

_____

loft use)

Ceiling

_____

(material, construction, condition, repair frequency, presence of condensation)

Floors (in the stall room)

_____

(material, design, condition, repair frequency, with slatted floors

_____

specify the dimensions of the bar width and clearance)

Floors in the aisles: fodder _____, manure _____

Characteristics of the internal layout of the building

_____

(name of the main and ancillary premises, internal dimensions of the premises, location

_____

animals: the number and size of rows, sections, passages, machines, stalls, boxes, vestibules)

Walking grounds, yards

_____

(availability, coverage, and their condition, area per head; organization of walks)

Feeders (feeding table)

_____

(material, dimensions, feeding front per 1 animal, disadvantages, delivery method

---

and distribution of feed, frequency of feeding)

Tethers

_____

(type of leash, their design, disadvantages)

Window

_____

(size, shape, quantity, type, type of glazing (single, double), total area of glazing,

---

are there transoms, at what height from the floor, UK)

Artificial lighting

_____

(number of bulbs, type of fixtures, number of rows, total power (W),

---

lighting intensity (W/m$_2$, OK)

Gates and doors

_____

(quantity, dimensions, type, whether there are insulation and air curtains)

Water supply

_____

(source and water supply system, type of drinkers, their location and quantity, drinking front,

---

load per 1 drinker, water heating in winter)

Milking

_____

(way of milking, place and frequency, milking mechanisms, milk storage)

Manure removal and sewerage system

_____

(method of cleaning and transporting manure to the storage site,

---

manure trays, their location and size, type (open, closed), frequency of manure cleaning, type of manure

conveyor, manure storage location, capacity and number of manure storage facilities, manure processing method,

disinfection)

bedding

(availability, type, consumption, storage location, method of application)

Organization of transportation, destruction and disposal of biological waste

Ventilation system:

(type of ventilation system, air distribution scheme)

Inflow organization

(zone of fresh air supply to the room, equipment (fan - type, number

location), performance in m^3/h, quantity; air ducts - design, length,

section at the beginning and end, quantity, shape, size, distance to the area where animals are located, supply air

channels (slits), their number and size, location)

Organization of the hood

(mines, their number and size, location, cross-sectional area per 1 head;

fans - type, number, performance in m^3/h, quantity and location)

Heating:

(type (central, air), device, type of devices, coolant (hot water, steam))

Microclimate indicators:

room air temperature, ^{0}WITH _____

Relative humidity of indoor air, % _____

Air exchange, m^3/h per 1 head (1 quintal of live weight) _____

Air velocity, m/s _____

Ammonia content, mg/m^3 _____

Carbon dioxide concentration, % _____

Microbial contamination, thousand CFU/m^3 _____

Light coefficient _____

Illumination, W/m^2 or lux _____

Sanitary protection:

Sanitary day _____

Sanitary zones _____

Sanitary gaps _____

Sanitary facilities _____

Sanitary principles _____

The sanitary condition of the farm territory and its improvement _____

Compliance with the rules of personal hygiene by farm workers _____

Disinfection _____

(name of the disinfectant, frequency of use and method, equipment)

Productivity _____

(milk yield, live weight gain)

Preservation, morbidity _____

(analysis of diseases most common on the farm and suspected

their causes)

_____

General assessment of the premises _____

(generalization of the obtained data and identification of shortcomings)

Offers _____

(the main measures to improve the maintenance of animals and to eliminate diseases

_____

associated with violation of conditions for keeping animals)

_____

Signatures: **Date:**

APPENDIX 8

ACT
sanitary inspection of water supply and watering farm animals

1. Farm name

_____

OJSC, SPK, etc., farm (complex), poultry farm, etc.

2… Region

_____ **3. District**

_____ **4. Settlement**

_____

city, village

5. Water supply system

_____

centralized, decentralized

6. Characteristics of the water source

_____

name, topography: remoteness from households (farms), inhabited

_____

point, the presence and remoteness of enterprises, farms and other facilities that can pollute the water source

_____

7. Farm Water Demand

_____

m3 per day

8. Sanitary protection of water sources

_____

available, no; high security zone restricted zone,

---

observation zone; their sizes

9. Control over the quality of the water source

_____

terms of a complete laboratory analysis of water,

_____

date of the last analysis and data of the laboratory study of water

10. Cleaning methods

_____

settling, filtration, coagulation quality improvement

_____

type of improvement, its features and efficiency and disinfection of water

_____

method name, disinfection mode

11. Animal watering regimes

_____

12. Characteristics of drinkers (for cattle, pigs, etc.)

_____

hygiene assessment and care

---

for watering equipment

13. Physical properties of drinking water on the day of the survey

---

temperature, color, smell, taste, transparency, etc.

_____

14. Pasture drinking

_____

15. Conclusion

_____

assess the water source and the conditions for watering animals, indicate positive

_____

parties and note the shortcomings that affect water quality, productivity and

_____

animal health

16. Suggestions for correcting deficiencies

_____

The examination was carried out: 1. Full name, position, signature

2. Full name, position, signature

3. Full name, position, signature

Date of examination "_____" _____ 202_

APPENDIX 9

ACT
hygienic examination of the living conditions of animals
during the summer

1. Name of the holding and its address

2. Name and location of the summer camp (pasture)

animal species, name

settlement, remoteness from the farm, roads, water source, etc.

3. The size of the plot where the camp is located (pasture)

4. Deadlines for transferring animals to summer camps (pastures)

5. Availability of a plan for the preparation of animals for their transfer to summer camps (pastures)

yes, no, whether the commission was created

6. System and method of keeping animals in summer camps (pastures)

7. Sizes of groups of animals in grazing and camp keeping of animals

8. State of pastures

type of pasture, herbage, contamination with animal excrement,

the presence of shrubs, the device of corrals, livestock tracts

9. Preparation of animals for camp (pasture) maintenance

results

livestock medical examination

10. Condition of the camp buildings

fences, sheds, feeders, the presence of shrubs

11. Delivery, storage and mode of feeding green, juicy, concentrated feed, organization of feeding in summer camps

12. Sanitary and hygienic condition of feeders

type, dimensions,

feeding front, condition and care of feeders

13. The state of the watering place of animals, the characteristics of the water source

_____

type of drinking, the presence of a drinking

equipment, remoteness of the water source from the camp, approach to the source, water quality

_____

14. Manure removal and storage method

_____

15. Organization of milking of cows, primary processing of milk and its transportation

_____

_____

16. Measures to protect animals from blood-sucking insects and bad weather

_____

17. Regularity of veterinary examination of animals in summer camps (pastures)

_____

general clinical condition, breast condition, biochemical blood tests, etc.

18. Analysis of the productivity of animals, their safety and morbidity

_____

19. Conclusion

_____

indicate the identified shortcomings and violations of hygiene requirements

20. Offers

_____

indicate what needs to be done to improve the translation and content

animals in summer camps (pastures)

The examination was carried out: 1. Full name, position, signature

2. Full name, position, signature

3. Full name, position, signature

Date of examination "_____" _____ 202_

APPENDIX 10
Completed by each organization

CALENDAR PLAN
internship during the period(s)
_____ to _____
20___ Total weeks_____

No. p / p	Types of work performed	Student workplace	Quantity workers days

Practice leader
from the organization _____ _____ _____
(Position) **(Signature)** **(Full name)**
"_____" _____ 20 ___