

ETHICS COMMITTEE REG. (NEW)

Selçuk University Faculty of Veterinary Medicine Experimental Animals

Production and Research Center Ethics Committee (SÜVDAMEK) Directive

FIRST PART

Purpose, Scope, Basis and Definitions

Aim

Article 1. The purpose of this Directive is to examine studies on laboratory animals within the Selçuk University Faculty of Veterinary Medicine. related to the methods and materials used in basic activities such as scientific research, testing, education and training To determine acceptable ethical standards and to express opinions; research and scientific study practices and to review recommendations, to record all procedures performed on experimental animals, to ensure traceability and ensuring auditability; general ethical principles and rules, national and international agreements during the application stages. and to examine whether the declarations comply with the provisions of the relevant legislation and to or to express opinions on corporate applications. When necessary, work that is not carried out in accordance with the instructions "Selçuk University Faculty of Veterinary Medicine" to finalize, provide ethical consultancy if desired. Establishment, duties, functioning, working principles and principles of the Experimental Animal Production and Research Center Ethics Committee To determine the principles regarding responsibilities.

Scope

Article 2. This directive is intended to ensure that the welfare of the animals to be used for experimentation is ensured and taken into account. necessary permissions, evaluation and authorization of the relevant projects by the Ethics Committee; Establishment of the Ethics Committee, It covers working methods, duties and working principles.

Rest

Article 3. This Directive is in accordance with Articles 9 and 28/f. of the Animal Protection Law No. 5199, Concerning the Protection of Animals. 31-34 of the Implementation Regulation, Regulation on Working Procedures and Principles of Animal Experiments Ethics Committees 4-1, i,u, 5, 8-11., 13-14., 18., Welfare of Animals Used for Experimental and Other Scientific Purposes 5 - 9., and 11-14., 18, 20-21., 26, 30. of the Regulation on Protection and Protection, For Experimental and Other Scientific Purposes 42 of the Implementation Instruction of the Regulation on the Welfare and Protection of Animals Used, Law No. 6343 5., 74, 133-136 of the Implementation Regulation on the Execution of Turkish Veterinary Association Services, European Union's Council for the Protection of Animals Used for Scientific Purposes No. 2010/63/EU Directive", Articles 4/d, 9, 12 of the World Veterinary Association Code of Professional Ethics, Animal Rights The Universal Declaration and the Declaration of Helsinki and other regulations on health sciences ethics at national and international levels.

It was prepared taking into account the regulations.

Definitions

Article 4. Mentioned in this Directive;

4.1.Chairman: Chairman of the Ethics Committee,

4.2.Faculty: Selçuk University Faculty of Veterinary Medicine,

4.3.HADMEK: Animal Experiments Center Ethics Committee,

4.4.SÜVDAMEK: Animal Experiments specified in the Regulation on Working Procedures and Principles of Ethics Committees

Selçuk University Faculty of Veterinary Medicine Experimental Animals, whose experiments are the equivalent of the Local Ethics Committee (HADYEK)

Production and Research Center Ethics Committee,

4.5.Directive: Selçuk University Faculty of Veterinary Medicine Experimental Animal Production and Research Center Ethics Committee (SÜVDAMEK) Directive,

4.6.Livestock: Supply of food, leather, fur, wool, feathers or other products, including meat, milk, eggs
Animals raised and kept by humans for domestic or labor purposes,

4.7.Experiment: Any procedure or procedures to be performed on animals for scientific purposes.
the whole,

4.8.Experimental Animal: Free-living or reproducing larval forms used in procedures, from living heads
non-humans, including legumes and mammals from the last third of their normal fetal development
any vertebrate creature,

4.9.Experimental Animal User: Person authorized to use animals in procedures,

4.10.General Directorate: Ministry of Environment and Forestry, General Directorate of Nature Conservation and National Parks,

4.11.Animal welfare unit: Mandatory to be established in producers, suppliers, users and organizations authorized for research.
veterinarian, veterinary health technician or veterinary health professional responsible for the welfare and care of animals
At least one person with the title of technician, and in user organizations, one person with one of these titles.

In addition, a unit consisting of a maximum of three people, one of whom is a local ethics committee member,

4.12.Project: A work program that includes one or more procedures and has a specific scientific purpose,

4.13.Procedure: Animals; breeding, hatching, or genetically modified animal progeny

insertion of a needle in accordance with good veterinary practice, including

in a way that is known or likely to cause pain, suffering, suffering or permanent damage equal to or greater than that caused by
be used for experimental, other scientific or educational purposes with unknown results,

4.14.Species: A biological group that includes related living things that share common characteristics and can reproduce by fertilizing each other.

4.15.3R principle: Whenever possible, use a scientifically valid alternative to live animals.

or implementation of the trial strategy, the number of animals to be used without compromising the project objectives
to reduce as much as possible the procedures that will cause pain, suffering, suffering and permanent damage to animals.

improving animal welfare by improving

**Purposes of Use of Experimental Animals, Establishment of the Ethics Committee,
Member qualifications, Term of Office, Duty and Working Method**

Purposes of Using Experimental Animals

Article 5 –The purposes for which experimental animals are used are stated below:

5.1.Basic research.

5.2.Scientific or applied research with any of the following purposes:

5.2.1.Prevention, diagnosis, treatment of diseases, health disorders and other abnormalities in humans, animals or plants or avoiding them.

5.2.2.Examining, determining, correcting or correcting physiological disorders in humans, animals or plants modification.

5.2.3.Animal welfare and improvement of animal production conditions.

5.3.For any of the purposes specified in 5.2., medicines, food raw materials, feed raw materials, other Developing, manufacturing and testing the quality, effectiveness and reliability of substances and products.

5.4.Protecting the natural environment for human and animal health and welfare.

5.5.Research aimed at the conservation of species.

5.6.Higher education or training for the acquisition, maintenance or development of professional skills.

5.7.Forensic investigations.

Establishment and Member Qualifications of the Ethics Committee

Article 6

6.1.SÜVDAMEK must have at least the following members:

6.1.1.A representative from units working with experimental animals.

6.1.2.He and his first degree relatives do not conduct any experimental work on animals and have no conflict of interest with the organization.

A person who is not a citizen of the Republic of Türkiye.

6.1.3.A citizen of the Republic of Turkey who is a member of a non-governmental organization that has no relationship of interest with the institution or organization.

person.

6.1.4.At least one member who will work in SÜVDAMEK must have at least one year of experience in in vivo animal experiments and have a doctorate degree.

degree is required. It is preferable to also have veterinary ethics experts at SÜVDAMEK.

SÜVDAMEK composition can be determined according to needs and administrative structure. SÜVDAMEK uses other equipment when necessary.

can obtain opinions from experts in the field and invite them to meetings. SÜVDAMEK, five of whom are Faculty Members, two of whom are

It consists of seven people in total, including civilian members. Members are elected by the Faculty Board of the Faculty of Veterinary Medicine

and is appointed with the approval of the Rector.

Member Term of Office

Article 7-The term of office of SÜVDAMEK members is four years. A member whose term of office has expired can be reappointed or with approval. can be assigned. A member who does not attend three consecutive meetings without permission or excuse within a calendar year membership drops. In case the membership status ends for any reason such as death, retirement, separation, etc. A new member with the qualifications of the departing member is appointed to complete the remaining term.

Duties

Article 8.The duties of SÜVDAMEK are stated below;

8.1.The process of using laboratory animals within the institution is carried out in accordance with the 3R principles and ethical rules. to supervise and to make necessary arrangements for this purpose.

8.2.can provide information at the same or higher level than that obtained using experimental animals, but Alternative procedures that do not involve the use of animals or that involve fewer animals or are less painful contribute to the development and validation of methods and promote research in this field make applications.

8.3.To ensure that procedures on experimental animals are carried out in accordance with the approved protocol, To decide on termination when necessary.

8.4.Ensuring that personnel who will work with laboratory animals receive the necessary training and To allow animal experiments to be carried out provided that there is a certificate. For this purpose, when necessary, certificate organize programs. Those who do not have a certificate for the use of laboratory animals are not allowed to conduct animal experiments. not to give

8.5.By preparing the annual activity report with statistical data tables regarding the use of laboratory animals Present to HADMEK

8.6.To notify HADMEK about the training certificate programs to be organized thirty days in advance.

8.7.About the certificate training programs they organize and the trainees who successfully received certificates at the end of the training To report the information to HADMEK.

8.8.When necessary, the Dean's Office will determine new ethical principles and ensure that they are included in the Directive. to make a recommendation to the authority.

Working Method of the Board

Article 9.SÜVDAMEK works as follows:

9.1.SÜVDAMEK meets at least once a month with the agenda determined by the chairman of the board and with the participation of the absolute majority of its members. is collected.

9.2.At the SÜVDAMEK meeting, decisions are taken by majority vote. In case of a tie of votes, the chairman's vote is counted as two votes and the decision is made. is given.

9.3.Records regarding all laboratory animals used in institutions, laboratory animal personnel in charge of the animal welfare unit. It is kept or fixed by the veterinarian responsible for its breeding, production and care. Aforementioned The numbers and types of animals provided in the records, the places where they were obtained, the date they arrived at the user organization and All transactions made are available. These records are kept for at least five years.

9.4.The Board records all applications and decisions by giving date and issue number. Ethics Committee meeting Keeping the minutes so that they can be accessed when necessary for at least five (5) years is liable.

9.5.Applications are made by the project manager. Thesis

He is the coordinator and advisor faculty member for his studies.

9.6.While the applications of ethics committee members are being discussed, the relevant board member cannot participate in the discussions and cannot vote. cannot use it.

9.7.All applications and decisions taken are stored in a database and records are kept by HADMEK and the Ministry of Environment and Forestry. It is kept open to the inspection of the Ministry.

9.8.The Board also considers studies not conducted on animals within the framework of this directive in terms of research ethics. evaluates. If the Board deems it appropriate, it may also evaluate applications from other units.

9.9.Applications are submitted to the Dean's Office for processing by filling out the "Application Form" and "Letter of Commitment". The Board evaluates applications not submitted 3 days before the meeting date at the next meeting. Application The following information must be included in the form:

- 1) Project name.
- 2) Name, address, place of duty and signature of the project manager and other researchers.
- 3) Place and duration of the procedure.
- 4) Training certificates of those who will perform procedures on live animals.
- 5) Application date.
- 6) Project proposal.
- 7) Non-technical project summary written in everyday language.
- 8) Animal resources, estimated number, species and age of animals.
- 9) Procedures to be performed on animals.
- 10) The level of pain, suffering, suffering and permanent damage that the procedures will cause.
- 11) How the 3R principle is applied in procedures.
- 12) Anesthesia, analgesia and other pain relief methods planned to be used.
- 13) It will be taken to prevent animals from suffering throughout their lives or to reduce their suffering. measures.
- 14) Determination of the humane killing method in finalizing the procedures.
- 15) Minimize the number of animals and the pain, suffering, suffering or possible environmental effects caused by the procedures. experimental or observational strategies and data analysis procedures to be applied for downloading.
- 16) Whether animals will be used in more than one project.
- 17) Housing, breeding and care conditions of animals.
- 18) Competence of those involved in the project.

THIRD PART

Applications Regarding Experimental Animals and Research

Experimental Animal

Article 10. The issues that SÜVDAMEK will take into consideration regarding experimental animals in its studies are;

10.1. All procedures to be performed on experimental animals must be approved by SÜVDAMEK.

10.2. Unless there is a general or special exception taken in accordance with the regulations made by SÜVDAMEK, will be used in experiments;

- 1) Cattle (*empty taurus*),
- 2) Sheep (*Ovis aries*),
- 3) Goat (*capraeagratus*)
- 4) Alpaca (*Vicugna pacos*)
- 5) Pig (*Sus scrofa*)
- 6) Horse (*Equus caballus*)
- 7) Chicken (*Gallus domesticus*)
- 8) Turkey (*Melagris*)
- 9) Duck (*Anatinae*)
- 10) Goose (*Anser anser*)
- 11) Partridge (*Alectoris*)
- 12) Pheasant (*Phasinus*)
- 13) Quail (*Coturnix coturnix*)
- 14) Dog (*Canis familiaris*)
- 15) Cat (*felis catus*)

species and all animals to be used in the experiment must be obtained from registered animal breeders, suppliers or
Permission is required from the owner.

10.3. Stray domestic species such as cats and dogs are not used in experiments. However, the health and safety of animals

There is a need for studies on welfare, it poses a serious danger to the environment, human and animal health, and

Scientific justifications that the aim of the study can be achieved using only stray animals

If available, these animals can be used in experiments.

10.4. The following interventions are not subject to SÜVDAMEK permit:

- 1) Clinical applications for diagnosis and treatment purposes.
- 2) Procedures performed with dead animals or their tissue, slaughterhouse materials, waste fetuses.
- 3) Expressing milk.
- 4) Fecal or litter sample collection.

5) Taking a swab sample.

l) Permission obtained from the General Directorate for the use of wild animals from nature regarding species identification, SÜVDAMEK permit replaces.

m) If field research is carried out in more than one province, HADYEK approval must be obtained for only one location. is sufficient.

10.5.The experiment to be carried out on wild animals taken from nature has a scientific justification; but other animals If it is not sufficient for the purpose of the test, it is approved. In studies conducted on this subject, SÜVDAMEK After approval, permission is obtained from the General Directorate.

10.6.The Board does not allow animals other than the above-mentioned experimental animals to be used as laboratory animals. It has the authority to grant permission if it deems the requirements scientifically appropriate.

10.7.The Board determines from which producers or supply organizations the animals used as experimental animals are procured. It records the document proving that it was made and transfers it to the database. The Board determines animal regulations for animals used in clinics. The owner accepts the permit as informed consent.

Ethical principles regarding animal experiments

Article 11. 1.Regarding animal experiments in the preparation and implementation of research projects

The following ethical principles must be followed:

11.1.1.Since the "principle of respect for life" of ethics is accepted for every animal species, it should be used in scientific research. Avoiding bad practices on laboratory animals is among the primary responsibilities of the researcher. must be seen.

11.1.2.Experimental animals: Diagnosis and treatment of diseases or other abnormalities in humans, animals, plants or prevention; development and manufacturing of medicines, vaccines, foods and other substances or products and their quality, effectiveness and performing security tests; identification and regulation of physiological mechanisms in humans, animals and plants or replacement; protection of the natural environment for the benefit of the health or welfare of humans or animals; education and training; judicial investigation; evaluation of behavioral characteristics in humans, animals or plants, It can be used for detection, regulation or modification and scientific research purposes.

11.1.3.The care of experimental animals should be provided by trained personnel under appropriate conditions.

11.1.4.Painful experiments cannot be allowed in congresses, conferences and seminars for educational presentation purposes.

11.1.5.Users of laboratory animals cannot perform experiments, training or testing on these animals without obtaining a certificate. They cannot do this and cannot keep these animals in their workplaces.

11.1.6.If there are alternative methods with proven validity in obtaining information in research, the ethics of the study It should not be considered appropriate to perform it on animals.

11.2.Alternative method, principle of reduction, improvement and purification;

11.2.1.Whenever possible, the procedure should be replaced by a scientifically based procedure that does not involve the use of live animals. It is essential to develop a satisfactory method or testing strategy.

11.2.2.Minimize the number of animals used in projects without endangering the objectives of the project downloading is essential.

11.2.3.Improving the methods used in production, care and housing and procedures, possible pain in animals, It is essential to minimize or eliminate suffering, distress and permanent damage.

CHAPTER FOUR

Education

Training of personnel who will handle laboratory animals

ARTICLE 12 –The points that must be followed in the training of personnel who will handle laboratory animals are stated below:

12.1.Organizing training programs to educate researchers who work or will deal with experimental animals,

The ethics committee is responsible for opening, organizing and executing certificate programs for the use of laboratory animals.

is responsible. Those who are successful in these programs are given a laboratory animal use certificate by the relevant ethics committee.

12.2.Those who want to carry out all kinds of education, research, application and testing using experimental animals or

Students, researchers, academicians, and others who contribute to the development of programs by touching experimental animals

Health, technical and administrative personnel are considered as laboratory animal users.

12.3.Users of laboratory animals cannot perform experiments, training or testing on these animals without obtaining a certificate.

They cannot do this and cannot keep these animals in their workplaces. In research with farm animals

It is mandatory to include a veterinarian in the research team. In this case, the veterinarian's test

It is not necessary to have a certificate for the use of animals.

12.4.SÜVDAMEK; Informing and informing the personnel responsible for the production and breeding of experimental animals at a minimum

Prepares an in-service training program that includes the procedures and principles to be followed and implements it periodically.

checks.

12.5.In the study submitted for SÜVDAMEK approval, if the person using the experimental animal does not have a usage certificate,

This study is not approved.

12.6.A researcher may not collaborate with others as a research conductor if he or she does not have his or her own certification.

may apply to the ethics committee to do so. procedure in which he participated, but directly with experimental animals.

Researchers who do not practice can continue their experiments with the help of certified laboratory animal users.

12.7.The content of laboratory animal use certificate programs is determined by HADMEK and submitted to the Ethics Committee.

is notified.

12.8.HADMEK can update certification programs when necessary.

12.9.Attendance at 80% of the courses is mandatory in laboratory animal use certificate programs.

12.10.In order for trainees to receive a certificate, they must score at least 70 out of 100 in the exam to be held at the end of the course.

They need to take it.

12.11.How the certificate training programs will be carried out is determined by SÜVDAMEK.

12.12.Registration in laboratory animal use certificate programs organized in accordance with the provisions of this Directive

Trainees who meet the attendance and success conditions are given a "Certificate for the Use of Experimental Animals".

The certificate for the use of laboratory animals is signed by the Chairman of the Ethics Committee, the Dean of the Faculty and the Rector.

12.13.SÜVDAMEK is obliged to notify HADMEK about the certificate training programs it will organize thirty days in advance.

12.14.SÜVDAMEK is responsible for the trainees who successfully received certificates at the end of the certificate training programs it organizes.

is obliged to report the information to HADMEK.

12.15.Certificates of use of laboratory animals obtained from other institutions other than the provisions of this Directive or

HADMEK decides whether similar products are equivalent according to the provisions of this Directive.

12.16. Certificate of training regarding the use of laboratory animals at undergraduate or graduate level
SÜVDAMEK decides whether it is equivalent to the program or not. Training programs that are deemed appropriate
Those who complete it are given a certificate by SÜVDAMEK.

CHAPTER FIVE

Application, Review and Report Preparation

Application for Research

Article 13.

13.1. Compliance with ethical rules is essential in research projects, experimental studies and multifaceted tests. This
In order to obtain Ethics Committee approval for studies, the researcher/s should apply to SÜVDAMEK through the Faculty Dean's Office.
can be found. The researcher must attach the Application Form and Letter of Commitment containing the following information to the application letter.

13.2. Regarding the animals to be used in the study in the form; description (species, breed, etc.) and number of experimental animals;
research inclusion criteria; exclusion criteria from the study; research duration and animal use duration;
the nature and extent of the disturbance to the animals; clinical and laboratory tests to be performed; stop research
granting criteria; Procedures to be performed on experimental animals at the end of the research
should be explained.

13.3. The Board records all applications and decisions by giving date and issue number.

Examination Method and Report Preparation

Article 14. SÜVDAMEK opens a separate file for each application. The Board first examines the application in accordance with the relevant legislation and ethics.
evaluates and clarifies aspects. Here, the compliance or non-compliance of the action or transaction with the rules
is stated. During its examinations, the Ethics Committee specifically examines international agreements signed by Turkey and
takes into account the declarations. Compliance with these declarations is required in application documents.

Report Content

Article 15. SÜVDAMEK takes the following issues into consideration when preparing the report:

15.1. As a result of its evaluation, the Board determines that it is "appropriate", "needs to be corrected", "conditionally appropriate" or "unsuitable".
"It is not," he decides.

15.2. Applications for which the decision "Needs to be corrected" are submitted to the ethics committee after the correction is made by the applicant.
is re-evaluated. Projects that are deemed "conditionally appropriate" will be implemented for a period to be determined by the board.
After being monitored by the animal welfare unit and evaluating whether the required conditions are met or not,

It is decided as appropriate or inappropriate.

Permit Requirement

Article 16.In order to obtain permission from SÜVDAMEK, researchers must comply with the following rules:

16.1.Animals in Selçuk University Faculty of Veterinary Medicine Experimental Animal Production and Research Center units
All researchers who will conduct research on the subject must apply in writing and obtain SÜVDAMEK Approval.

16.2.Animal material to be published in all periodicals of Selçuk University Faculty of Veterinary Medicine
"in the scientific articles used and in the papers and posters to be presented at the scientific meetings organized by the Faculty" *Ethics Committee Approval Has Been Received*"or "*Ethics Committee Principles have been complied with*" should be included and stated in the article/s.

16.3.To be included in the papers and posters that will be presented and the articles that will be published without applying to the Ethics Committee.

All responsibility for ethical problems that may arise from the statement "Ethics Committee Principles have been complied with" belongs to the author(s).

16.4.Projects sent to the Dean's Office are considered as applications to SÜVDAMEK.

Making Changes to the Research

Article 17.Any changes to be made in the research protocol after board approval must be notified in writing to SÜVDAMEK.

Notification and approval must be obtained. Otherwise, ethical problems that may arise from the changes to be made

All responsibility belongs to the author(s).

Security

Article 18.SÜVDAMEK correspondences are confidential and "Concerning the Working Procedures and Principles of Animal Experiments Ethics Committees"

Information cannot be given to third parties other than the authorized institutions specified in the "Regulation".

The period of validity

Article 19.SÜVDAMEK approvals are valid for the given period. Additional time may be requested for projects that cannot be completed.

Force

Article 20.This Directive comes into force after being approved by Selçuk University Senate and HADMEK.

Executive

Article 21.The provisions of the directive are implemented by the Dean of the Faculty of Veterinary Medicine on behalf of the Rector of Selçuk University.

RESOURCES USED IN THE PREPARATION OF THE DIRECTIVE

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(Official Gazette dated 15 February 2014 and numbered 28914)
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