



"Ss Cyril and Methodius" University - Skopje



FACULTY OF VETERINARY MEDICINE SKOPJE

... since 1991



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INTRODUCTORY WORD FROM THE DEAN OF THE FACULTY OF VETERINARY MEDICINE – SKOPJE

One World, One Health.



Veterinary profession worldwide is going through important changes which are primary based on the public interest, and are directed on obtaining high quality veterinary service and practicing good veterinary work.

European Union is still significant factor in support of these transformations, with obtaining expertise, and setting of the structural needs for obtaining prosperity of veterinary profession, which is a part of common agenda of every veterinary institution.

Today, the Faculty of Veterinary Medicine in Skopje has three institutes, and via them an integrated education and scientific activity is performed.

Besides this, within these three institutes numerous laboratories for diagnostics of infectious diseases in domestic animals, for food safety monitoring, for production of semen for artificial insemination, for animal welfare and animal reproduction control are organized.

All these laboratories have up-to-date and sophisticated equipment, and work according international quality standard ISO 17025.

Education and scientific activity on the Faculty is performed by more than 31 teachers and 9 assistants. Teaching staff has active participation on eminent scientific meetings in the country and abroad, they were and still are visiting-professors on the faculties of veterinary medicine abroad, they are members in national and international professional associations, and do important public and professional functions.

Introduction and implementation of the quality control system (ISO 17025) is based on the new approach of that what the quality means, and changing of management style. The quality is responsibility of all employees on the Faculty of Veterinary Medicine, and all of them give whole support of realization of all previous taken activities, of the conceptions for their integrative management, and participate in the future regulative directions for successful implementation of the European procedures.

Vision and mission of the Faculty of Veterinary Medicine is in recognition and accepting the role of development and maintenance of good relationship with state authorities (Ministry of Agriculture, Forestry and Water Management, Food and Veterinary Agency, Ministry of Health and Ministry of Education and Science) and with business community. Faculty of Veterinary Medicine is educating students capable for solving challenges of the time in which they live and work (according the concept widely confirmed in Europe - veterinary medicine + human medicine = one health for all, i.e. doctors of veterinary medicine with caring for animal health also care for human's health).

This interactive process of learning was predicated by the famous philosopher Edgar Morin who said "head who thinks, not head who memorize", and that is an essence of all reforms on the Faculty of Veterinary Medicine in Skopje.

Skopje, 2019

Dean

Prof. Lazo Pendovski, PhD, MSc, DVM



HISTORIC BACKGROUND

The Veterinary Faculty in Skopje was founded in academic year 1991/1992, as a department of Agriculture Faculty (now Faculty of Agriculture Science and Food) in Skopje, and started with teaching on first and second year, with students returned from the other veterinary faculties from the former SFR Yugoslavia. The teaching was realized with joined forces (staff, equipment, premises) of Veterinary Institute in Skopje, Agriculture Faculty and Main Veterinary Hospital, with addition of some teachers from Medical Faculty in Skopje. In 1993, of the Veterinary department was separated from Agriculture Faculty in particular Veterinary Faculty, and its first generation of students was enrolled in academic year 1994/1995. In year 2000 Veterinary Faculty was renamed in Faculty of Veterinary Medicine – Skopje (FVMS) – its actual name. In 2004, by decision of Macedonian Government, the Veterinary Institute was merged with Faculty of Veterinary Medicine – Skopje, and all the activities of the Institute were undertaken by the Faculty, which means that FVMS became its successor and follower of the activities that the Institute performed. So, FVMS although one of the “youngest” members of Ss. Cyril and Methodius University, has incorporated very long tradition of Veterinary Institute, which dates since distant 1927.

THE VETERINARY MEDICINE CURRICULUM

By establishment of the Veterinary Department in 1991, its first curriculum was in many things similar with the curricula's in other faculties from former Yugoslavian countries, but it was adapted on local circumstances and capacities for human resources and facilities.

When the Department became particular Veterinary Faculty in 1993, this curriculum was replaced with a new one in witch some teaching courses were removed and some new were added. Both these early curricula had duration of 5 years (10 semesters) and completion of study was with making diploma work.

The first ECTS curriculum at FVMS started in academic year 2006/2007, and it was based on draft version of a curriculum made within Tempus project in period 2003-2004.

This curriculum had duration of 5.5 years (11 semesters), and 330 ECTS credits, respectively.

Besides compulsory (a.k.a. "core") courses, for the first numerous elective courses were included in 10th semester, also curriculum included extramural practice and public presentation of diploma work.

This curriculum was replaced in academic year 2008/2009 with another one, where elective courses were expanded to all study years, and some new compulsory courses (e.g. Ethology and animal welfare) were added.

In 2015, the Faculty of Veterinary Medicine in Skopje had been visited by commission for pre-visitation of European Association of Establishments for Veterinary Education (EAEVE).

The commission had given valuable advices for deficiency in educational process, which supposed to be eliminated.



The most of suggestions that were referred to a current curriculum were rewived and implemented in a new curriculum. According to our experiences and the good suggestions that were given from that commission, allowing for specifically of veterinary profession in Macedonia, we have prepared a new curriculum, which started in academic year 2018/2019.



According this curriculum, the study process on the Faculty of Veterinary Medicine is still 5.5 years (11 semesters) and all proposed changes were reflection of actual achievements in veterinary profession in our country as in European Union member states, world veterinary science but also in achievements in agricultural field.

The principal key points of the improvement are: increase of the number of practical training hours, adoption of an animal-based clinical training, introduction of EU listed veterinary subjects, with addition of some new compulsory courses (e.g. one related with so-called "soft skills"), increase of number of elective subjects, introduction of self-directed learning, and introduction of field/clinical practice in all study years, which could be realized at the Faculty (Faculty clinic or laboratories) and extramurally.

The study language at FVMS is Macedonian, but the Faculty also adopted English curriculum, which would start in academic year 2020/2021.

FACULTY ORGANIZATION

The Faculty of Veterinary Medicine has a triple mission: education, research and public service.

However, these tasks cannot be separated since they all deal with animal health, public health as well as health and quality of food from animal origin. The faculty deals with these tasks by organizing modern laboratories, available to the public as well as performing duties for the Ministry of Food and Veterinary Agency, such as control of infectious diseases as well as health and quality of imported and exported food from animal origin, from materials coming from all over the country and the region.

Also, recently the Faculty has established University Veterinary Hospital – Clinic for companion animals and equines, to fulfil the requirements for quality clinical training, but also to meet the continuously increasing demands of the pet owners for a high quality clinical service.

Along with the academic involvement and the control of animal health and animal products, the academic and technical staff is involved in scientific research. The research activities at the Faculty in the different disciplines of veterinary medicine receive both national and international recognition.

Today the Faculty consists of 3 Institutes:

Veterinary Institute with departments for: pathology, pathophysiology, farm animals medicine, small animals and equids medicine, biology and pathology of bees, fish and wildlife, diagnostic imaging, veterinary surgery, microbiology, parasitology, animal and environmental hygiene;

Institute for Reproduction Biomedicine with departments for: biochemistry and cell biology, functional morphology, reproduction of animals, animal husbandry and

Institute of Food with departments for: food quality and safety, animal nutrition, veterinary pharmacology.

At the Faculty, veterinary medicine is taught to an average of 350 students over the 5.5 years curriculum.

The research activities at the Faculty in the different disciplines of veterinary medicine receive both national and international recognition.



MANAGEMENT

According the Law for Higher Education and the Statute of "Ss Cyril and Methodius University" in Skopje, the management of the Faculty of Veterinary Medicine is composed by following authority:

Dean - the head manager of the Faculty of veterinary medicine.

There are also three vice deans: for education, for science and international affairs and for finances.

Management board - The members are: dean, vice deans, institute directors and one student - president of Student Assembly of the Faculty for Veterinary Medicine.

Teaching-scientific board - The members of this board are: all full professors, all associate professors, all assistant professors and three students (elected by the Student Assembly of the Faculty).



VETERINARY MEDICINE AND VETERINARY EDUCATION



Faculty of Veterinary Medicine – Skopje performs teaching and educational, scientific and research and applicative activity within the field of veterinary science. Mission of FVMS is accomplished through organizing studies, transfer of knowledge, development and promotion of education and science in veterinary medicine, development of creative capabilities, preparing students for obtaining degree doctor of veterinary medicine for which technical knowledge and ability for scientific approach in work, stimulation of technological development in veterinary science and building of positions for the future are needed.

Through scientific accomplishment of staff dealing with scientific research, education, development and application in the field of veterinary medicine, FVMS enables permanent promotion of veterinary health protection, production, reproduction, hygiene and technology of products from animal origin and nutrition of domestic animals.

Besides care for animal health, veterinary science has an important role in public health through ensuring safe and quality food from animal origin. Veterinarians, with their irreplaceable role in production and trade of food encourage consumer's trust as well as cost effectiveness of animal production.





Because of wide variety of studies veterinarians can be employed in many different branches of professional life:

- as a veterinary practitioner for companion animals or equines, where individual animal is treated
- as a farm animal practitioner, where group of animals are treated or herd health control is necessary
- as a veterinarian in the field of pharmaceutical industry and food and feed industry
- as a veterinarian serving public health (veterinary inspection)
- as a veterinarian in diagnostic laboratories
- as a veterinarian in research and education

ACADEMIC DEGREES

Realization of teaching and educational mission of the FVMS is achieved through organization of undergraduate and doctoral (PhD) studies with acquiring scientific degree of doctor of veterinary medicine and doctor of veterinary sciences, respectively.

Any person who has completed a four-year high school education and who meets the conditions and the criteria specified in the Open call can apply for enrolment in the undergraduate studies.

The more precise regulations and conditions for applying to the undergraduate studies are defined by the Regulations for enrolment in the undergraduate studies of the University, the Decision for consanguinity of the faculties, scientific fields and areas of study and the Open call announced by the University's management board.

The undergraduate study is organized only as a full-time study program (integral studies of I and II cycle) and is in duration of 11 semesters (330 ECTS credits).

The highest academic degree is the doctoral (PhD) degree.

Doctoral studies are organized within Ss. Cyril and Methodius University in Skopje, and their duration is 3 years (180 ECTS credits). Within these studies, FVMS has accredited two modules: Veterinary Medicine and Food Safety.

Continuing education is high on the agenda at the FVMS. According to the Law on Veterinary Health, FVMS together with the Veterinary Chamber is authorised institution to perform continuing education courses.



INTERNATIONAL COOPERATION



Faculty of Veterinary Medicine – Skopje has continuous cooperation with many related institutions in the region, in Europe and in the world.

Our teaching-scientific staff does continuous development and improvement in the leading scientific-research institutions in the field of veterinary medicine in the countries of European Union.

The Faculty has hosted many established professors from Europe who had delivered their knowledge to our students. Also, professors from FVMS are invited to make lectures at the universities around Europe.

Faculty has realized or is currently realizing many national, bilateral and international projects. In many of them European Union deals as a major financier (FP6, COST action), and partner countries are Great Britain, France, Germany, Italy, Slovenia etc. Via these projects, our teaching-scientific staff was not only obtained with skills equal with those of the staff in the European countries, but they have also become able to train professional staff from the third world countries.

Within these activities FVMS has hosted many experts from different European and non-European countries (Belarus, Mongolia, Tajikistan, Sudan, Madagascar, Zimbabwe), who had used our resources for their professional development, or our staff was hosted by their native institutions, and the training was realized there.



Vet
NEST



Erasmus+

Since 2006, FVMS is member - observer of regional veterinary faculty's Network of European Student and Staff Transfer (VetNEST), established in 1993. VetNEST is a regional association of European veterinary schools with the general aim of promoting exchange of under- and postgraduate studies, as well as staff members among participating schools.

To this end its major goal is to develop and maintain a system of exchange on basis of standards of European Association of Establishments for Veterinary Education (EAEVE), where FVMS is candidate member, and according to the CEEPUS II regulations.

Currently, besides FVMS, members of this network are veterinary faculties and universities, respectively, from Vienna (Austria), Brno (Czech Republic), Košice (Slovakia), Wrocław (Poland), Budapest (Hungary), Ljubljana (Slovenia), Zagreb (Croatia), Belgrade (Serbia), Sarajevo (Bosnia and Herzegovina) and Tirana (Albania). Also, FVMS has made bilateral contracts of student and staff mobility within Erasmus+ program with veterinary faculties/universities in Ljubljana, Zagreb, Košice, Nitra (Slovakia), Budapest, Stara Zagora (Bulgaria), Wrocław, Warsaw (Poland), Tartu (Estonia), Terramo, Parma (Italy) and Istanbul (Turkey). FVMS has signed a direct bilateral contract for cooperation with the veterinary faculties in Istanbul, Sofia (Bulgaria) and Moscow and St. Petersburg (Russia).

Responsible person for VetNEST is prof. Zehra Hajrulai-Musliu, PhD, and for Erasmus+ prof. Florina Popovska-Perchinikj, PhD.

The screenshot shows the CLIVE Index screen with a blue header and a grid of course topics. The topics include:

- Renal System** - The countercurrent mechanism
- Introduction to the brain** - Simplified gross anatomy
- The Brain** - Anatomy & functional anatomy of the brain and spinal pathways
- The Peripheral Nervous System** - Tutorial with animations of adrenergic and cholinergic transmission
- Respiration practical** - Preparation and revision material for experiment in which you measure respiratory gases and examine the effects of hypo- or hyper-ventilation.
- The Circulatory System** - Hydraulics of the Circulatory System - 3 practical simulations
- Canine Fore-Limb** - Self-testing
- Ruminant mechanisms** - multiple choice questions

Below the grid, there is a section for "Countercurrent mechanism" with a sub-header "Countercurrent Multiplication - Application to the Kidney". It includes a diagram of a kidney cross-section showing the cortex, outer medulla, and inner medulla. The diagram illustrates the countercurrent multiplier system with arrows indicating the movement of water and solutes. Text on the left explains the role of the collecting duct and the effect of ADH (Antidiuretic Hormone) on water reabsorption.

The screenshot shows the CLIVE website home page with a blue background. The header includes the CLIVE logo and a navigation menu with links to "News", "Joining CLIVE", "Product Catalogue", "Demonstrations of CDs", "CLIVE consortium", "Sponsors", "Other links", and "Contact". The main content area features a grid of images representing various educational resources. The footer contains contact information for the CLIVE consortium, including the University of Edinburgh, the Royal (Dick) Veterinary School, and the Roslin Institute.



FVMS is an associative member of CLIVE (Computer-aided Learning in Veterinary Education) consortium.

On that way the faculty has rights for using different computer educative programs prepared in for that consortium.

The computers have permanent access to computer program CLIVE. Now, 70 programs from CLIVE are available for students.



ACCREDITATION OF THE LABORATORIES OF THE FACULTY OF VETERINARY MEDICINE – SKOPJE

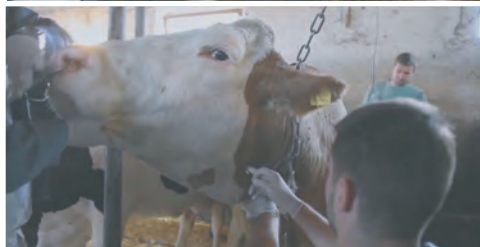
In its public service activity, FVMS is focused towards implementation and maintenance of quality standard ISO 17025 ensuring that services to our clients and their requirements are raised on higher professional level.

FVMS tends to be internationally competitive accredited laboratory which performs routine laboratory tests related to food safety, animal health and animal welfare in their varieties in R. Macedonia. Accredited laboratories of FVMS endeavour to be “National Referent Laboratory” for control of food safety and monitoring of residues, control of zoonotic diseases and antimicrobial resistant as provided in the regulation EC/882/2004. FVMS will always issue reliable results to the customers for all samples tested under the same, according to the latest national and international standards and legislation. FVMS will maintain high level of confidentiality to clients for testing results and high level of services depending on customer needs.

FVMS is higher-education institution with highly qualified employees and modern equipment, having the capacity to deliver high quality and professional services in the field of veterinary medicine, both in the laboratory tastings, as well as in the educational processes. Personnel of FVMS is oriented toward the timely, professional, impartial, confidential and competent fulfillment of the customers requirements, within their jurisdictions and legal norms.

Quality manager for the currently performed MKC EN ISO/IEC 17025:2006 standard is Ass. Prof. Mirko Prodanov, PhD.

EVALUATION OF THE FACULTY OF VETERINARY MEDICINE – SKOPJE



Evaluation of FVMS is a process overtaken since the Faculty has become a member of European Association of Establishments for Veterinary Education (EAEVE). Responsibility for this process first, belongs to the Management through providing adequate conditions for performing of veterinary education, tracing of quality and its constant improvement, following European and world standards.

Extraordinary importance in this process belongs to teaching staff, who should strive towards improvement of education process using new information, implementing contemporary methods of education, as well as transparent and objective methods for examination of knowledge and skills.

These should lead to fulfilment of minimal European Union standards for veterinary education.

Currently FVMS is in evaluation procedure managed by EAEVE and FVE (Federations of veterinarians of Europe) having in mind that this is complex and demanding process but it will contribute towards improvement of education, positive evaluation of the Faculty and more attractive place to study for future students.



EUROPEAN CREDIT TRANSFER SYSTEM (ECTS)

In its undergraduate educational program, The Faculty of Veterinary Medicine - Skopje, in academic 2006/2007 started to implement the European Credit Transfer System - ECTS, as a new system for academic acknowledgement of the studies with objective to ensure development of creatively-oriented and well-motivated student toward studying, at the same time mobile at national and international level, which in return will provide him/her with international competence on the European intellectual market.

The ECTS was firstly implemented in 1989 as a pilot study within the Erasmus program with aim to enable recognition of the studies abroad of the mobile students by means of credit transfer. Today, as a transfer system, the ECTS is expanded to more than 30 countries and is implemented in over one thousand institutions of higher education. The 40 signers of the Bologna Declaration have identified the ECTS as one of the main foundations of the higher education in Europe.

Many countries have adopted legal acts for implementation of the ECTS as a system for accumulation in their institution of higher learning, and in others this process is still ongoing. In some countries, the ECTS became precondition for accreditation.

The Zurich Conference for credit transfer and accumulation, held in October 2002 by the European University Association, confirmed the main role of the ECTS in the European higher education. The ECTS is built on mutual confidence among the institutions of higher education and is founded on three main elements: sharing complete information for the study program and the level of student's burdening; accepting agreement for recognition of the study programs among partner institutions; and utilizing credit units as an indicator of the student's level of engagement (the amount of the work that the student has completed during certain period of the study).

The ECTS credits are numerical values which are assigned to every study unit (course of study) in order to describe the engagement of the student necessary for their completing. They show the amount of work demanded by every course of study in relation to the total amount of work needed to complete certain academic year which is composed of lectures, practical work, seminars, field work, independent study and exams. ECTS is based on complete engagement of the student and is not limited only to the time spent in class listening lectures.

The ECTS credits represent a relative measure for student engagement while taking certain study course. The ECTS is based on the fact that 60 credit points represent a regular burdening of the student during one academic year. The burdening of a student of one regular study program in Europe is usually from 1500 to 1800 hours per year, and in this case one credit is earned with every 25-30 working hours.



The credit points can only be earned by successfully completing the assigned tasks and by appropriate estimation of the accomplished learning output. The learning output is a set of competences which represents what a student will know, comprehend or will be able to do after completing a certain study course, regardless of its duration. Taking into account the recommendations of the "ECTS Guidelines" and the recommendations of the Ss. Cyril and Methodius University, the newly-organized study program of the Faculty of Veterinary Medicine-Skopje includes complete transfer to semester lessons within all study courses, intensive education with "module" and "block" classes of related studies, rationalization of the study courses, reduction of theoretical classes, increasing the working hours for self-directed learning, offering elective chapters from the compulsory courses, as well as implementation of some new forms of teaching: interactive lessons, seminars, individual projects, extramural practical work in veterinary institutions at student's own choice, continuous examination of the acquired knowledge and transparency in forming the final grade. Thus, with this new study program, the central position in the educational process belongs to the students, while the academic and the technical personnel adjust to their needs.

STUDENTS' ACTIVITIES AT THE FACULTY OF VETERINARY MEDICINE

With enrolment at the Faculty of Veterinary Medicine each student becomes a member of the Student Assembly of the Faculty of Veterinary Medicine – Skopje (SAFVMS).

SAFVMS is integral member of Student Assembly of the Ss. Cyril and Methodius University as University's body, represents the interests of students and protects and improves students' rights.

Primary goal of this body is to be communication link between students on one side and faculty and university bodies on the other side and to solve all current problems of the students of FVMS.

Through Student Assembly student representatives directly participate in creating of students' policy and in the process of approximation of higher education towards European educational criteria.

As part of academic community, students of the FVMS are driving force in implementing of Bologna Declaration and in introduction of new European standards of veterinary profession.





Each student showing exemplary interest and desire for activity can be involved in SAFVM bodies. Currently, SAFVM has:

- president

- 12 assembly members (2 students per each study year)

All SAFVMS member have 1 year mandate with possibility of re-election for another 1 year. They participate in FVMS' bodies (Dean's Board, Teaching-Scientific Council).

Each year, SAFVMS organizes various events (workshops, round tables etc.) some of them with international participation and also including assistants, professors as well as young graduates. In this way students have the opportunity to present their scientific work, performed during the academic year under the mentorship of teaching personnel of the FVMS.

In the same time they are becoming acquainted with scientific and research work. Also, organizes participation of FVMS's students at international scientific student's congresses abroad, again under patronage of FVMS.



International Veterinary Students' Association (IVSA) is international association of students of veterinary medicine established in 1951 in Utrecht, The Netherlands.

Association has more than 50 members in the world and it is permanently engaged in establishing relations with countries that are not its members, yet. As a local branch, IVSA Skopje of the FVMS became a member of big IVSA family on 20.07.1994 on the Summer Congress in Berlin.

Within the international IVSA seated in Copenhagen, IVSA Skopje has following aims and tasks: improvement of quality of studies, exchange of experiences and information, mutual support (donation of literature and other teaching material), enabling work on scientific projects, familiarization with new achievements in veterinary medicine, organizing group and individual exchanges of students, participation on symposia and congresses organized by IVSA and local meetings in organization of faculties of veterinary medicine.

Recent IVSA Skopje activities include exchanging student visits with students from the veterinary faculties/universities in Krakow (Poland), Košice (Slovakia), Alfort-Paris (France) and Zaragoza (Spain).

IVSA Skopje also organizes charity bazars, which income is for homeless dogs.

ADMINISTRATIVE AND ORGANIZATIONAL UNITS OF THE FACULTY OF VETERINARY MEDICINE – SKOPJE

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Secretary

Ana Alimovska-Ordanovska

Head of Evaluation Committee

Prof. Igor Ulchar, PhD

Head of Quality Management System Committee (Accreditation)

Ass. Prof. Mirko Prodanov, PhD

Library

Biljana Stefanovska

Educational-scientific staff

Undergraduate and doctoral studies are conducted on Faculty of Veterinary Medicine. Undergraduate teaching on the Faculty of Veterinary Medicine is realized by full professors, associate professors, assistant professors and assistants.

Full Professors

Prof. Miso Hristovski, PhD
Prof. Velimir Stojkovski, PhD
Prof. Toni Dovenski, PhD
Prof. Vladimir Petkov, PhD
Prof. Plamen Trojchanec, PhD
Prof. Vlatko Ilieski, PhD
Prof. Romel Velez, PhD
Prof. Dine Mitrov, PhD
Prof. Zehra Hajrulai-Musliu, PhD
Prof. Slavcho Mrenoshki, PhD
Prof. Igor Ulchar, PhD
Prof. Pavle Sekulovski, PhD
Prof. Blagica Sekovska, PhD

Associate Professors

Prof. Jovana Stefanovska, PhD
Prof. Florina Popovska-Perchnikj, PhD
Prof. Lazo Pendovski, PhD
Prof. Dean Jankuloski, PhD
Prof. Trpe Ristoski, PhD
Prof. Aleksandar Dodovski, PhD
Prof. Vasilka Poposka-Trenevska, PhD
Prof. Irena Celeska, PhD
Prof. Iskra Cvetkovikj, PhD
Prof. Igor Dzhadzhovski, PhD

Assistant Professors

Ass. Prof. Nikola Adamov, PhD
Ass. Prof. Ksenija Ilievska, PhD
Ass. Prof. Branko Atanasov, PhD
Ass. Prof. Kiril Krstevski, PhD
Ass. Prof. Sandra Majsova, PhD
Ass. Prof. Mirko Prodanov, PhD
Ass. Prof. Elena Atanaskova Petrov, PhD
Ass. Prof. Ivica Gjurovski, PhD

Assistants

Ass. Sloboden Chokrevski, MSc



Dean and vice deans of FVMS (from left to right):

Prof. Toni Dovenski, PhD, Vice dean for finances,
Prof. Zehra Hajrulai-Musliu, PhD, Vice dean for science and international affairs,
Prof. Lazo Pendovski, PhD, Dean,
Prof. Igor Ulchar, PhD, Vice dean for education

Organisation structure of Faculty

The Faculty of Veterinary Medicine is organized in several educational-scientific units - institutes and also educational-specialized units - centres.
The departments, clinics, and laboratories are incorporated in institutes.
The administrative tasks on the Faculty are done by administrative service.

Educational- scientific organization units

Veterinary institute (VI)
Institute of reproduction and biomedicine (IRB)
Institute of food (IF)

Educational- specialized units

Quality Control Body (QCB)

Administrative service

Student service
Unit for legal and financial affairs

VETERINARY INSTITUTE



Director

Prof. Jovana Stefanovska, PhD
jstefanovska@fvm.ukim.edu.mk
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Scientific areas

Immunology, Microbiology, Pathology, Pathophysiology, Diseases of Ruminants, Diseases of Non-ruminants, Diseases of Small Animals, Diseases of Poultry, Parasitic Diseases, Infective Diseases, Surgery, Ophthalmology, Orthopedics, Radiology and Physical Therapy, Animal Hygiene, Forensic Veterinary Medicine

Research

Diagnostics of infectious diseases in domestic and wild animals, bacteriological investigations, antibiograms, mycological investigations, parasitological investigations, isolation and identification of viruses, serological investigations, molecular diagnostics, diagnostics of TSE, pathology, histopathology, clinical pathology

Facilities

Departments

- Department of microbiology and immunology
- Department of parasitology and parasitic diseases
- Department of pathology and forensic medicine
- Department of pathophysiology
- Department of animal hygiene and ecology
- Department of diagnostic imaging
- Department of internal diseases of farm animals
- Department of internal diseases of pets and equines
- Department of veterinary surgery
- Department of infectious diseases and epidemiology
- Department of aviary diseases
- Department of biology and pathology of fish, bees and wildlife

Centers

- Center for zoonoses

Laboratories

- Laboratory of microbiology
- Laboratory of serology
- Laboratory of molecular diagnostics
- Laboratory of parasitology and parasitic diseases
- Laboratory of BSE's
- Laboratory of rubies diagnostics
- Laboratory of diagnostics of fish, bee and wildlife diseases
- Laboratory of pathology and histopathology
- Laboratory of pathophysiology
- Laboratory of animal hygiene and ecology
- Radiology Cabinet

Reception Unit

UNIVERSITY VETERINARY HOSPITAL – CLINIC OF COMPANION ANIMALS AND EQUINES



UNIVERSITY VETERINARY HOSPITAL

Clinic of companion animals and
equines



On 14.05.2012 Macedonia has got its first University Veterinary Hospital, which is part of the Veterinary Institute within the Faculty of Veterinary Medicine – Skopje. With this Hospital animal health service quality has been significantly increased. The hospital has most recent equipment for diagnostics and treatment.

It contains stationary, radiology cabinet, echography, ECG and three laboratories: microbiological, parasitological, biochemical. Besides this, the animal owners could get instructions and advices how to take care about their pets. Primary objective of this Hospital is not the economical benefit, but the students, their training and practical teaching. This Hospital also obtains opportunities for development and improvement of the academic staff and scientific-research work.

It has most optimal conditions for studying, aid and treatment of different species of domestic pet animals.



Head

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INSTITUTE OF REPRODUCTION AND BIOMEDICINE



Ditrector

Prof. Florina Popovska-Perchinikj, PhD
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Scientific areas

Anatomy of Animals, Embryology, Physiology, Histology, Molecular Biology, Biochemistry, Animal husbandry, Andrology and Artificial Insemination, Reproduction and Obstetrics with Sterility, Endocrinology and Biotechnology of Reproduction

Research

Scientific and examination work in the field of biomedical sciences, laboratory diagnostics, plastination works, histology, embryo production
Research work in the field of reproduction, ultrasonic examination, pathology of reproduction, udder diseases, assisted reproduction (artificial insemination, embryotransfer, in-vitro fertilization, production of deep-frozen semen)

Facilities

Departments

- Department of functional morphology
- Department of husbandry
- Department of reproduction

Centers

- Center of artificial insemination
- Center of animal welfare

Laboratories

- Laboratory of production, crioconservation and control of semen of domestic animals
- Laboratory of assisted reproduction
- Laboratory of plastination
- Laboratory of biochemistry and cell biology
- Laboratory of histology and embryology
- Laboratory of genetic research in animals
- Laboratory of animal welfare assessment

INSTITUTE OF FOOD



Ditrector

Prof. Dean Jankuloski, PhD
djankuloski@fvm.ukim.edu.mk
tel. +389 2 3240 732

Scientific areas

Chemistry, Pharmacology and Toxicology,
Radiobiology, Hygiene and Technology of Products
and Raw of Animal Origin, Nutrition - Dietetics,
Veterinary Legislative

Research

Research work in the field of food and feed quality,
microbiological safety of food and feed, quality of
food and feed, residues and contaminants in food,
radiological safety of food, pharmacological and
toxicological analyses of veterinary medical
products

Facilities

Departments

- Department of food safety and veterinary public health
- Department of nutrition of domestic animals
- Department of chemistry
- Department of biochemistry and cell biology
- Department of pharmacology and toxicology
- Department of veterinary economics, management and biostatistics
- Department of veterinary legislative

Centers

- Center for side effects and information for veterinary medical products
- Education center for food safety and veterinary public health

Laboratories

- Laboratory of microbiology of food and feed
- Laboratory of quality of food and feed
- Laboratory of residues and contaminants
- Laboratory of raw milk quality
- Laboratory of pharmacology and toxicology

Reception Unit

DAYS OF VETERINARY MEDICINE



Science and professional meeting "Days of Veterinary Medicine" is reactivation of the tradition of science and professional meetings "International Conference for Ovine and Caprine Production" (KOK) and "International Symposium on Animal Reproduction", which in nineties were realized annually in Ohrid, organized by the Veterinary Institute in Skopje. After the fusion of the Veterinary Institute with Faculty of Veterinary Medicine in 2004, the Faculty became carrier of all activities of the former Veterinary Institute, so the need for reactivation of such manifestations was justified, if not in their initial, but in some other form. So, this cause initiation of idea for organization of science and professional meeting, which would not be only on local, but on international level, i.e. it would include participants veterinary medicine scientists and experts from the whole region and worldwide. New feature of this meeting, which was absent in those organized in the past, was participation of the veterinary practitioners, for improvement of their professional knowledge, according the new principles of continuous education and improvement. The second feature which differs this meeting from those from the nineties is that it is not thematically limited only on issues from ovine and caprine production and reproduction, respectively, but it has a large range of science disciplines from the veterinary medicine, so it is more attractive for a wide range of people. The "Days of Veterinary Medicine" are organized since 2010, and include lectures done by invited plenary lecturers, and oral and poster presentations done by applied participants. The foreign guests are from almost all countries from the region (Turkey, Bulgaria, Serbia, Croatia, Kosovo, Albania, Romania) and from Europe (Hungary, Austria, Italy, Belgium, Great Britain etc.).

Since 2010 the number of foreign guests and veterinary practitioners is continuously increasing, which shows the need for existence of such meeting in North Macedonia, and also proves the existence of condition this meeting to grow from year to year and to be continuously improved.



MACEDONIAN VETERINARY REVIEW

Macedonian Veterinary Review (Mac Vet Rev) is international scientific journal devoted to the advancement and dissemination of scientific knowledge concerning veterinary sciences and related academic disciplines.

The Journal "Mac Vet Rev" is an official publication of the Faculty of Veterinary Medicine-Skopje at the Ss Cyril and Methodius University in Skopje.

It is an international peer-reviewed, open access journal published two times per year.

Mac Vet Rev covers all scientific and technological aspects of veterinary sciences such as: anatomy, physiology, biochemistry, animal welfare, pharmacology, toxicology, microbiology, pathology, public health, food safety quality, parasitology, infectious diseases, clinical sciences, reproduction of animals, veterinary economy, alternative veterinary medicine and other biomedical fields.

Starting from the year 2010, the Macedonian Veterinary Review is published only in English language two times per year as a printed version (p-ISSN 1409- 7621) and an on-line electronic version (e-ISSN 1857- 7415).

The Journal accepts review articles, original scientific articles, short communications, case reports, technical communications and clinical reviews from the field

of veterinary sciences - basic, clinical, environmental, animal-origin food hygiene, feed hygiene, food safety and quality, animal and public health etc.

All articles published in Macedonian Veterinary Review are peer-reviewed. Papers are published after their acceptance.

The Journal "Mac Vet Rev" welcomes the submission of manuscripts that meet the general criteria of significance and scientific excellence.

The Macedonian Veterinary Review is an open access journal which means that all content is freely available without charge to the user or his/her institution. Users are allowed to read, download, copy, distribute, print, search, or link to the full texts of the articles in this journal without asking prior permission from the publisher or the author.

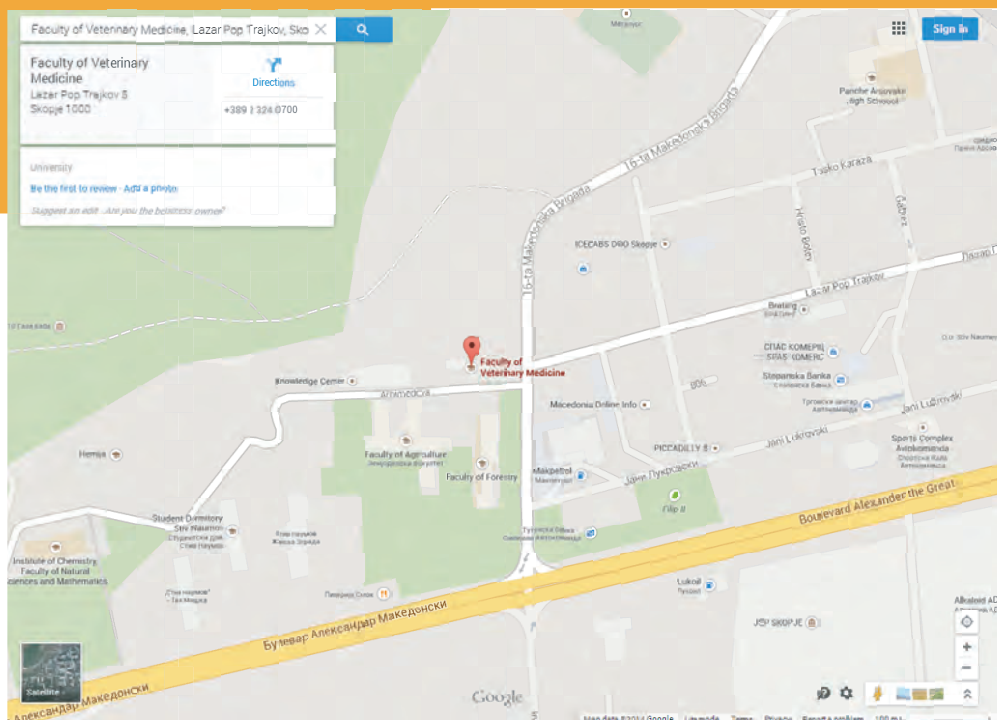
This is in accordance with the BOAI definition of open access.

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IN THE END...



USEFUL INFORMATIONS



Location of the Faculty of Veterinary Medicine - Skopje

The Faculty is located 4 km from the centre of Skopje, in the area called Avtokomanda, municipality Gazi Baba. Located behind the Hans Em Faculty of Forest Sciences, Landscape Architecture and Environmental Engineering, and includes five different buildings. Right next to the Faculty, the student campus "Stiv Naumov" is located.

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SEE YOU ON
OCTOBER 1ST

