

REPORT

visiting of Faculty of veterinary medicine Bologna, Italy

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On invoice of Faculty of veterinary medicine University of Bologna, as results of collaboration on EU Tempus project Eduvet, I accomplished two week visit.

1. Aim of visit:

In general: Introduction with a teaching and studying process at Faculty of veterinary medicine Bologna. To take their experience and advices about process of EAEVE visitations which will help us to improve our capabilities in next period and prepare us for EAEVE visitations in future.

Specific: To get a close view about organization of teaching process on surgery, clinical rotation of students at veterinary teaching hospital facility, organization of mobile clinic.

2. Period of visit: 6th-21st october

3. Tutors: prof. dr Alessandro Spadri, prof. dr Guliamo Bettini

4. General information about Faculty and studying programme of veterinary medicine

4.1. Organization of the faculty of veterinary medicine

The faculties, following Italian Law 240/2010, has been organized in vertical order as departments. There are 23 different departments at University of Bologna. Departments are the organisational units of the University that carry out scientific research, teaching and learning activities. Department of veterinary medicine DIMIVET at the University of Bologna is one of the most ancient and prestigious schools in Italy: the second recognition by the European Association of Establishments of Veterinary Education (EAEVE) sets this school on the same level as the best European universities. The veterinary faculty has been organized in following parts: **Laboratory services** including services of: Anatomy, Biochemistry, Physiology Clinical biochemistry, Pharmacology, Toxicology, Hygiene and technology, Infectious diseases, Analytical services, Veterinary fauna; **Veterinary teaching hospital** including services:

admission of large animals, admission of small animals, anesthesiology and intensive care. small animals, Surgery, anesthesiology and emergency, Imaging diagnostics, Internal medicine, Clinical pathology, Reproduction of animals, **Teaching farm and dairy and cheese factory and Museum of veterinary medicine.**

4.2. Studing programme general information:

Students enrolment: On the first year of studying a 200 students are enrolling every year of 400 of students attending a entering tests. The entering exam are consist of general terms question. Duration of the study is 5 years and 300 ECTS with joined first and second degree. After graduating, students are going to state exam in order to full fill criteria before a starting as competence veterinarians. There are a large numbers of subjects but not modularly divided by the species.

During my visit a most of the time I spent at Service of surgery anesthesiology and participate in clinical work and teaching process. But also I have visited some other services and included my experience about seen in these report below. During my visit a two of ours students from Novi Sad has arrived and they will spend here a part of academic year, and I was supported them in academic contact and about their academic needs.

5. Veterinary teaching hospital

After a brief introduction to the hospital in the first year of the single cycle degree programme in Veterinary Medicine, students gain insight into future professional prospects, and in the fifth year attend the Teaching Hospital for clinical training, prior to the State Exam. During this three-month period, students are actively involved in care and diagnostic activities, spending time in each department. Lifelong learning opportunities are also available to qualified Veterinary Surgeons, organised with the capital support of the hospital staff. These include specialist courses, PhD and Master's programmes (Postgraduate courses). Alternatively, graduates can apply for a training contracts, or can attend the Veterinary Teaching Hospital as visiting graduate student.

The Veterinary Teaching Hospital contributes considerably to the positive judgement of the EAEVE Commission. In fact, it provides excellent teaching support in terms of cases treated,

and is used to deliver practical specialised teaching in clinical sciences. This is the case for both undergraduate Veterinary studies and lifelong learning activities.

6. Service of Surgery, Anesthesiology and Intensive care

The Service of Surgery, Anesthesiology and Intensive Care carries out activities aimed at treating elective and urgent pathologies of surgical interest, on an inpatient or outpatient basis.

The Service is divided into two departments: Small animals and Large Animals (Horses and Ruminants).

Department for surgery of small animals: particular interest is the surgery of the Gastrointestinal, and Urinary Tract; the thyroid and adrenal surgery, the surgical repair of prosthetic perianal hernias and incisional hernias, surgery colo proctologic. There are also surgical specialties such as surgery for cancer of the soft and hard tissues and neurosurgery. The treatment of various diseases is carried out either by traditional surgical techniques or by applying the techniques of laparoscopic and thoracoscopic surgery, the latter are also found wide application in the staging of some cancers difficult to classify despite the most modern techniques of preoperative imaging.

In the operating theaters performing orthopedic surgery osteosynthesis with different techniques (AO plates and screws, intramedullary nails, external fixation); interventions for the reconstruction of articular ligaments, for the correction of dysplastic diseases and growth; Diagnostic and operative arthroscopy.

Department for Large Animals Surgery: Particular interest are abdominal surgery for colic syndrome and Caesarean sections; orthopedic surgery for fractures, joint disorders and techniques of reparative medicine especially for tendon injuries. Some diseases are treated by applying techniques videochirurgiche as arthroscopy, laparoscopy and thoracoscopy. Main Techniques of Anesthesia and Sedation include: General anesthesia and combined Regional anesthesia: central and peripheral blocks, Continuous peripheral nerve blocks, Treatment of post-operative pain The staff of the Department of Surgery, Anesthesiology and Intensive care are in an integrated manner with colleagues from other medical specialties fostering

multidisciplinary diagnostic and therapeutic decision-making in the early stages to provide the best treatment for each individual patient.

7. Mobile clinic

The mobile clinic are conducting at the fifth year usually in cooperation with local veterinarians. The minivan with nine sitting places is a transporting vehicle for students. The students are very well protected with protection dressing. Mobile clinic combine different disciplines in order to satisfy different owners demands. Outpatient surgery: biopsies, abscess, excision small skin growths, skin suture wounds, reproduction, internal medicine are usually involved disciplines employed during a clinical work on mobile clinic.

8. Teaching farm and dairy and cheese factory

Nearby faculty there are a dairy farm with dairy factory. This farm is property of veterinary faculty and it is important in conducting a practical teaching process in clinical disciplines (buiatrics medicine), food safety production (dairy factory). Teaching farm of the University of Bologna risevato to Buiatrics and in particular to the world of production of milk and its exploitation as a food among the noblest that are available to the consumer. Moreover a teaching farm is a place of meeting, discussion and comparison of all the people interested in the milk and its derivatives both as researchers, students, farmers, veterinarians, agronomists and consumers. There are a dairy farm, a dairy factory, and classrooms.

9. Museum of faculty of veterinary medicine

The museum is situated on faculty and it's of great scientific and educational interest, and it consist of museum of anatomy of domestic animals and museum of veterinary pathology and teratology. Museum collections are about 1,500 precious anatomical specimens of all the species Gallus domesticus set up in Bologna in the second half of the 1800 until the beginning of 1900.

Museum of Anatomy PatologicaII Museum exhibits hundreds of models in wax, clay and plaster, which reproduce, in full size and natural colors, organs of domestic animals with pathological lesions. The section exhibits numerous animal teratology with congenital malformations.

Teaching proces of surgery disciplines

Teaching proces are conducting trrough lectures, excersises, clinical work on clinic for smll and large animals and mobile clinic. Theaching process are divided in the subjects

Fourth year

- Semeiotics Pathology Anesthesiology and Veterinary Surgical Medicine
 - Surgical Veterinary Medicine VII semestar
 - Veterinary Anaesthesiology VII semestar

Fifth year

- **Veterinary Clinical Surgery and Orthopaedics**
 - Veterinary Surgery
 - Veterinary Orthopaedics
 - Rotations of students on clinic

PHOTOGRAPHIES OF VISIT



Large animals surgical room



Small animals surgical facilities



Horse stables



classroom for surgery and internal medicine of large animals'



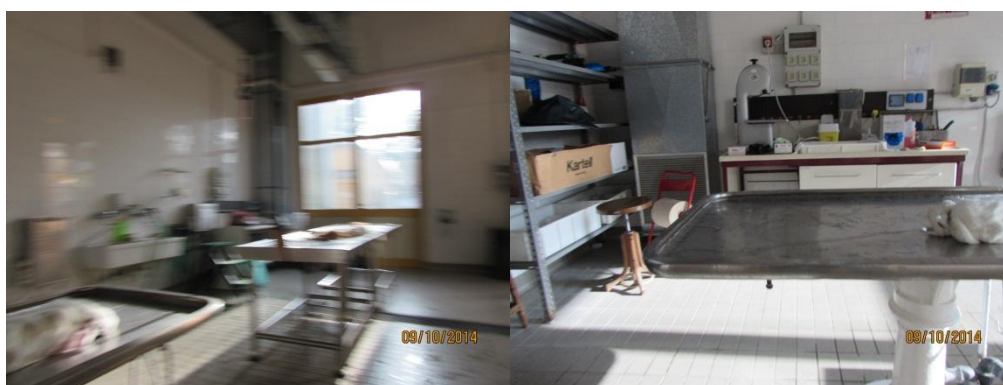
Large animals visiting room



Mobile clinic and on field work



Necropsy facilities: dressing room and booth sterilising device



Necropsy room



Part of a huge collection from museum of pathology and anatomy



Faculty dairy farm



Our students at Bologna