

Veterinary Orthopaedic (2 CFU; Hours: 15 lecture and lab 9)

Course learning objectives: knowledge of the most clinically relevant orthopaedic pathologies, application of the diagnostic procedure and evaluation of surgical techniques; at the end of the course, the student is able to recognise traumatic and dysplastic orthopaedic pathologies and carry out therapeutic planning.

Lessons

Topics and skills acquired	Topics	Specific Contents	Hours
1. ORTHOPAEDIC (TOT. 3 HOURS) [acquisition of: a) ability to perform a correct visit orthopedic b) the ability to identify major orthopedic diseases]	Orthopedic examination and lameness	Performing an orthopaedic examination (Signalment - history – visual examination - palpation - specific tests - collateral examination) Recognition and clinical significance of orthopaedic landmarks	2
	Lameness	Evaluation of lameness (video)	1
2. TRAUMATIC AND DEVELOPMENTAL DISEASES (TOT. 12 HOURS) [acquisition of: a) identify the main joint traumatic and congenital diseases b) the ability to recognize and resolve the fractures on the basis of biomechanical evaluations c) the ability to define the possible corrective surgery]	Fractures	Bone conformation, classification, healing, reduction/stabilisation, choice of technique for fracture repair	1
		Intramedullary pins and methods of application	1
		Cerclage and tension band	1
		Bone screws, bone plates, external fixation	2
	Joint diseases	Forelimb, shoulder and elbow pathologies: diagnosis and surgical treatments	2
		Coxofemoral joint disease: diagnosis and surgical treatments	2
		Stifle joint disease: patellar luxation, diagnosis and surgical treatments	2
		Stifle joint disease: rupture of the cranial cruciate ligament, diagnosis and surgical treatments	1

Labs

Topics and skills acquired	Topics	Specific Contents	Hours
3. ABILITY TO PERFORM, DEDUCE AND RECOGNISE (TOT. 9 HOURS) [acquisition: ability to assess a orthopedic pathology and perform various therapeutic applications]	Orthopedic clinical activities	Performing physical examination in healthy dog	2
		Applying a bandage in a dog	2
		Simulation of orthopaedic implant placement on bone models	2
		Radiographic measurements for hip dysplasia and reporting	2
		Interactive discussion of orthopaedic clinical cases	1