

# TENDON DISORDERS AND TREATMENT IN HORSES

1	Course Title:	TENDON DISORDERS AND TREATMENT IN HORSES
2	Course Code:	VCR6018
3	Type of Course:	Optional
4	Level of Course:	Third Cycle
5	Year of Study:	1
6	Semester:	2
7	ECTS Credits Allocated:	2.00
8	Theoretical (hour/week):	1.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Doç. Dr. GÖKSEN AYALP
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	Doç.Dr. Göksen AYALP Uludağ Üniversitesi Veteriner Fakültesi Hayvan Hastanesi Cerrahi Anabilim Dalı, Görükle Kampüsü, Bursa. Tlf (224) 2940840 goksenc@uludag.edu.tr
17	Website:	<a href="http://saglikbilimleri.uludag.edu.tr/anabilimdallari.php">http://saglikbilimleri.uludag.edu.tr/anabilimdallari.php</a>
18	Objective of the Course:	To give practical knowledge on tendon disorders especially to equine veterinarians that they are able to apply problem solving treatment methods in tendon disorders encountered in sport and working horses.
19	Contribution of the Course to Professional Development:	Students learn the tendo diseases and treatment methods of horses and gain experience in application in the field.
20	Learning Outcomes:	
	1	Know macro and micro morphology of equine tendons in sport horses and be aware of most encountered tendon injuries depending on type of exercise
	2	Be aware of etiological factors causing tendo injuries and know how to evaluate external influences on tendon health
	3	Perform ultrasonographical examination of equine flexor tendons in fore and hind limbs, know use of the technical equipment and sources for artefacts
	4	Recognize normal ultrasonographical anatomy of equine tendons and distinguish findings from pathology, make a list of differentials
	5	Be able to follow up tendon healing and make trainers and owners recommendations for the rehabilitation and return to racing of the injured horse
	6	Apply different up-to-date treatment methods in acute and chronic tendinitis, tendon lacerations and wounds
	7	Know orthopaedic shoeing methods in tendon disorders
	8	Make owner and trainer aware of correct training methods, care after racing and training and make recommendations on how to prevent tendon injuries in racing horses
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21	Course Content:	

	Course Content:			
Week	Theoretical	Practice		
1	Most encountered tendon disorders in sport horses, macro and micro morphology of the tendon			
2	Some definitions: tendonitis (acute / chronic, overstrain), desmitis, tendinosis, desmopathy, tendinopathy			
3	Aetiology and pathogenesis of tendonitis			
4	Clinical findings and diagnosis of tendonitis			
5	Ultrasonographic examination: forelegs (ultrasonographic anatomy, examination technique, pathological findings)			
6	Ultrasonographic examination: rear legs (ultrasonographic anatomy, examination technique, pathological findings)			
7	Differential diagnosis of tendon diseases (tendovaginitis, peritendonitis, neuritis, hematoma, oedema ...)			
8	Healing of tendonitis and follow-up			
9	Treatment of acute tendonitis: medical and operative treatment, stem cell therapy			
10	Treatment of acute tendonitis: physiotherapy, training program			
11	Treatment of chronic tendonitis and			
Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical	Prophylaxis in tendon problems	14	1.00	14.00
Practicals/Labs		0	0.00	0.00
22	Textbooks, References and/or Other Materials:	- The athletic horse, Hodgson DR, Rose RJ, WB Saunders company, 1994	2.00	28.00
Homeworks		1	5.00	5.00
Projects		- Mackinnon AO, 1st Ed., Williams & Wilkins, 1998 - Adams' Lameness in Horses, Ted S. Stashak, 5th Ed.,	10.00	0.00
Field Studies		6	2.00	12.00
Midterm exams		- Equine Surgery, Auer JA, Stick JA, 2nd Ed., W.B Saunders company, 1999.	10.00	0.00
Others		0	0.00	0.00
Final Exams		Hausser ML, Neyenesch, Intertek inc., USA, 1998.	1.00	1.00
Total Work Load				60.00
TERM LEARNING ACTIVITIES		NUMBER	WEIGHT	2.00
ECTS Credit of the Course				2.00
Midterm Exam		0	0.00	
Quiz		0	0.00	
Home work-project		1	10.00	
Final Exam		1	90.00	
Total		2	100.00	
Contribution of Term (Year) Learning Activities to Success Grade		10.00		
Contribution of Final Exam to Success Grade		90.00		
Total		100.00		
Measurement and Evaluation Techniques Used in the Course		Measurement and evaluation are performed according to the Rules & Regulations of Bursa Uludağ University on Undergraduate Education.		
24	ECTS / WORK LOAD TABLE			

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	5	5	2	3	5	5	5	5	2	5	0	0	0	0	0	0
ÖK2	4	5	2	2	3	5	5	5	4	5	0	0	0	0	0	0
ÖK3	5	4	5	2	3	3	5	5	3	5	0	0	0	0	0	0
ÖK4	5	5	4	2	4	2	5	5	3	5	0	0	0	0	0	0
ÖK5	5	4	4	2	5	4	5	5	5	5	0	0	0	0	0	0
ÖK6	5	5	5	2	5	4	4	5	5	5	0	0	0	0	0	0
ÖK7	5	4	4	2	3	3	5	5	5	5	0	0	0	0	0	0
ÖK8	4	3	5	5	2	5	5	4	5	5	0	0	0	0	0	0
LO: Learning Objectives    PQ: Program Qualifications																
Contribution Level:	1 very low		2 low			3 Medium			4 High			5 Very High				