

ASSISTED REPRODUCTIVE TECHNIQUES AND INVITRO FERTILIZATION

1	Course Title:	ASSISTED REPRODUCTIVE TECHNIQUES AND INVITRO FERTILIZATION
2	Course Code:	TÜB5001
3	Type of Course:	Compulsory
4	Level of Course:	Second Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	4.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. BERRİN AVCI
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	berrin@uludag.edu.tr (0-224) 2954071 Bursa Uludağ Üniversitesi, Tıp Fakültesi, Temel Tıp Bilimleri Binası, Histoloji ve Embriyoloji Anabilim Dalı, 16059 Nilüfer, BURSA (0-224) 2952525-28 Bursa Uludağ Üniversitesi, Tıp Fakültesi, Tüpbebek Merkezi 16059 Nilüfer, BURSA
17	Website:	
18	Objective of the Course:	To introduce assisted reproductive technologies (ART) used in the management of infertile couples. To compare various ARTs and to discuss problems encountered during and after ART procedures.
19	Contribution of the Course to Professional Development:	Having an idea about the working principles and practices of ÜYT centers in master degree education will contribute to their career determination more consciously.
20	Learning Outcomes:	
	1	To be informed about the historical process of development of assisted reproduction centers.
	2	To learn infertility treatment approaches.
	3	To be informed about organization and equipment of assisted reproduction centers
	4	To learn classical methods of assisted reproduction and micromanipulation techniques
	5	To be informed about the structural characteristics and the services of Embryology and Andrology laboratories
	6	To check the evaluation criteria of sperm, oocytes and embryos, their structural properties
	7	To be informed about embryo transfer and the freezing methods of gamete and embryo
	8	To learn the legal regulations of assisted reproduction treatment in Turkey.
	9	
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21	Course Content:		
	Course Content:		
Week	Theoretical	Practice	
1	The history of infertility research and treatments; IVF treatments		
2	Assisted reproductive techniques		
3	The competence of oocyte anf fertilization		
4	The evaluation criteria od sperm quality		
5	Micromanuplation techniques		
6	The evaluation criteria od embryo quality		
7	Embryo culture		
8	The compliance between oocyte and embryo in IVF		
9	Embryo transfer techniques		
10	Single embryo transfer		
11	Invitro maturation		
12	Fertility preservation; gamete and gonad freezing techniques		
13	Sperm and oocyte donation		
14	Assisted reproductive techniques; ethics and the laws		
Activites		Number	Duration (hour)
			Total Work Load (hour)
Theoretical		Eds. Blerkom JV, Gregory J. Kluwer Academic Publishers, 2004	28.00
Practicals/Labs		0	0.00
Self study and preperation		Laboratory and Clinical Insights" Eds. Patricia P. Tucker M. L. Guzman V. Lippincott Williams & Wilkins, 2002	56.00
Homeworks		0	0.00
Projects		Dejilbaşı L, Güneş Kitabevi, 2008. "Who Laboratuvar El Kitabı" Çev. Ed. Günel S. Dünya	0.00
Field Studies		0	0.00
Midterm exams		0	0.00
Others		2	14.00
TERM LEARNING ACTIVITIES		NUMBER	WEIGHT
Final Exams		1	1.00
Total Work Load			113.00
Total work load/ 30 hr		0	0.00
Quiz			
ECTS Credit of the Course			4.00
Final Exam		1	100.00
Total		1	100.00
Contribution of Term (Year) Learning Activities to Success Grade		0.00	
Contribution of Final Exam to Success Grade		100.00	
Total		100.00	
Measurement and Evaluation Techniques Used in the Course		Written exam consisting of multiple choice and / or classic questions	
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	3	5	4	3	0	5	5	4	3	2	0	0	0	0	0
ÖK2	5	3	5	4	3	0	5	5	4	3	2	0	0	0	0	0
ÖK3	5	3	5	4	3	0	5	5	4	3	2	0	0	0	0	0
ÖK4	5	3	5	4	3	0	5	5	4	3	2	0	0	0	0	0
ÖK5	5	3	5	4	3	0	5	5	4	3	2	0	0	0	0	0
ÖK6	5	3	5	4	3	0	5	5	4	3	2	0	0	0	0	0
ÖK7	5	3	5	4	3	0	5	5	4	3	2	0	0	0	0	0
ÖK8	5	3	5	4	3	0	5	5	4	3	2	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				