



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Multidisciplinary Treatment Approaches							
Course Code		ORD642		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	4	Workload	100 (<i>Hours</i>)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		Combined orthodontic-surgical lip and cleft palate (orthognathic) to teach specific embodiments of the orthodontic treatment in patients with etiology and treatment planning. Orthodontic treatment in patients with obstructive sleep apnea in patients with sleep apnea in children and adults with a diagnosis of dental and orthodontic problems are intended to provide information about oral appliance therapy combined orthodontic and surgical treatments.							
Course Content		Cleft lip and palate patients with maxillary orthopedic treatment of early infancy, milk, mixed and permanent dentition period of orthodontic treatment, orthognathic surgery principles; clinical, basic principles of diagnosis and treatment, distraction osteogenesis method; new bone formation, potential errors and complications, dentofacial growth and its impact on the development of respiratory problems, upper airway imaging, lateral cephalometric evaluation and location of the diagnostic analysis of dentofacial structure, head posture, the hyoid bone position and obstructive sleep apnea, the relationship between obstructive sleep apnea patients dental and orthodontic evaluations, respiratory disorders associated with the children sleep, nasal and oropharyngeal pathology, neuromuscular disorders, dentofacial deformities, childhood orthodontic treatment of respiratory disorders associated with sleep, appliance therapy in the mouth in obstructive sleep apnea, snoring and obstructive sleep apnea, mandibular advancement appliances used in the treatment, nasopharyngeal airway of mandibular advancement appliances, polysomnographic data and their impact on everyday symptoms of the patient, the apparatus treatment in the mouth and temporomandibular joint relationship, mandibular other treatment for obstructive sleep apnea syndrome combined use of advance appliances							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion					
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	Proffit, W.R., Fields, H.W, Sarver DM. Contemporary Orthodontics, 4th edition Mosby Elsevier Company, Missouri, 2007
2	Graber TM, Vanarsdall RL, Vig KWL, Orthodontics: Current Principles and Techniques, 4th edition Elsevier Mosby Company, Missouri, 2005

Week	Weekly Detailed Course Contents	
1	Theoretical	Tissue reactions in orthodontics (The biology, histology and biochemistry of tooth movements)
	Practice	Tissue reactions in orthodontics (The biology, histology and biochemistry of tooth movements)
2	Theoretical	The effects of systemic diseases on tooth movements
	Practice	The effects of systemic diseases on tooth movements
3	Theoretical	The effects of drugs on tooth movements
	Practice	The effects of drugs on tooth movements
4	Theoretical	The complications of orthodontic treatment
	Practice	The complications of orthodontic treatment
5	Theoretical	Cleft lip-palate treatments
	Practice	Cleft lip-palate treatments
6	Theoretical	Treatments applied within the scope of adult orthodontics
	Practice	Treatments applied within the scope of adult orthodontics
7	Theoretical	Obstructive sleep apnea syndrome
	Practice	Obstructive sleep apnea syndrome
8	Theoretical	Orthodontic applications for esthetic purposes
	Practice	Orthodontic applications for esthetic purposes
9	Theoretical	Orthodontic treatment approaches for missing teeth
	Practice	Orthodontic treatment approaches for missing teeth



10	Theoretical	Orthodontic applications for periodontally problematic patients
	Practice	Orthodontic applications for periodontally problematic patients
11	Theoretical	Minor surgeries applied during orthodontic treatment
	Practice	Minor surgeries applied during orthodontic treatment
12	Theoretical	Orthodontic applications to the patients requiring restorative treatment
	Practice	Orthodontic applications to the patients requiring restorative treatment
13	Theoretical	The materials and techniques used in adult orthodontics
	Practice	The materials and techniques used in adult orthodontics
14	Theoretical	The biomechanical differences of adult orthodontics and retention
	Practice	The biomechanical differences of adult orthodontics and retention

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	2	28
Individual Work	3	0	8	24
Midterm Examination	1	9	1	10
Final Examination	1	9	1	10
Total Workload (Hours)				100
[Total Workload (Hours) / 25*] = ECTS				4

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	The objective of this course is to teach students the biology of orthodontic tooth movements, the effects of systemic conditions on tooth movements, the side effects of orthodontic treatment.
2	The objective of this course is to teach students particularly the special treatment approaches applied in coordination with other clinic branches.
3	Students who have successfully completed this course will be able to apply orthopedic/orthodontic treatment to cleft lip-palate patients,
4	Students who have successfully completed this course will be able to diagnose, plan, conduct and apply presurgical and postsurgical orthodontic treatment to the orthognathic surgery patients and understand the surgical techniques.
5	can do orthognathic treatment planning

Programme Outcomes (Orthodontics Doctorate)

1	Must know the transition procedure from primary dentition to permanent dentition, tooth eruption guidance, the precautions for tooth absence and bad habits.
2	May be able to diagnose the orthodontic malocclusion and able to present treatment alternatives for the case.
3	May be able to apply the analysis necessary for diagnosis, such as cephalometric analysis and model analysis and must know the occlusion.
4	Must know the orthodontic tooth movement, the force necessary for the tooth movement, and be able to take the precautions according to the unwanted tooth movements.
5	Must be able to diagnose the functional malocclusions and apply functional appliances.
6	Must be able to apply fixed treatment techniques used in our clinic such as edgewise, Roth, Alexander, MBT
7	Must be aware of the new treatment techniques and improvements in orthodontics.
8	Must know how the craniofacial complex develops and be able to follow the patient's development and growth.
9	Must be able to know how to apply removable appliances and their fabrication and their effects.
10	Must know about the retention period for the patient in order to keep the treatment results stable.

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4
P1			2	
P2	5	5	5	2
P3	4	4	1	1
P4	4	4	1	2
P5	5	5	1	3
P6	4	4	2	2
P7	4	4	3	3



P8	3	3	5	3
P9	3	3	2	2
P10	4	4	4	4

