



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Fissure Sealants in Caries Prophylaxis							
Course Code		PED628		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	2	Workload	56 (Hours)	Theory	1	Practice	2	Laboratory	0
Objectives of the Course		This is the teaching of the measures to be taken in order to prevent early childhood caries in the intended pedodontic patient group. To provide the knowledge and skills about fissure sealant from the application of the permanent teeth along with the protective applications applied							
Course Content		Fissure sealants' which is prophylaxis against cutting its relationship with dental plaque and dental tissue indications, properties, events and methods of application will be examined.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Individual Study					
Name of Lecturer(s)		Prof. Işıl SÖNMEZ							

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Pinkham JR, Casamassimo PS, McTigue DJ, Fields HW, Nowak AJ. 2005, Pediatric Dentistry: Infancy Through Adolescence.
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Week	Weekly Detailed Course Contents	
1	Theoretical	What is the risk of decay?
2	Theoretical	Identification and evaluation of caries risk . What are caries risk factors?
3	Theoretical	Evaluation of caries activity in clinical examination
4	Theoretical	Caries activity tests in clinics
5	Theoretical	Microbial counting on plaque and saliva
6	Theoretical	Strip-mutation technique
7	Theoretical	Dip-slide technique
8	Theoretical	Saliva flow rate measurement
9	Theoretical	Measurement of salinity buffering capacity
10	Theoretical	What is Fissure sealant application?
11	Theoretical	Epidemiology of occlusal decay, surface morphology of pits and fissures
12	Theoretical	Histopathology of pits and vernal caries, historical perspective on prevention of pit and fissure caries
13	Theoretical	Alternatives to pit and fissure treatment, fissure sealant and protective resin restorations and decay protection
14	Theoretical	Clinical applications: Theoretical knowledge about sealant application and application of protective resin restoration
15	Intermediate Exam	Midterm exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	1	10	14	24
Lecture - Practice	1	10	2	12
Individual Work	2	5	5	20
Total Workload (Hours)				56
[Total Workload (Hours) / 25*] = ECTS				2

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	To be able to understand the concept of fissure sealant applications and protective resin restorations.
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2	Acquisition of fissure sealant and protective resin restoration application skill.
3	Learning the types of fissure sealant materials
4	Learning the endications and contrendications of fissure sealants
5	Evaluating the success of fissure sealants

Programme Outcomes (Pediatric Dentistry Doctorate)

1	Must be able to diagnosis and treatment plan in child patient
2	Must know the preventive dentistry treatments.
3	Must be able to restorative treatments in pediatric patient
4	Must be able to know how to apply space maintenances and their fabrication and their effects.
5	Must be able to clinical approach for dental trauma
6	Must be able to manage the dental treatment of handicapped and uncooperative child patient iunder dental sedation and general anesthesia
7	Must be aware of the new treatment techniques and improvements in pedodontics.

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

	L1	L2	L3	L4	L5
P2	3	3	3	3	3

