



Mansoura University
Faculty of Dentistry
Department of Conservative



COURSE SPECIFICATION

**Doctorate in the field of Esthetic
and Restorative Dentistry**

**Course Director: Prof. Salah Hasab Mahmoud,
Chairman of Conservative Dentistry Department**

Course Coordinator:

Dr. Nadia Mohamed Zaghoul,
Associate Professor in Operative Dentistry
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2014/2015



Mansoura University
Faculty of Dentistry
Conservative Dentistry Department

Division of Operative Dentistry

Academic Year 2014/2015

Course Purpose

This Four-year clinical-research doctorate program offers advanced education in the recent topics of esthetic and operative dentistry. The program provides a comprehensive training on the recent restorative techniques, minimally invasive dentistry concepts, as well as the clinical application of the recent research outcome in the field of restorative dentistry.

Aim

The clinical-research doctorate program in Faculty of Dentistry, Mansoura University is a very special program. This program aims to develop the clinical and research skills of the candidate, which will help him/her to achieve high academic standards without affecting the candidate's clinical performance. The department will encourage the candidate to publish at least one manuscript from his/her research project in one of the peer-review dental journals.

Clinical course, progress and development

- ❖ PGS will be divided into small groups, each will be supervised by the full-time clinical Assistant-, Associate- and full- professors according to their schedule in the clinics.

- ❖ Each candidate will present a clinical case in the departmental scientific meeting (every fore night). The PGS will gain the skills of presentation, discussion and problem solving during the meeting.

- ❖ Problem-based learning method will be applied throughout the coursework and students will have a journal club on recent scientific topics to develop their analytical skills.
- ❖ As a part of the doctorate program, each candidate should conduct a randomized clinical trial on one of the recent topics of Restorative Dentistry, with a follow-up period not less than 2 years. All the trials will be supervised by the full-time staff members and follow the ethical guidelines of Mansoura University

➤ **Clinical requirements for of the program (Operative Division)**

Category	Specifications		Requirements		
			Number	Unit	
Esthetic Cases	Diastema closure		5	Case	
	Bleaching	Vital	In-office	5	Case
			Dentist-supervised (Home)	3	Case
		Non-vital		3	Case
	Laminate veneers	Direct		10	Tooth
		Indirect		3	Case
Restorative Cases	Management of incipient carious lesions through a medical model		6	Case	
	Inlays		5	Tooth	
	Onlays		5	Tooth	
	Posterior tooth-colored restorations		14	Tooth	
	Anterior tooth-colored restorations		18	Tooth	
	Complex amalgam restorations		14	Tooth	
	Restoration of endodontically-treated teeth		6	Tooth	
	Treatment of root caries		8	Tooth	
	Full mouth rehabilitation case		2	Case	

➤ **Attendance**

The PGS should attend at least 75% of the clinical sessions

The treatment plan and restorative steps should be approved by one of the full-time staff in the student's logbook.

➤ **Examination System**

- The candidate should successfully pass his/her thesis oral defense exam
- The candidate should pass the written, Clinical and Oral of the special part exams after passing the oral defense
- Also, the examination committee should be satisfied with the candidate's logbook and clinical performance during the whole program as part of the evaluation.

➤ **Participant evaluation sheets**

Towards the end of the program each participant have the opportunity to comment confidentially on various aspects, in an anonymous evaluation sheets. The course coordinator will review the student's sheets and write a report, which will be submitted to the course director and the chairman of the department.

Program content and learning objectives

- Candidate should attend and actively participate in the departmental meetings, scientific activities and journal club
- Candidate will has a research meeting with his/her supervisors at least 2 times per/month
- Candidate should present his research proposal in front of the departmental council before confirmation of his doctorate candidature
- A bi-annual report about the candidate's progress should be submitted to the departmental council by his/her primary supervisor
- The doctorate candidates will deliver a seminar on recent topics of restorative dentistry elaborating the new advances in this field (every 2 weeks) and this session will be supervised by one of the full-time staff

Reading list

The discussions in the departmental meetings are very useful source for the students.

The last editions of the following books are useful.

- Hugh Devlin, Operative Dentistry A Practical Guide to Recent Innovations, Springer-Verlag Berlin Heidelberg
- B Kidd, EAM, Pickards Manual of Operative Dentistry. Oxford Medical Publications
- AJE Qualtrough, JD Satterthwaite, LA Morrow, PA Brunton, Principles of Operative Dentistry, Blackwell Publishing

- Robert G. Craig, John M. Powers, Restorative Dental Materials, Mosby, Inc.
- James Summitt, J Williams Robbins, Richard Schwartz, Jose dos Santos, Fundamentals of Operative Dentistry A Contemporary Approach, Quintessence Publishing Co, Inc
- Heymann H, Swift EJ, Ritter AV, Sturdevant CM. Sturdevant's art and science of Operative Dentistry. 6th edn. St. Louis, Mo.: Elsevier/Mosby, 2013
- Eliades G, Watts DC, Eliades T. Dental hard tissues and bonding : interfacial phenomena and related properties. Inn: Van Landuyt K, De Munck J, Coutinho E, Peumans M, Lambrecht P, Van Meerbeek B. Bonding to dentin: smear layer and the process of hybridization. Berlin ; New York: Springer, 2005
- International Caries Detection and Assessment System (ICDAS) co-ordinating committee . ICDAS-II. Available from: <https://www.icdas.org/home>
- Ricketts D, Bartlett DW. Advanced Operative Dentistry : a practical approach. Edinburgh ; New York: Churchill Livingstone Elsevier.

Course Coordinator:

Dr. Nadia Mohamed Zaghoul,
Associate Professor in Operative Dentistry
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Full-time Departmental staff (Operative Devison):

- Prof. Salah Hasab Mahmoud (Professor)
- Prof. Hanan Abdelrazik Hegazi (Professor)
- Dr. Nadia Mohamed Zaghoul (Associate Professor)
- Dr. Ashraf Ibrahim Ali (Assistant Professor)
- Dr. Hamdi Hosni Hamama (Assistant Professor)

Course Director and Chairman of the Department

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