



جامعة العلوم والتقنية في الفجيرة  
UNIVERSITY OF SCIENCE & TECHNOLOGY OF FUJAIRAH

## CURRICULUM VITAE

### PERSONAL INFORMATION

Name:	Mohamed Medhat Abdelrahman Hassan Kataia
Nationality:	Egyptian
Job Title:	Professor
College:	Dentistry
Department:	Endodontics
Contact Information:	E-mail, Office Phone No, Mobile Number (optional)

### EDUCATIONAL BACKGROUND

**1. Doctorate: PhD in Endodontics, Title of the Thesis :** Effect of novel hand stainless steel vs modified rotary nickel-titanium instruments and modified instrumentation technique on shaping of root canal space (comparative ex-vitro and in- vivo study), **Cairo University, in Egypt, 2013..**

**2. Master: Mater degree in Endodontics, Title of the Thesis:** Cutting Efficiency as Correlated with Design Feature Measurements of Three Different Rotary Root Canal Instruments. In-Vitro Study, **Cairo University, in Egypt, 2010.**

**3. Bachelor Major, BDS oral and dental medicine, faculty of dentistry, Misr University for science and technology, in Egypt, 2004.**

### PROFESSIONAL EXPERIENCE

From (year)	To (year)	Position	Employer	Country
2005	2010	Demonstrator	MUST University	Egypt
2010	2013	Assistant lecturer	MUST University	Egypt
2013	2014	Lecturer	MUST University	Egypt
2014	2018	Lecturer	Minia University	Egypt
2018	2023	Associate Professor	British University	Egypt
2023	2024	Professor	British University	Egypt
2024	Current	Professor	USTF	Fujairah

### TEACHING EXPERIENCE AREA / COURSES)

Professor Kataia has been engaged with academic teaching since 2005, since he graduated from MUST University in Egypt. He succeeded in finishing his Master program from Cairo University, in 2010. In addition to also finishing his PhD in Endodontics from the same University in 2013. Since then, he has been a Lecturer of Endodontics teaching modules in MUST University. In 2014 Professor Kataia Joined the academic staff of Minia University. As a lecturer, and in 2018 he got promoted to Associate Professor, and acting HOD of endodontic department. By September 2018 Professor Mohamed Kataia was assigned as Acting HOD of Department of Endodontics British University in Egypt. 2023 professor Kataia got promoted to full Professor and became head of the Endodontic department. In 2024, he joined the University of Science and Technology Fujairah. Dr. Kataia has engaged in a lot of activities during his academic career, Quality assurance Team, teaching and learning comity, community service, in addition to ethical committees. He has also participated in many educational courses for the Egyptian Dental syndicate as a part of community service to help advance the level and skill of Ministry of health general practitioners. Ha has participated in numerous national and international conferences and is a keynote speaker for leading dental companies.

### RESEARCH AREA

Professor kataia's research mainly focuses on Endodontics, shaping and restorability of the tooth. Recently he has published and engaged in multiple randomized controlled studies that are patient related and has a primary outcome which directly affects the welfare of patients along with their whole dental experience.

### PUBLICATIONS

#### 1. JOURNALS

Cutting efficiency of different cross-sectional design protaper rotary instruments - in-vitro study ) Dec 2015 Journal of Innovations in Pharmaceuticals and Biological Sciences Vol 3, 116-122

Push out bond strength of three root canal sealers to root canal dentin walls. April 2016 Egyptian Dental Journal

Dye extraction method evaluation of the sealing ability of three types of endodontic sealers Jan 2016 Egyptian Dental Journal

Evaluation of bond strength and microleakage between Bio dentine and MM-MTA as retrograde filling material. Egyptian Dental Journal. April 2016

Evaluation of the efficacy of alveolar bone healing in dogs with and without low intensity laser modulation. Oct 2016 Egyptian Dental Journal

Evaluation of herbal irrigation on micro-hardness of root canal dentin an in-vitro study. Egyptian Dental Journal (Jan 2017)

Design of novel injectable in-situ forming scaffolds for non-surgical treatment of periapical lesions in-vitro and in-vivo evaluation. Feb 2017. International Journal of Pharmaceutics, 15;521)

Comparative surface topography analysis between Wave one gold and wave one reciprocating files using scanning electron microscope and their effect on canal curvature. Egyptian Dental Journal. April 2018

Comparative analysis of canal transportation using reciproc and Wavo one Qold in simulated root canals using different kinematics. Future Dental Journal. 2018

Evaluation of Eggshell Powder as an Experimental Direct Pulp Capping Material. International Journal of dentistry vol.6) 781-791, April 2018.

Efficacy of Different Techniques Used for Root Canal Retreatment. Future Dental Journal. 2018

Clinical versus radiographic success of necrotic primary molars treated by lesion sterilization and tissue repair. a randomized controlled trial. vol. 65, 2763-2767, July, 2019. Egyptian Dental Journal

Micro-computed tomographic evaluation of the apical seal of endodontically treated teeth by two obturating techniques and two post space preparation techniques. j int oral health 2020;12:41-5.

Effect of different kinematic cutting motion in multiple versus single-file concept on dentinal crack formation an *in vitro* study. j int oral health 2020;12:s30-40.

Incidence of postoperative pain after using different kinematic cutting motion in multiple versus single file concept. vol. 65, 2769-2777, July, 2019. Egyptian Dental Journal

Histological Evaluation of Apical Closure After Autotransplantation of Immature Permanent Dog Teeth Treated with Regenerative Endodontic. Indian Journal of Public Health Research & Development, October 2019, Vol. 10, No. 10

Micro-computed Tomographic Evaluation of the Apical Seal of Endodontically Treated Teeth by Two Obturating Techniques and Two Post Space Preparation Techniques. Journal of International Oral Health Vol.12: 41-5 Feb 2020.

Shaping ability of two heat treated rotary NiTi instruments using different kinematics/in vitro study Bulletin of the National Research Centre Vol 45:42 Feb 2021.

Cutting efficiency of two heat-treated files in rotation and reciprocation motion. Bulletin of the National Research Centre Vol 45:120 June 2021.

Survival and Adherence of Apical Stem Cells to Root Canal Dentin after Conditioning with Apple Vinegar. Vol. 8, No. 3 July 2021, 425-435 Al azhar dental journal for girls.

Fracture resistance of root canal-treated molars restored with ceramic overlays with/without different resin composite base materials: an in vitro study. Odontology, E-Pub Jan. 2022 ;110(3):497-507.

Biomechanical Behavior and Life Span of Maxillary Molar According to the Access Preparation and Pericervical Dentin Preservation: Finite Element Analysis. J.of endodontics, Jul;48(7):902-908.

Assessment of the Clinical Outcomes of Single Visit Regenerative Endodontic Procedure In Treating Necrotic Mature Teeth with Apical Periodontitis Using Biological Irrigating Solution. Macedonian Journal of Medical Sciences. Accepted not yet published.

Triple blinded split mouth clinical trial after single visit root canal treatment to Compare Post-operative pain subsequent to different apical finishing sizes M Kataia, E Kataia, H Khalil – 2024. BMC Journal

Impact of Angle of File Access and Location of Canal Curvature on the Dynamic Cyclic Fatigue of Nickel Titanium Rotary Instruments. D Assaf, M Abou El Seoud, M KATAIA, S Saber. European Endodontic Journal 9 (2) 2024

Functionalized surface of PLGA nanoparticles in thermosensitive gel to enhance the efficacy of antibiotics against antibiotic resistant infections in endodontics: A randomized clinical trial. MG Arafa, HA Mousa, MM Kataia, M Shehabeldin... - International Journal of Pharmaceutics: X, 2023

Effect of proximal caries-driven access on the biomechanical behavior of endodontically treated maxillary premolars. Nawar Naguib Nawar, Roaa Abdelwahab Abdelfattah, Mohamed Kataia, Shehabeldin Mohamed Saber, Engy Medhat Kataia, Hyeon-Cheol Kim. 2023/10/1, Journal of Endodontics, 49-10-1337-1343

Biomechanical Behavior of Two-Rooted Maxillary Second Premolar with Different Access Cavities and Apical Preparations(A Finite Element Analysis). Eur. Chem. Bull. 2023, 12(Special Issue 8),1546-1558

Efficacy of using chitosan and chitosan nanoparticles as final irrigating solutions on smear layer removal and mineral content of intraradicular dentin. H Abdelkafy, HM Elsheikh, MM Kataia, RM Marzouk. Journal of Indian Society of Pedodontics and preventive dentistr 2023

Clinical and Radiographic Assessment of Periapical Healing on Laser Application in Periapical Surgery. M Abouelnour, MNE Dein, MM Kataia, NS Elkilani - Al-Azhar Journal of Dentistry, 2023

Clinical versus radiographic success of necrotic primary molars treated by Lesion Sterilization and Tissue Repair. A randomized controlled trial. July 2019. Egyptian Dental Journal

## 2. CONFERENCES

1. 16th International Conference Of The Egyptian Dental Society
2. University Of Genova Department Of Surgical And Diagnostic Sciences. (Italy)
3. Application Of Hard And Soft Tissue Laser In Dentistry (Italy)
3. Dentsply Maillefer Continuing Education Program. Egypt
4. The Solution Of Endodontic And Restorative Treatment Course Egypt
5. 9th International Implantology Conference Of The Egyptian Scientific Society For Dental Implantologists(Egypt)
6. "Implants.. Bridge To The Future(Egypt)
7. Fdi Annual World Dental Congress (Thailand)
8. 17th Egyptian Dental Association International Conference(Egypt)
9. 6<sup>th</sup> Minia University International Dental Conference(Egypt)
10. "Link Your Future" Ein Shams 2nd International Conference (Egypt)
11. International Conference Of The Aswan Dental Syndicate (Egypt)
12. Egyptian Scientific Society For Dental Implantology 10th International Conference "Implants Innovation"(Egypt)
13. International Dental Fayoum And North Uper Egypt Conference(Egypt)
14. 18th International Conference Of The Egyptian Dental Association(Egypt)
15. 1<sup>st</sup> International Dental Congress of Arab Dental Federation December 2018
16. 17th Egyptian Dental Association International Conference (Egypt)
17. 1st International Conference Faculty Of Dentistry Benisuef University(-Egypt)
18. "Geometry Crafted For Excellence"Egyptian Clinical Dental Society Conference (Egypt)
19. Aswan Dental Syndicate First Dental Symposium "Forgetting Frequent File Fracture"(Egypt)
20. Egypt Dental Syndicates International Conference (Egypt)
21. Mansoura University International Dental Conference(Egypt)
22. International Conference Of The Aswan Dental Syndicate(Egypt)
23. Fayoum Dental Syndicate Dental Conference International Dental Fayoum & North Uper Egypt Congress(Egypt)
24. Cairo Dental Syndicate Endodontic Program(Egypt)
25. 18th International Conference Of The Egyptian Dental Association(Egypt)
26. Pan Arab Conference (Morocco)
27. The 1<sup>st</sup> Faculty Of Dentistry Online Conference, Bue. One Globe In Dentistry With No Borders, 17-18 July 2020
28. Index International Dental Expo And Clinical Congress November 2020.
29. Index International Dental Expo And Clinical Congress August 2021.
30. Egyptian Dental Syndicate International Congress, 1-3 September 2021.
31. EGYPT Dental International Congress And Exhibition, 7-9 September 2021.
32. Index International Dental Expo And Clinical Congress March 2022.
33. Africa Health Con. Egyptian International Exhibition & Convention Center, Cairo Egypt, June 2022.
34. Pan Endo Conference, From Africa To The World, July 2022.
35. UAE International Dental Conference And Arab Dental Exhibition, February 2023
36. UAE International Dental Conference And Arab Dental Exhibition, February 2024
37. Index International Dental Expo And Clinical Congress March 2024.

## PROFESSIONAL AND ACADEMIC ACTIVITIES

### 1. Professional Training (conductance and attendance)

**Staff development courses in the following:**

- Hybrid teaching methods 31/8/2023
- Critical thinking 10/9/2023

## 2. Workshops and seminars (conductance and attendance)

1. Rotary Revos Instrumentation And Obtura li Obturating Technique (Egypt)
2. Train The Trainers Protaper Nextworkshop (Egypt)
3. Application Of Hard And Soft Tissue Laser In Dentistry (Italy)
4. "The Golden Era Of Root Canal Instrumentation And Scientificatly Proven
5. 3d Obturation N Endodontic Therapy"(Egypt)
6. Art And Science Of A Perfect Smile(Egypt)
7. Current Trends In Osseo Integration And Implant Prothesis(Egypt)
8. Endodontic Retreatment Using 3d Tech(Egypt)
9. Minimally Invasive Facial Aesthetic Show(Egypt)
10. How To Manage Severly Curved Canals(Egypt)
11. Diode Laser In Dentistry(Egypt)
12. Stress Free Endodontics (Egypt)
13. Single File Systems Time To Receprocate In Blue(Egypt)
14. 2 Shape 2 Files To Shape With Safe New Innovative File System(Egypt)

## 3. Master Theses Supervision

1	Sara Hussien	Biomechanical Behavior of Two-Rooted Maxillary Second Premolar with Different Access Cavity Designs and Root Canal Preparations (A Finite Element Analysis)	BUE
2	Mohamed monem	A finite element analysis of the effect of different types of endodontic cavities on strength of maxillary second premolar	BUE
3	Dina ASSAF	Effect of angle file of access and location of curvature on the cyclic fatigue resistance of Ni-Ti rotary instruments.	BUE
4	Abdalah Harras	The impact of low-level laser treatment on the success of inferior alveolar nerve blocks in symptomatic irreversible pulpitis mandibular teeth (A Randomized Clinical Trial)	BUE
5	Abdalah Shafeek	Comparative evaluation of the efficiency and safety for different ultrasonic tips for the removal of separated endodontic instruments (in vitro study)	BUE
6	Nehal Sameer	Effect of Different Intracanal Medications used during Regenerative Endodontic Procedures on the Viability of Mesenchymal Stem Cells and on Root Dentin Microhardness (An In Vitro Comparative Study)	BUE

## 4. Doctorate Theses Supervision

1	Mohamed Selim	Pulp and periodontal regeneration in autogenously transplanted immature permanent teeth treated with regenerative endodontic treatment	9/2020	المنيا
2	Heba Safwat	Survival and adherence of apical stem cells to root canal dentine after conditioning with apple vinegar	10/2021	الازهر بنات
3	Maha Nassar	Assessment of implementing nano- technology in the irrigation protocol of one step revascularization for necrotic mature teeth (Randomized clinical trial)	2/2022	القاهرة

<b>MEMBERSHIP OF SCIENTIFIC ASSOCIATIONS</b>
<b>Member in the Egyptian Dental Association (EDA)</b>
<b>Member in the Egyptian association of Endodontics (EAE)</b>