Curriculum Vitae



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Current position:

- Professor of Oral Medicine, Periodontology and Oral Radiology, Faculty of Dentistry, Alexandria University, Egypt.
- Professor of Oral Surgical sciences, Division of Periodontology, Beirut Arab University, Beirut, Lebanon.

Academic qualifications:

- **BDS** (1999) Faculty of Dentistry Alexandria University.
- **MSc** (2007) Oral Medicine, Periodontology, and Oral Radiology, Faculty of Dentistry, Alexandria University.
- **PhD** (2013) Oral Medicine, Periodontology and Oral Radiology, Faculty of Dentistry, Alexandria University.

Career History

- Demonstrator (2001-2007) Oral medicine, Periodontology and Oral radiology department, Faculty of Dentistry, Alexandria University.
- Assistant lecturer (2007- 2013) Oral medicine, Periodontology and Oral radiology department, Faculty of Dentistry, Alexandria University.
- Lecturer (2013-2019) Oral medicine, Periodontology and Oral radiology department, Faculty of Dentistry, Alexandria University.
- Associate professor (2019-present) Oral medicine, Periodontology, and Oral radiology department, Faculty of Dentistry, Alexandria University.
- Professor (2024-present) Oral medicine, Periodontology, and Oral radiology

department, Faculty of Dentistry, Alexandria University. 2

- Visiting professor of Periodontology (2023/2024), Beirut Arab University, Beirut, Lebanon.
- Professor of Periodontology (2024-present), Beirut Arab University, Beirut, Lebanon.

Professional activities

- Professor of Oral Medicine, Periodontology and Oral radiology at the undergraduate "***International Program***" for foreign students at Faculty of Dentistry, Alexandria University (2013-2024).
- Course director and clinical supervisor for Master degree Periodontology courses, Faculty of Dentistry, Alexandria University
- Course director, lecturer, and clinical supervisor at "**Clinical Master of Oral Implantology Program**", Faculty of Dentistry, Alexandria University.
- Lecturer and clinical supervisor at the Comprehensive Dental Implant Certificate program **CDICP** (one year fellowship program), Faculty of Dentistry, Alexandria University (Program director Prof. Dr. Mohamed Moataz Khamis) (2016/2017-2024).
- Lecturer and clinical supervisor in (**Advanced periodontal practice course**) a continuous education certified course, Faculty of Dentistry, Alexandria University (2021-2024)
- Clinical Supervisor for periodontal surgeries for Master degree and PhD postgraduate students.
- Member of student affairs committee, Faculty of Dentistry, Alexandria University (2019-2024).
- Head and member of graduate and postgraduate examination control (2013-2024).

Scientific activities

- Lecturing on "Enhancement of vertical alveolar ridge augmentation grafted with resorbable bioceramic composite" in "Bioceramic 28" congress at Charlotte, North Carolina, USA (October 18-21/2016).
- Poster presentation "Clinical and radiographic evaluation of piezosurgical buccal plate repositioning technique for horizontal alveolar ridge augmentation using silica-calcium phosphate nanocomposite (SCPC) graft material" at **Europerio 10**, Copenhagen, Denmark (June 15-18/2022)
- Poster presentation " Clinical Radiographic and Masticatory Muscle

Efficiency Evaluation of Narrow Diameter Implant Supported Mandibular Overdenture" at 34th Annual Meeting of the Academy of Osseointegration, Washington DC, USA (March 13-16 /2019).

- Poster presentation "Bone Regeneration in Extraction Socket Grafted with Resorbable Bioactive SCPC Dental Bone Graft. A Case Report" at 34th Annual Meeting of the Academy of Osseointegration, Washington DC, USA (March 13-16 /2019).
- Poster presentation "Evaluation of periodontal changes following mid maxillary distraction in cleft lip and palate patients" in "Cleft 2017" congress in Chennai, India. (February 2017)
- Member of the Academy of Osseointegration USA (2019-2020)
- Lecturing on "Hard and soft tissue management around dental implants" one day course and workshop at Alexandria dental syndicate (November 2021)
- Teaching "Flap designs, sutures and suturing techniques" one day course and workshop at Alexandria dental syndicate (November 2015,2016).
- Lecturing "Functional and Esthetic Crown Lengthening" at Alexandria dental syndicate, Directorate of health affairs (January 2016, November 2016, December 2016) at Ministry of health (January 2017, 2018).
- Enrolled as a candidate in the mastership program "**Lasers in Dentistry**" AALZ Aachen Dental Laser Center- Sigmund Freud University, provided by MIU university, Cairo, Egypt (one year mastership program, 2023).

Private practice

- Periodontal surgery specialist at private clinics of (Dr. Marwa el Khateeb) (2013-2022), (Dr. Ahmed Bayoumi, Asnan center) (2016-2019) and DIGIDENT dental center (2019-2024).
- Shareholder at **DIGISCAN** dental and maxillofacial imaging center for cone beam CT, Pan, and Ceph and dental implant services (222 El Horreya Road, Sporting, Alexandria, Egypt).
- General practitioner at Alexandria Ear and nose Hospital (2001-2002).

Publications

1. Saad, F., Fahmy, R. A. Evaluating Vitamin C Mesotherapy for Gingival Depigmentation: An Analysis of TGF-β1 and E-cadherin Expression in Oral Epithelial Melanization (Histological, Histochemical and Immunohistochemical Study). Egyptian Journal of Histology, 2026; 49(2): 441-451. doi: 10.21608/ejh.2026.466257.2399
2. Al-Qarghouli, Masar, Rania A. Fahmy, Fatma Saad and Marwa Mahmoud Khalil. "Sexual dimorphism in mandibular morphometry: a comparative cone beam computed tomography study of Egyptian and Saudi populations." *Journal of Stomatology* (2026): DOI:10.5114/jos.2026.160131
3. Awad AI, Khadr MAA, Abdelhady S, Abdelaziz R. Evaluation of endocan biomarker levels in peri-implant crevicular fluid of healthy and diseased peri-implant sites: a cross-sectional study.

BMC Oral Health. 2025 Jul 30;25(1):1276. doi: 10.1186/s12903-025-06633-8. PMID: 40739222; PMCID: PMC12308893.
4. Ramadan RE, Razek MKA, Mohamed FS, Fahmy RA, Abd-Ellah ME. Single posterior implant-supported restorations fabricated using a scannable healing abutment versus a conventional scan body: A randomized controlled trial. J Prosthet Dent. 2024 Mar 29:S0022-3913(24)00198-7. doi: 10.1016/j.prosdent.2024.02.035. Epub ahead of print. PMID: 38555270.
5. Esmat SA, El-Sayed NM, Fahmy RA. Vitamin C mesotherapy versus diode laser for the esthetic management of physiologic gingival hyperpigmentation: a randomized clinical trial. BMC Oral Health. 2023 Nov 21;23(1):899. doi: 10.1186/s12903-023-03614-7. PMID: 37990224; PMCID: PMC10662509.
6. Elshafey MM, Tarek ZM, Fahmy RA. Piezosurgical Buccal Plate Repositioning Technique: A Modified Surgical Approach for the Horizontal Augmentation of Atrophied Mandibles. Int J Oral Maxillofac Implants. 2024 Feb 27;39(1):57-64. doi: 10.11607/jomi.10427. PMID: 37910834.
7. Ramadan RE, Razek MKA, Mohamed FS, Fahmy RA, Abd-Ellah ME. Positional transfer accuracy of titanium base implant abutment provided by two different scan body designs: an invitro study. BMC Oral Health. 2023 Oct 11;23(1):746. doi: 10.1186/s12903-023-03399-9. PMID: 37821890; PMCID: PMC10568787.
8. Mohamed LA, Khamis MM, El-Sharkawy AM, Fahmy RA. Evaluation of immediately loaded mandibular four vertical versus tilted posterior implants supporting fixed detachable restorations without versus with posterior cantilevers. Oral Maxillofac Surg. 2022 Sep;26(3):373-381.
9. Abdel Raheem IM, Hammad IA, Abel Kader SH, Fahmy RA. Fabrication of a CAD-CAM custom healing abutment guided by a conventional dental radiograph for delayed loaded dental implants: A dental technique. J Prosthet Dent. 2022 Jan;127(1):49-54.
10. Moussa H, Fahmy RA, Madi M, Khalil NM. Periodontal changes following distraction osteogenesis in patients with cleft lip and palate: a clinical trial. Angle Orthod. 2022 Nov 1;92(6):764-772.
11. Elkersh NM, Fahmy RA, Zayet MK, Gaweesh YS, Hassan MG. The precision of two alternative indirect workflows for digital model production: an illusion or a possibility? Clin Oral Investig. 2023 Apr 13. doi: 10.1007/s00784-023-04996-2. Epub ahead of print. PMID: 37046002.
12. El-Danasory MB, Khamis MM, Abdel Hakim AA, Fahmy RA. Outcomes of bio-esthetic single implantsupported restorations after peri-implant soft tissue conditioning with two prosthetic techniques: A 1- year randomized clinical trial. J Prosthet Dent. 2023 Mar 23:S0022-3913(23)00122-1. doi: 10.1016/j.prosdent.2023.02.012. Epub ahead of print. PMID: 36966102.
13. El-Danasory MB, Khamis MM, Abdel Hakim AA, Fahmy RA. CAD-CAM custom healing abutments: A dental technique. J Prosthet Dent. 2022 Nov 8:S0022-3913(22)00638-2. doi: 10.1016/j.prosdent.2022.09.019. Epub ahead of print. PMID: 36369061.
14. Fahmy RA, Mahmoud N, Soliman S, Nouh SR, Cunningham L, El-Ghannam A. Acceleration of Alveolar Ridge Augmentation Using a Low Dose of Recombinant Human Bone Morphogenetic Protein-2 Loaded on a Resorbable Bioactive Ceramic. J Oral Maxillofac Surg. 2015 Dec;73(12):2257-72.
15. Fahmy RA, Soliman S, El-Ghannam A, Nouh SR. Enhancement of Vertical Alveolar Ridge Augmentation in Canine Defect Model Grafted with Resorbable Bioceramic Composite. KEM 2016;720:53–7. https://doi.org/10.4028/www.scientific.net/kem.720.53
16. Rania Abdel Aziz Fahmy. PC192: Clinical and radiographic evaluation of piezosurgical buccal plate repositioning technique for horizontal alveolar ridge augmentation using silica-calcium phosphate nanocomposite (SCPC) graft material. (2022), E-Poster | Clinical Report Presentation. J Clin Periodontol, 49: 289-385. https://doi.org/10.1111/jcpe.13637
17. Nesma Said Zahran, Fatma Ramzi Kamel, Rania abdelaziz Fahmy, Eman H Thabet. Effect of local injection of Stem-cell derived Extracellular vesicles on alveolar bone regeneration in a rat model of induced periodontitis: an experimental study October 2025 Alexandria Dental Journal https://doi.org/10.21608/adjalexu.2025.369497.1611
18. Esmat SA, El-Sayed NM, Fahmy RA. The Power of Pink: Transforming Smile Esthetics through Laserassisted Gingival Depigmentation. Alexandria Dental Journal. 2024 Jan 29.
19. Shehata, M., Alashwah, A., Ahmed, R., Ahmed, A. Evaluation Of Immediate Loaded Implants Placed Using The Socket Shield Technique In The Esthetic Zone (A Randomized Controlled Clinical Trial). Alexandria Dental Journal, 2024; (): -. doi: 10.21608/adjalexu.2023.192795.1351
20. Elsaid SF, Abouelkheir HM, Fahmy RA, Genena SM. Assessment Of Cone Beam Computed Tomography Scans Referral Reasons And Its Impact On Modifying Treatment Plan In

Endodontics. Alexandria Dental Journal. 2023 Dec 1;48(3):70-6.
21. Abdelaziz, N., Fliefel, R., Fahmy, R., Elprince, N. Evaluating the osseointegration of immediate dental implant placed in the presence of chronic inflammatory periapical lesions. Alexandria Dental Journal, 5 2023; 48(1): 109-116. doi: 10.21608/adjalexu.2022.97396.1249
22. Nabawi AK, Ramzy FK, Eldakkak SM, Fahmy RA. Digital analysis of labial alveolar changes after socket shielding with a root resectioning guide: A clinical trial. Alexandria Dental Journal. 2023 Jan 1;47(4):6-6.
23. Galal GM, Elba GA, Kawana KY, Fahmy RA, Mehanna RA. Biological evaluation of adipose tissue-derived stem cells on alveolar bone healing in rats with ligature induced periodontitis. Alexandria Dental Journal. 2022 Dec 1;47(3):54-62.
24. Tayeb FE, El Rashidy ME, Fahmy RA, Abd El Gaffar MS. Adjunctive treatment with locally delivered aloe vera gel in patients with chronic periodontitis (a randomized, controlled trial). Alexandria Dental Journal. 2022 Dec 1;47(3):42-8.
25. NM Elkersh, RA Fahmy, MK Zayet, YS Gaweesh. Validity and reliability of digital models generated from CBCT scanning. Alexandria Dental Journal 47 (1), 50-55, 2022
26. Kammoun YA, El Sharkawy A, Khamis MM, Fahmy RA. Radiographic assessment of bone level changes around four implants supporting immediately loaded mandibular screw-retained prosthesis. Alexandria Dental Journal. 2022 Aug 1;47(2):113-20.
27. Shokry M, Fahmy R, Melek L. Evaluation of the Influence of Bone Density on Secondary Implant Stability After Maxillary Sinus Augmentation with and without Bone Grafting: A Randomized Controlled Clinical Trial. Egyptian Dental Journal. 2022 Jul 1;68(3):2165-75.
28. Elmekkawy EA, Gaweesh YS, Fahmy RA, Safwat WM. Cone beam computed tomography (CBCT) in gender determination through mental foramen position in an Egyptian population sample (a retrospective study). Alexandria Dental Journal. 2020 Aug 1;45(2):19-23.
29. Marwa Ibrahim; Nesma M Khalil; Rania A Fahmy. Management of Class II furcation defects in dogs using combination of Propolis and Nanobone graft. Egyptian Dental Journal. Volume 65, Issue 4 - October 2019, Page 3365-3374
30. LM El Saadawy, RA Fahmy, K Matrawy, MH Zeitoun, Y Gaweesh. Relation of cone-beam computed tomography assessment of mandibular bone density to Dual Energy Absorptiometry in type 2 Diabetes Mellitus patients. Alexandria Dental Journal 44 (1)2019
31. HM Warda, YS Gaweesh, AM Rizk, RA Fahmy. Accuracy of cone beam computed tomography in assesement of mandibular furcation defects as compared to the intra-operative findings. Alexandria Dental Journal 44 (1)2019
32. MI Youssef, N Mahmoud, Z Darwish, R Fahmy. The effect of topically applied hyaluronic acid gel versus topical corticosteroid in the treatment of erosive lichen planus. Alexandria Dental Journal 44 (1)2019
33. Mostafa M. Teranelly; Muhammed A. Gad; Adham A. El Ashwah; Rania A. Fahmy; Wafaa S. Elemary. EMG comparison between masticatory muscle when using narrow diameter implant assisted mandibular overdentures. Alexandria dental journal. (2019), volume 44,Page 22-27
34. Rania A Fahmy, Gehan S Kotry, Omneya R Ramadam. Periodontal regeneration of dehiscence defects using a modified perforated collagen membrane. A comparative experimental study. Future dental Journal. volume 4 (2018) 225–230
35. Rania A Fahmy, Maha R Taalab. Modified Tunnel Technique for Management of Gingival Recession in Esthetic Zone Using Acellular Dermal Matrix Versus Connective Tissue Graft. Future Dental Journal.2018;6(2)125
36. Rania A Fahmy, Sherif M El-Dakkak. The ability to predict primary implant stability using ConeBeam Computed Tomography. IOSR Journal of Medical and Dental sciences (IOSR-JMDS) Volume 17, Issue 12 Ver. 5 (December. 2018), PP 80-85
37. Rania A Fahmy, Maha R Taalab, Mostafa M Teranelly. The Influence of Bone Density on Primary Implant Stability, and Clinical and Radiographic Outcome of Narrow Diameter Implants Supporting Mandibular Overdentures. IOSR Journal of Medical and Dental sciences (IOSR-JMDS) Volume 17, Issue 12 Ver. 6 (December. 2018), PP 17-23
38. Norai A. Zayed, Ahmed M. Hommos, Sahar SH. Karam, Rania A. Fahmy. Soft Tissue Healing Around Immediately Placed Dental Implants Augmented with Amniotic Chorion Membrane Versus Connective Tissue Graft (A Clinical and Histological Study). Alexandria Dental Journal. (2018) Vol.43 Pages:27-34
39. Yaser A. Shamsan, Riham M. Eldibany Gaafar N. El Halawani, Rania A. Fahmy. Flapless Versus Conventional Flap Approach for Dental Implant Placement in The Maxillary Esthetic Zone.

Alexandria Dental Journal. (2018) Vol.43 Pages:80-85.
40. Eman Soliman, Aber Abdeatti, Rania A Fahmy, Mona Helmy. Periodontal Microbiota in a cohort 6 of Egyptian Patients with Rheumatoid Arthritis and their Relation to Serum and Gingival Anticitrullinated peptide Protein Antibodies and Different Disease Parameters. Egyptian Rheumatology & Rehabilitation, Vol. 45 No. 4, October-December 2018
41. Fatma M Boker, Maha A Abou-Khadr, Hanna S Raslan, Rania A Fahmy . Quantitative analysis of tissue regeneration after use of chitosan membrane versus collagen membrane in the management of grade II furcation defects in dogs. Alexandria Dental Journal. Volume 42- Issue 2-2017
42. Maha Mahmoud, Rania A Fahmy, Mona M Ashraf. A Possible Association Between Gingival Crevicular Fluid Inflammatory Cytokines and Rheumatoid Arthritis Disease Activity. Egyptian Dental Journal Volume 62, Number 1, January 2016
43. Mahmoud RA, Hassab AH, Magid MH, Soliman EA, Fahmy RA, Ashraf MM. Study of chronic periodontitis in rheumatoid arthritis patients and its relation to serum anticitrulinated peptide antibody levels. Egyptian Journal of Obesity, Diabetes and Endocrinology. 2016 May 1;2(2):108.
44. Hanan M. Ghaitth, Mona Lotfy, Samia Soliman, Rania A Fahmy. Quantitative Analysis of Interradicular Bone Regeneration after Use of Modified Perforated Collagen Membrane versus Occlusive Membrane in the Management of Grade II Furcation Defects in Dogs. International Journal of Science and Research (IJSR) Volume 5 Issue 7, July 2016 402-407
45. Mahmoud RA, Hassab AH, Abdel Magid MH, Soliman EA, Fahmy RA, Ashraf MM. Study of chronic periodontitis in rheumatoid arthritis patients and its relation to serum ACPA levels. Egypt J Obes Diabetes Endocrinol 2016;2:108-16.
46. Faraj A. Ali, Faten S. Abbas, Rania A. Fahmy. Comparative study between two types of attachments used for root-supported overdenture. Alexandria Dental Journal. (2016) Vol.41 Pages:12-19
47. Fahmy RA. Clinical and radiographic evaluation of piezosurgical buccal plate repositioning technique for horizontal alveolar ridge augmentation using silica-calcium phosphate nanocomposite (SCPC) graft material. PC192: Supplement: Abstracts of EuroPerio10, Copenhagen, Denmark, 15-18 June 2022. J Clin Periodontol. 2022 Jun;49 Suppl 23:4-385. doi: 10.1111/jcpe.13634. PMID: 35688421.