

Curriculum Vitae

Personal History

- 1- First name: Doaa Middle name: Adel Family name: Khattab
- 2- Date and place of birth: 06-08-1983, Cairo, Egypt
- 3- Nationality: Egyptian.
- 4- Sex: Female.
- 5- Languages English: Very Good, IELTS 6.5. German B1.2.level.
- 6- Email: dr.doaa.adel-khattab@dent.asu.edu.eg
- 7- Mobile: +201006814258

8- Education:

2017: PhD. Periodontology, Oral Medicine and Diagnosis, Faculty of Dentistry, Ain Shams University, Egypt (Title: Autogenous bone rings and bioactive bone grafting with and without simultaneous implant placement for localized alveolar vertical ridge augmentation (Clinical and Experimental study).

2016: Dr. Med. Dent. Experimental Orofacial Medicine, Faculty of Dentistry, Philipps University, Marburg, Germany. (Title: Development of a synthetic 3D printed bioceramic- based bone graft with homogenously distributed osteoblasts and mineralizing bone matrix for reconstruction of segmental discontinuity defects).

2011: Master Degree, Periodontology Department. Faculty of Dentistry, Ain Shams University, Cairo, Egypt. (Master title: Clinical and Radiographic outcome using Platelets Rich Fibrin and Marginal Periosteal Pedicle Graft as an autogenous Guided Tissue Membrane in treating Periodontal Intrabony Defects.

2006: Internship Faculty of Dentistry, Ain Shams University, Cairo, Egypt.

2005: BDS, Faculty of Dentistry, Ain Shams University, Cairo, Egypt.

2000: Secondary School: El Rowad Language School

Academic qualification

Current position: Lecturer Oral Periodontology department, Faculty of Dentistry, Ain Shams University. Egypt.

06.02.2012 - 25.09.2017: Assistant Lecturer at Periodontology department, Faculty of Dentistry, Ain Shams University. Egypt.

2010-2011: Demonstrator at Periodontology department, Faculty of Dentistry, Ain Shams University. Egypt

2007- 2010: Resident at Periodontology department, Faculty of Dentistry, Ain Shams University. Egypt

Previous scholarship:

PhD Scholarship joint supervision in Philipps University Marburg and Dr. Med. Dent promotion in Philipps University Marburg funded by the Egyptian Government from 4/5/2015 to 26/12/2016

Postdoctoral Scholarship by DAAD, German Egyptian research short term scholarship (GERSS) from 15.02.2019 to 15.08.2019 in Periodontology department, Justus Liebig University, Giessen, Germany.

List of Publications:

- 1- Doaa Adel-Khattab, Ahmed Y Gamal, Hadir F. El-Dessouky and Khaled Abdel Ghaffar. Clinical outcome using Platelets Rich Fibrin and Marginal Periosteal Pedicle Graft as an autogenous Guided Tissue Membrane in treating Periodontal Intrabony Defects. *Al-Azhar Journal of Dental Science Vol. 14 - No. 2 - April 2011*
- 2- Doaa Adel- Khattab D, Marian Kampsculte, Barbara Peleska, Renate Gildenhaar, Georg Berger, Cynthia Gomes, Ulf Linow, Jens Günster, Houshmand A, Stiller M , Ghaffar K, Gamal A, EL-Mofty M, Knabe C. An intrinsic angiogenesis approach and varying bioceramic scaffold architecture affect blood vessel formation in bone tissue engineering in vivo. *Key Engineering Materials*. 2016; 1662-9795, Vol. 720, pp 58-64.
- 3- Doaa Adel- Khattab, Francesca Giacomini, Renate Gildenhaar, Georg Berger, Cynthia Gomes, Ulf Linow, Martin Hardt, Barbara Peleska, Jens Günster, Alireza Houshmand, Micheal Stiller, Khaled Abdel Ghaffar, Ahmed Gamal, Mohamed EL-Mofty, Christine Knabe. Development of a synthetic tissue engineered 3D printed Calciumalkaliphosphate-based bone graft with homogenously distributed osteoblasts and mineralizing bone matrix *in vitro*. *Key Engineering Materials*. 2016;1662-9795,Vol.720,pp82-89.

- 4- Christine Knabe, Anyur Mele, Peter Herbert Kann, Barbara Peleska, Doaa Adel-Khattab, Harald Renz, Alexander Reuss, Marc Bohner, Michael Stiller. Effect of sex-hormone levels, sex, body mass index and other host factors on human craniofacial bone regeneration with bioactive tricalcium phosphate grafts. *Biomaterials*. 2017 Apr;123:48-62.
- 5- Christine Knabe, Doaa Adel-Khattab, Paul Ducheyne. Bioactivity – mechanisms *Comprehensive Biomaterials* P. Ducheyne, K. Healy, D. Hutmacher, D.W. Grainger, J.P. Kirkpatrick editors Elsevier Oxford UK (Edition 2) Epub 2017.
- 6- Christin Knabe, Paul Ducheyne, Doaa Adel-Khattab, Micheal Stiller. Dental graft materials. In: „Comprehensive Biomaterials”. Volume 6, Chapter 6.620. P. Ducheyne, K. Healy, D. Hutmacher, D.W. Grainger, J.P. Kirkpatrick, editors. Elsevier, Oxford, UK, (Edition 2) Epub 2017.
- 7- Christine Knabe , Doaa Adel-Khattab, Ester Kluk, Rainer Struck, Michael Stiller. Effect of a Particulate and a Putty-Like Tricalcium Phosphate-Based Bone-grafting Material on Bone Formation, Volume Stability and Osteogenic Marker Expression after Bilateral Sinus Floor Augmentation in Humans. *J Funct Biomater*. 2017 Jul 29;8(3). pii: E31.
- 8- Christine Knabe, Tom Knauf, Doaa Adel-Khattab, Barbara Peleska, Wolf-Dietrich Hübner, Fabian Peters, Alexander Rack, Renate Gildenhaar, Georg Berger, Jens Günster, Alireza Houshmand, Michael Stiller. Effect of a Rapidly Resorbable Calcium Alkali Phosphate Bone Grafting Material on Osteogenesis after Sinus Floor Augmentation in Humans. . *Key Engineering Materials*. 2017; 1662-9809, Vol. 758, pp 239-244.
- 9- Doaa Adel-Khattab, Francesca Giacomini, Renate Gildenhaar, Georg Berger, Cynthia Gomes, Ulf Linow, Martin Hardt, Barbara Peleska, Jens Günster, Alireza Houshmand, Micheal Stiller, Khaled Abdel Ghaffar, Ahmed Gamal, Mohamed EL-Mofty, Christine Knabe. Development of a synthetic 3 D printed bioceramic-based bone graft with homogenously distributed osteoblasts and mineralizing bone matrix *in vitro*. *J Tissue Eng Regen Med*. 2018 Jan;12(1):44-58
- 10- Knabe C, Adel-Khattab D, Hübner WD, Peters F, Knauf T, Peleska B, Barnewitz D, Genzel A, Kusserow R, Sterzik F, Stiller M, Müller-Mai C. Effect of silicon-doped calcium phosphate bone grafting materials on bone regeneration and osteogenic marker expression after implantation in the ovine scapula. *J Biomed Mater Res B Appl Biomater*. 2019 Apr;107(3):594-614.

11- Adel-Khattab D, Afifi NS, Abu El Sadat SM, Aboul-Fotouh MN, Tarek K, Horowitz RA. Bone regeneration and graft material resorption in extraction sockets grafted with bioactive silica-calcium phosphate composite (SCPC) versus non-grafted sockets: clinical, radiographic, and histological findings. *Periodontal Implant Sci.* 2020 Dec;50(6):418-434. doi: 10.5051/jpis.2000040002.

12- Elraee L, Moussa M, Adel-Khattab D. Autogenous Dentin Block of A Non Restorable Wisdom Tooth for Localized Horizontal Ridge Augmentation: Radiographic and Histological Analysis: A Preliminary Case Report. *Clin Adv Periodontics.* 2020 Oct 15. doi: 10.1002/cap.10130. Online ahead of print

13- Christine Knabe, Doaa Adel-Khattab, Christian Müller-Mai, Barbara Nebe, Michael Schlosser, Robert B. Heimann and Hans-Jürgen Kock. In vitro and in vivo performance of biomaterials and biomedical devices. *Materials for medical application.* 2020. Edited by: Robert B. Heimann.

14- Hana-Ayad Ensir, Tom Knauf, Doaa Adel-Khattab, Alina Bednarek, Imran Tariq, Georg Berger, Renate Gildenhaar, Michael Stiller, Christine Knabe. Effect of a bioactive calcium alkali orthophosphate bone grafting material as compared to tricalcium phosphate on osteogenesis after sinus floor augmentation in patients. *Biomed Sci Instrum Vol 57(1)* January 2021.

15- Adel-Khattab D, Montero E, Herrera D, Zhao D, Jin L, Al-Shaikh Z, Renvert S, Meyle J. Evaluation of the FDI Chairside Guide for Assessment of Periodontal Conditions: A Multicentre Observational Study. *Int Dent J.* 2021 Jan 30:S0020-6539(20)36555-2. doi: 10.1016/j.identj.2020.12.024. Online ahead of print.

16- Adel-Khattab D, Groeger S, Domann E, Chakraborty T, Lochnit G, Meyle J. *Porphyromonas gingivalis* induced up-regulation of PD-L1 in colon carcinoma cells. *Mol Oral Microbiol.* 2021 Mar 14. doi: 10.1111/omi.12332.

17- Adel-Khattab D, Samy AM, Horowitz RA. Dentists' perception toward COVID-19: A cross-sectional study among a sample of Egyptian dentists. *Oral Dis.* 2021 Oct 21:10.1111/odi.14053.

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Oral Presentations and Posters

- 1- Doaa Adel-Khattab, Ahmed Y Gamal, Hadir Fouad El-Dessouky, Khaled Abdel Ghaffar. Effect of vascularized periosteum or platelet-rich fibrin autogenous membrane barriers on the healing of intrabony defects treated with cancellous Bovine bone Mineral: A Randomized Clinical Trial. Poster in the Egyptian Dental Association Congress. 5-8 November 2013, Intercontinental Hotel, Cairo-City Stars.
- 2- Doaa Adel-Khattab. Adjunctive role of PRF in palatal wound healing after Free Gingival Graft harvesting. Oral Presentation in IADR session in the 4th International Dental Congress Intercontinental Hotel, Cairo, 7- 10- April 2015.
- 3- Doaa Adel-Khattab, Khaled Abdel Ghaffar, Ahmed Gamal, Mohamed EL-Mofty, Christine Knabe. Autogenous bone rings with and without simultaneous implant placement for localized alveolar vertical ridge augmentation. Table Clinic Presentation. ICOI world congress XXXII . 15-17 October 2015. Berlin, Germany.
- 4- Doaa Adel-Khattab, Francesca Giacomini, Renate Gildenhaar, Georg Berger, Cynthia Gomes, Ulf Linow, Martin Hardt, Barbara Peleska, Jens Günster, Alireza Houshmand, Micheal Stiller, Khaled Abdel Ghaffar, Ahmed Gamal, Mohamed EL-Mofty, Christine Knabe. Development of a synthetic 3 D printed bioceramic-based bone graft with homogenously distributed osteoblasts and mineralizing bone matrix *in vitro*. Oral Presentation in Bioceramics 28 symposium North Carolina Charlotte 17-21 October 2016.
- 5- Doaa Adel-Khattab, Khaled Abdel Ghaffar, Ahmed Gamal, Mohamed EL-Mofty, Christine Knabe. Autogenous bone rings with and without simultaneous implant placement for localized alveolar vertical ridge augmentation (Case Series). Oral Presentation in kurzvorträge Implantologie session in Deutscher Zahnärztetag Congress Center Messe Frankfurt am Main 11-12 November 2016. Frankfurt, Germany.
- 6- Doaa Adel-Khattab, Francesca Giacomini, Renate Gildenhaar, Georg Berger, Cynthia Gomes, Ulf Linow, Martin Hardt, Barbara Peleska, Jens Günster, Alireza Houshmand, Micheal Stiller, Khaled Abdel Ghaffar, Ahmed Gamal, Mohamed EL-Mofty, Christine Knabe. Fabrication of a bioengineered 3D printed calciumalkaliphosphate-based bone graft with homogenously distributed osteoblasts and mineralizing bone matrix *in vitro*. Oral Presentation. Society For Biomaterials Annual Meeting, South Minneapolis, 5-8 April 2017.

- 7- Doaa Adel-Khattab, Michael Stiller, Esther Kluck, Rainer Struck, Christine Knabe. Effect of a particulate and a putty-like tricalcium phosphate-based bone grafting material on bone formation, volume stability and osteogenic marker expression after bilateral sinus floor augmentation in humans. Oral Presentation in Bioceramics 29 symposium Toulouse, France 25-27 October 2017.
- 8- Doaa Adel-Khattab, Abdel Rahman Khalaf, Mohamed El Mofty. Debate of different vertical ridge augmentation techniques for esthetic zone. Oral Presentation Ain Shams *3rd International Dental Conference*, Cairo, Intercontinental Hotel, Citystars 16th - 19th October 2018.
- 9- European Federation of periodontology (Europerio 9), Amsterdam, June 20-23 2018.
- 10- Egyptian dental syndicate international congress EDSIC2019, 4-6 September 2019.
- 11- Doaa Adel-Khattab, Recent advances of stem cell application in dentistry. Al-Azhar University. 13. 10. 2021

Conferences and courses attendance:

- 1- Intensive course of Perio and Implants equal Esthetics given by Prof. Giulio Rasperini from 17-18 November 2009. Cairo, Egypt.
- 2- The second international Dental Conference of Cairo University 24-26 March 2010. Cairo, Egypt.
- 3- The 15th International Dental Congress 26-28 October 2011. Cairo, Egypt.
- 4- The 3rd International Dental Conference of Cairo University 22-25 January 2013. Egypt.
- 5- The 16th International Dental Congress 5- 8 November 2013. Cairo, Egypt.
- 6- Deutscher Zahnärztag . Congress Center Messe Frankfurt am Main 6-7 November 2015. Frankfurt, Germany.
- 7- Frankfurter Implantologie Tag. Sheraton Frankfurt Airport hotel 12 March 2016. Frankfurt, Germany.

- 8- 17. Experten Symposium, Innovationen Implantologie. 29- 30 April 2016. Marburg CongressZentrum. Marburg, Germany.
- 9- Bone Regeneration 2016 Meet the Experts. Sheraton Frankfurt Airport Hotel and Conference Center 24. 09. 2016.
- 10- Bone Ring Congress and workshop. Radisson Blu Hotel Frankfurt 3-4 February 2017.
- 11- 18th International Dental congress. Intercontinental,, Cairo 22-24 November 2017
- 12- Stars meeting. Green Plaza, Alexandria, Egypt. 28-30 March 2018.
- 13- European Federation of periodontology (Europerio 9), Amsterdam, June 20-23 2018.
- 14- Advanced oral implantology from medical to digital know how. 1-3 July 2021.
- 15- Egyptian dental syndicate international congress EDSIC2021, 1-3 September 2021.
- 16- Egy Health dental conference. 7-9 September 2021.
- 17- One Day academy first annual symposium. Digital workflow in implantology. 30 December 2021.

Research experience:

1. Histomorphometric and immunohistochemical analysis
2. Stem cell culture
3. Western Blot
4. Polymerase Chain Reaction (PCR).