

Curriculum Vitae Mr. Mostafa Aldesoki

2004 – 2009	BSc in Oral and Dental Medicine, Ainshams University, Egypt
2013 – 2018	MSc in Fixed Prosthodontics, Ainshams University, Egypt
Since June 2019	Scholarship holder, Research Grants - Doctoral Programmes in Germany, Deutscher Akademischer Austauschdienst (DAAD)
Since Oct 2019	PhD/MD Student, Oral Technology, University of Bonn, Germany
Since Jan 2020	Graduate student, Bonn International Graduate School (BIGS) for Clinical and Population Science, University of Bonn, Germany

Current Research Areas

Finite Element Analysis and In-Vitro Assessment of Multi-Rooted Custom Implants.

- Experimental and numerical methods to investigate the biomechanical behavior of dental implants.
- Finite element analysis (FEA) of root analogue implants (RAI) and threaded implants.
- Dimensional accuracy of RAIs manufactured by additive and subtractive technologies.
- 3D printing in the dental field.
- Load/deflection curves of RAIs and threaded implants.

Material science

- Flexural strength of 3D printed and milled Zirconia and Titanium.
 - Precision and trueness of Zirconia and Titanium RAIs.
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Publications

- AboelFadl A., Aldesoki M. Influence of endocrown pulpal extension on stress distribution in endodontically treated maxillary premolars: a three-dimensional finite element analysis. *Egy Den J* 2017; 63:1943-1953