Curriculum Vitae

Personal Information

**Name**: Rayan Mohammed Alqahtani

**Nationality:** Saudi

**Place/Date of Birth:** Riyadh/October 26, 1986

**Marital Status:** Single

**Current Position:** Assistant Professor in Oral Biology in King Saud University, College of Dentistry.

Contact Information

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Education

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| Aug 26, 2013 – Dec 15, 2018 | **Doctor of Philosophy in Oral Biology GPA: 3.61 / 4** |
| July 13, 2010 - July 01, 2011  | **Internship Training Program** |
| December 15, 2010 | **Passing the Saudi License Exam - Score 78%** |
| 2004 - 2010 | **Bachelor Degree of Dental Surgery - GPA: 3.89 / 5** |
| 2003 | **Al-Tawhid High School: 98.33%** |

Teaching and Training

- Worked as a Demonstrator in Oral Biology in the College of Dentistry - King Saud University, 2011-2013:

- Arranging and giving lectures within the Oral Biology course.

- Assisting and supervising undergraduate students in Oral Biology and Oral Pathology laboratory sessions.

- Laboratory instructor in the Pre-Clinical Fixed Prosthodontics Course.

- Clinical instructor in the Clinical Fixed Prosthodontics Course.

- Clinical instructor in the Clinical Operative Dentistry Course.

**During Internship 2010-2011:**

- Four months of training as an intern in the College of Dentistry - King Saud University.

- Four months of training as an intern in King Saud Medical Complex in Primary Care and Prosthodontics Clinics.

- Four months of training as an intern in National Guard Health Affairs in Primary Care and Prosthodontics Clinics.

**During Ph.D. 2013-2018:**

- Teaching head and neck anatomy for 1 year - 2015.

- Writing grants for NIH funding.

- Wet lab management in Dr. Charles Sfeir lab in the University of Pittsburgh.

**Currently:**

- Treating Dental patients in King Saud University Dental Hospital.

- Giving lectures to undergraduate students in Oral Biology and Research.

- Arranging and giving lectures to Saudi board Students.

- Working in Prince Naif Molecular and Cell Biology lab.

- Assisting in Oral Medicine, Oral Pathology and Oral Surgery courses.

Language

- Arabic as a native language.

- English: TOEFL Score: 95 out of 120.

 Reading: 20, Listening: 27, Speaking: 23 and Writing: 25.

Skills

- Dental patient management and clinical treatment.

- Molecular biology and wet lab techniques:

\*Reverse transcription polymerase chain reaction (RT-PCR).

\*Western blotting.

\*Cell culture techniques.

\*Histological processing of samples, Immuno-fluorescent staining (IF) and Immunohistochemistry (IHC).

\*Flow cytometry.

- Good computer skills: Word, PowerPoint, Excel, Endnote, and Graph Prism.

- Good communication skills.

- High capability of learning.

Membership

- Member of the Saudi Dental Society from 2009 up to date.

- Member of the International Association of Dental Research.

Courses

- Basic and Advanced Cardiac Life Support 2010 - 2020.

- Scientific Ethics and the Responsible Conduct of Research - 2014.

Dental Conferences and Continuing Education

Attendance of:

- King Saud University 13th International Dental Conference and the 21st for the Saudi Dental Society.

- Saudi Dental Society 22nd International Dental Conference - organizer.

- Saudi Dental Society 23rd International Dental Conference - organizer.

- Riyadh 5th International Dental Meeting.

- Saudi International Dental Conference 2020.

Poster Presentation:

- McGowan institute for regenerative medicine retreat 2017.

Extracurricular Activities

- Member of the organizing committee for:

The Saudi Dental Society 21st, 22nd and 23rd International Dental Conferences for the years 2010, 2011 and 2012.

- Participation in King Abdullah National Campaign to educate 1 million child about Oral Health.

- Member of the Center of Craniofacial Regeneration in the University of Pittsburgh 2013-2018.

Research and Publications:

Internship Training Program research: Comparative evaluation of shear bond strength between fourth, fifth and seventh generation bonding agents – An *in vitro* study.

Alqahtani Q, Zaky SH, Patil A, Beniash E, Ray H, Sfeir C. 2018. Decellularized swine dental pulp tissue for regenerative root canal therapy. J Dent Res.22034518785124

Zaky, SH, Alqahtani Q, Chen J, Patil A, Taboas J, Beniash E, Ray H, Sfeir C. 2020. Effect of the Periapical “Inflammatory Plug” on Dental Pulp Regeneration: A Histologic In Vivo Study. Journal of Endodontics, Volume 46, Issue 1, 51 – 56

**Submitted articles for review and publication:**

Quality of Life among Primary Hypothyroidism in Out-patients in Tertiary Hospitals in Saudi Arabia – 2020.

Decellularized dental pulp extracellular matrix effect on dental cells and macrophage response – 2020.