

## SAKHER ALQAHTANI

### SKILLS & ABILITIES

Pediatric Dentistry  
Forensic Odontology  
Research  
Languages: Arabic, English

### EXPERIENCE

**Organized and gave the first forensic odontology workshop in Saudi Arabia during the 2<sup>nd</sup> Saudi international conference of forensic medicine and sciences**

2017

**Member of the forensic odontology steering group in the INTERPOL**

2015 – NOW

**Co-founder and Deputy Chair of the Forensic Odontologists for Human Rights group**

2015 – NOW

**Representative of the Saudi dental society and the Saudi Standards, Metrology and Quality Organisation in the International standards organization (ISO)**

2015 – NOW

**Vice President of the Arab association for Forensic Odontologists**

2014 – NOW

**Consultant in Pediatric Dentistry and head of division**

2015 – NOW

**assistant professor and the head of the Forensic Odontology Unit, King Saud University, Saudi Arabia**

2012 – NOW

**Established the Clinical Forensic Odontology Unit at College of Dentistry, King Saud University**

**Course director for the first clinical course in undergraduate Pediatric Dentistry program**

**Clinical supervisor for undergraduate, postgraduate and Pediatric Dentistry Board students**

**Teaching Forensic Odontology and an expert in dental age estimation worldwide**

## **PHD STUDENT**

2008 – 2012

Developed a new age estimation method using Dental Development (The Atlas of Tooth Development and Eruption). It has been translated into 18 languages. The Atlas is being taught in Dental, Forensic and Anthropology programs around the world and is adopted by Forensic Societies on a global level.

[www.atlas.dentistry.qmul.ac.uk](http://www.atlas.dentistry.qmul.ac.uk)

## **COMMITTEES:**

- American Dental Association: Dental Age Estimation Standards committee. (Member)
- Technical committee ISO/TC 272 "Forensic Sciences" in liaison with ISO/TC 106/SC 3. (International Standards Organization) (Member)
- Undergraduate Pediatric Dentistry curriculum revision committee (Head)
- Rules for Pediatric Patient referral system within the dental hospital (Head)
- Special Needs Clinics: Layout and Design of the Clinics' team (Member)
- Evaluation of the annual report of Pediatric Dentistry and Orthodontics Department's faculty (Member)
- Pediatric Dentistry Postgraduate program committee (Member)
- Postgraduate Pediatric Dentistry program revision (Member)
- Evaluation of Postgraduate Applicants for the Pediatric Dentistry program (Member)
- Evaluation of Demonstrator Applicants in Pediatric Dentistry and Orthodontic Department (Member)

## **THESIS SUPERVISION**

- King Saud University (Co-supervisor. Doctorate Student: Fellwa AlRasheed)

Thesis title: Innovating a new method for human identification through prosthetic crowns.

- University of Illinois at Chicago (Co-supervisor. Masters student: David McCloe)

Thesis title: Dental age: Are we different? Testing the London Atlas on the Hispanic children of Chicago

- King Saud University (Masters Student: Dara AlSudairy)

Thesis title: Accuracy of Age Estimation in Saudi Children by Measurement of Open Apices in Teeth and The London Atlas

**10th International Course in Forensic Odontology**

Personal Identification by Dental Methods, Oslo, Norway

**Intensive 40 hour hands on workshop covering:**

- **Principles of comparative identification:**
  - Theoretical aspects
  - The INTERPOL forms
  - Practical work in the mortuary (Institute of Forensic Medicine)
  - Obtaining post-mortem dental status of a dead person
  - Retrieving relevant information from dental records
  - Comparison of ante- and post-mortem data
  - Evaluation of similarities and differences
  - Formulation of conclusions and summarizing comparable details
- **Principles of reconstructive identification:**
  - Estimation of age, sex, height, race, habits, social status, occupation, etc.
  - Theoretical aspects
  - Practical training
  - Contribution to the announcement for a missing person
- **Mass disasters**
  - Theoretical aspects
  - The DVI team
  - Computer programs:
    - DVI System International
  - MOCK ACCIDENT

**Diploma course in Forensic Human Identification**

Given by The Academy of Forensic Medical Sciences, London, UK. 31 hours of lectures, covering a broad range of subjects, including:

- Legal and human rights issues in identification
- identification of the body at different stages of decay
- victim Identification from crime scene investigation
- forensic odontology
- forensic osteology
- investigation of clandestine graves
- craniofacial identification
- DNA analysis including the human genome/molecular biology techniques and tool used in human identification
- identification from prints
- emergency planning and victim identification in mass disasters, psychological profiling, voice recognition

## PHD

Thesis title: The London Atlas: developing an atlas of tooth development and testing its quality and performance measures

Queen Mary University of London, London, United Kingdom

## MASTERS IN CLINICAL PEDIATRIC DENTISTRY (MCLinDent)

Two years covering Pediatric Dentistry clinical training and a masters thesis

Queen Mary University of London, London, United Kingdom

## MPHILL

One year research post in Public Health

University of Liverpool, Liverpool, United Kingdom

## BDS

Bachelor in Dental Surgery, College of Dentistry, King Saud University

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## PUBLICATIONS

- AlQahtani, S., AlShahrani, Y., AlQahtani, A.. *Reality Of Forensic Odontology In Saudi Arabia*. Revista Brasileira de Odontologia Legal. 2017. 4 (2).
- AlQahtani, S.. *Forensic Odontology and Human Rights: Establishing The Identity*. Conference Paper. 2nd Saudi International Conference of Forensic Medicine and Science, Riyadh, Saudi Arabia. 2017
- AlQahtani, S., Nuzzolese, E., Adserias, J.. *The Accuracy of the London Atlas of Human Tooth Development and Eruption in Dental Age Estimations of Saudi, Spanish, and Italian Children*. Conference Paper. Annual Scientific meeting of the American Academy of Forensic Science, New Orleans, USA. Volume: 69<sup>th</sup>. 2017.
- Nuzzolese, E., AlQahtani, S., Adserias, J.. *The Strengths and Weaknesses of Missing Persons Apps for Smartphones: A Forensic Expert's Perspective*. Conference Paper Annual Scientific meeting of the American Academy of Forensic Science, New Orleans, USA. Volume: 69<sup>th</sup>. 2017.
- AlQahtani, S., Kawthar, A., AlAraik, A., AlShalan, A.. *Third Molar Cut-off Value in Assessing the Legal Age of 18 in Saudi Population*. Forensic science international 272. 2017.
- AlQahtani, S., Cimrmanci, M.. *Standards of Dental Developmental Stages*. Conference Paper. Annual Scientific meeting of the American Academy of Forensic Science. Las Vegas, USA. Volume: 68<sup>th</sup>. 2016
- Nuzzolese, E., AlQahtani, S., Adserias, J.. *A Biometric Identification System and Border Control: A Proposal for the Integration of Digital Orthopantomograms (OPGs) and Odontogram Data of Migrants*. Conference Paper. Annual Scientific meeting of the American Academy of Forensic Science. Las Vegas, USA. Volume: 68<sup>th</sup>. 2016

- Alkahtani, T., Aljerian, K., Golding, B., AlQahtani, S.. *Forensic Science in the Context of Islamic Law: a review*. Journal of Forensic and Legal Medicine. 34 · May 2015.
- Aljerian, K., Alhawas, A., AlQahtani, S., Golding, B., Alkahtani, T.. *First virtual autopsy in Saudi Arabia: A case report with literature review*. Journal of Forensic Radiology and Imaging, 2014.
- AlQahtani, S.J., M.P. Hector, and H.M. Liversidge, *Accuracy of dental age estimation charts: Schour and Massler, Ubelaker and the London Atlas*. American Journal of Physical Anthropology, 2014. 154(1): p. 70-78.
- AlQahtani, S., *Dental age assessment, in Forensic Odontology: An Essential Guide*, C. Adams, R. Carabott, and S. Evans, Editors. 2014, Wiley-Blackwell: London.
- Nuzzolese, E., Manica, S., Cukovic-Bagic, I., Rosi, J., AlQahtani, S.J. and Untoro, E., *Under the lens: dental expert witnesses in Brazil, Croatia, UK, Saudi Arabia, Indonesia and Italy*. The Journal of forensic odonto-stomatology 10/2013; 31 Suppl 1:160.
- Liversidge, H.M., AlQahtani, S.J. and Hector, M.P., *A new approach to measure performance of dental age estimation methods*. The Journal of forensic odonto-stomatology 10/2013; 31 Suppl 1:76.
- Liversidge, H.M., AlQahtani, S.J. and Hector, M.P., *The London atlas of tooth Development: A step forward*. The Journal of forensic odonto-stomatology 10/2013; 31 Suppl 1:76.
- AlQahtani, S.J., M.P. Hector, and H.M. Liversidge, *Brief communication: The London atlas of human tooth development and eruption*. American Journal of Physical Anthropology, 2010. 142(3): p. 481-490.