

Curriculum Vitae

PERSONAL DETAILS

<i>Name</i>	<i>Kausar Sadia Fakhruddin</i>
<i>Academic Status</i>	<i>Lecturer, Pediatric Dentistry, University of Sharjah</i> <i>Senior Adjunct Lecturer, University of Western Australia, Perth, Australia</i>
<i>Department</i>	<i>Preventive and Restorative Dentistry</i>
<i>Faculty</i>	<i>College of Dental Medicine</i>
<i>University</i>	<i>University of Sharjah</i>
<i>E. mail</i>	<i>kfakhruddin@sharjah.ac.ae</i>

QUALIFICATIONS

PhD, MSc, BDS, MRCSDO

Research Scholar, Tohoku University, Japan (2017-To date)

International Collaborative Research

Co-investigator in collaborative research between University of Sharjah -UAE and Thammasat University -Thailand: Fungal burden in advanced cavitated caries lesions in Early Childhood Caries: A comparative study of Thai and Emirati Children

Professional Registration

Ministry of Health, U.A.E - '**Specialist Pediatric Dentist' License # (D42288)**

AWARDS

<i>Award</i>	<i>Awarding Body</i>	<i>Country</i>	<i>Date</i>
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CIHR Competitive Research Award Dental Trauma in Children (CIHR funded) Canadian Institute of Health Research, Ministry of Health, Ontario, Canada Canada 23.10.2003

Faculty of Dentistry and Sick Kids Hospital, University of Toronto, Canada.

Harron's Scholar University of Toronto Canada 12.08.2004

Membership in Scientific Societies

American Association of Pediatric Dentistry

Canadian Association of Pediatric Dentistry

Special Care Dentistry Association, USA

International Association of Dental Traumatology, USA

International Dental Association of Research (IADR)

Editorial Board membership

Editorial Board member -International Dental Journal, Official Journal of FDI World Dental Federation

Sectional Editor -European Journal of Dentistry, (Sept' 2016-to date).

Reviewer for Scientific Journals

Sectional reviewer-PLOS ONE

Sectional reviewer: Special Care in Dentistry

Reviewer-International Dental Journal

Reviewer- Cell

Expert reviewer (Dental section)- Australasian Medical Journal

Reviewer- BMC Journals

Reviewer- Access Microbiology

Reviewer- European Archives of Paediatric Dentistry

Reviewer- European Association of Pediatric Dentistry

Reviewer- Biomed Informatics

Reviewer- Journal of Investigative and Clinical Dentistry

Reviewer- Journal of International Society of Preventive and Community Dentistry

Reviewer- Oral Diseases

Reviewer- American Academy of Pediatric Dentistry (Journal)

Work Experience

Full-time lecturer - University of Sharjah, Department of Preventive and Restorative Dentistry (February 2007 - present).

- Clinical, laboratory and theoretical teaching of undergraduates in Pediatric Dentistry.
- Clinical supervision at the 'Internship program -MDC'.
- Clinical treatment for Special Needs Pediatric patients.

Facilitator for undergraduate Case-based Learning (CBL)
University of Toronto, Canada.
(January 2005- March 2006).

Stream Coordinator:

Dental Clinical Practice 5B (Pediatrics, Orthodontics, Community Dentistry, and Ethics)

Dental Clinical Practice 1

Team-based Learning:

Preparation of Case Scenarios and arrangements of Resource (research) materials

Preparation of questions for individual and team readiness assessments

Case Discussion and Assessment of Student Case Presentations

Co-Supervision of Students for collaborative research:

Co-Supervision of student Haiat A, University of Western Australia, Perth, Australia

Co-Supervision of student Alice A, University of Milan, Italy

Co-Supervision of student Nobert S, Polish University, Poland

Co-Supervision of Student Shayma B, University of Sharjah, UAE

Accreditation Canada- University Dental Hospital Sharjah

- Preparation of Clinical Practice Guidelines for "Minimal Sedation" of University Dental Hospital Sharjah.
- Preparation of Clinical Practice Guidelines -Mobile Dental Clinic- UoS, of University Dental Hospital Sharjah.
- Preparation of Pre-Sedation Patient Record Form -axiUm

- Preparation of Intra-Sedation Patient Record Form -axiUm
- Preparation of Post-Sedation Patient Record Form -axiUm
- Preparation of Pre and Post Sedation Patient Instruction and Care Instructions

College of Dental Medicine -CAA and Australian Dental Council (ADCI) Accreditation

- Preparation of documents demonstrating integrated Evidence-based Dentistry in the BDS Curriculum
- Preparation of documents demonstrating Community-outreach services and student placement during community visits via Mobile Dental Clinics

Mobile Dental Clinic-University of Sharjah (2016- To date)

- A. Prepared Operational Plans
- B. Prepared Annual Reports
- C. Prepared Standard Operating Procedure Manual
- D. Prepared Forms for Patient (Adults, Pediatrics, and Special Needs) Screening and Oral Health and Treatment Records for Patient Health Information System -axiUm
- E. Coordinated BDS 5 students placement student in the Community out-reach placement

MDS Program -Pediatrics Postgraduate

- A. Preparation of curriculum for Pre-Clinical Labs (Pre-clinical exercises manual)
- B. Preparation of Module of Pediatric Dental Development

College of Dental Medicine website committee (member)

-Coordinate all Teaching clinic axiUm issues with the IT support teams

RESEARCH INTEREST

Dental Trauma management, Early Childhood Caries, Oral health behaviors, special need and pediatric dental Care

Research Publications:

1. **Fakhruddin KS**, Lawrence HP, Kenny DJ, Locker D. Frequency and use of mouthguards among 12-14 year-old Canadian schoolchildren, *Journal Canadian Dental Association*, 2007, 73: 505-511.
2. **Fakhruddin KS**, Lawrence HP, Kenny DJ, Locker D. Etiology and environment of dental injuries in 12-14 year-old Canadian schoolchildren. *Dental Traumatology*, 2008; 24: 305–308.
3. **Fakhruddin KS**, Lawrence HP, Kenny DJ, Locker D. Impact of treated and untreated dental injuries on the quality of life of Canadian schoolchildren. *Dental Traumatology*, 2008; 25: 309–313.
4. **Fakhruddin KS**, Al Kawas S. Prevalence and etiological factors related to dental injuries amongst 18-22-year-olds in United Arab Emirates. *Dent Traumatology*, 2010; 26(5): 388-392.
5. **Fakhruddin KS**, Salman Basheer. Combination technique using conscious sedation and dental laser as an alternative to general anesthesia for endodontic procedure on an ADHD co-morbid epileptic patient. *Int J Dent Case Reports* 2012; 2(4):18-22.
6. Hatem El Damanhoury, **Fakhruddin KS**, Awad MA. Effectiveness of teaching International Caries Detection and Assessment System II and its e-learning program to freshman dental students on occlusal caries detection. *European Journal of Dentistry*, 2014;8:493-7.
7. Abdulla N, **Fakhruddin KS**, Shamsuddin AbR. Congenital Insensitivity to pain without Anhidrosis: Oro-Dental Problems and management. A CASE REPORT. *Case Reports in Dentistry*, 2015.
8. **Fakhruddin KS**, El Batawi H, Görduysus MO. Effectiveness of audiovisual distraction eyewear and computerized delivery of anesthesia during pulp therapy of primary molars in phobic child patients. *European Journal of Dentistry*, 2015; 9(4); 470-5.
9. **Fakhruddin KS**, Görduysus MO, El Batawi H. Effectiveness of behavioral modification techniques with visual distraction using intra-sulcular local anesthesia in hearing disabled children during pulp therapy. *European Journal of Dentistry*, 2016; 10(4); 471-6.
10. **Fakhruddin KS**, El Batawi H. Effectiveness of audio-visual distraction on behavior modification during dental caries assessment and sealant placement in children with autism spectrum disorder. *Dental Research Journal*, 2017; 14 (3); 87-91.
11. **Fakhruddin KS**, El Batawi H, Görduysus MO. Effectiveness of audiovisual distraction with computerized delivery of anesthesia during placement of stainless steel crowns in children with Down syndrome, *European Journal of Dentistry*, 2017; 11(1); 1-6.

12. El Batawi H, **Fakhruddin KS**. Patterns of dental caries among school children assessed using Caries Assessment Spectrum and Treatment (CAST) tool. *European Journal of Dentistry*, 2017; 11(2); 16-21.
13. El Batawi H, **Fakhruddin KS**. Impact of preventive care orientation on caries status among pre-school children. *European Journal of Dentistry*, 2017; 11(4); 18-23.
14. **Fakhruddin KS**, El Batawi H, Hatem El Damanhoury. Behavioral management using sequenced treatment paradigm and audiovisual distraction during dental treatment in children with attention deficit/hyperactivity disorder. *European Journal of Dentistry*; 12 (2); April-June 2018
15. **Fakhruddin KS**, Ngo HC, Samaranayake LP. Cariogenic microbiome and microbiota of the early primary dentition: a contemporary overview. *Oral Diseases*; 2019 May, 25(4):982-995.
16. **Fakhruddin KS**, Samaranayake LP, Egusa H, Ngo H, Panduwawala C. Venkatachalam T, Siripen P. Candidal mycobiota from severe early childhood caries (S-ECC) exhibit potent cariogenic virulence traits. *J Oral Microbiology*, 2020; 12(1): 1724484
17. **Fakhruddin KS**, Samaranayake LP, Egusa H, Ngo H, Panduwawala C, Venkatachalam T, Siripen P. Silver diamine fluoride (SDF) used in childhood caries management has potent antifungal activity against oral *Candida* species. *BMC Microbiology*, 2020; 20:95
18. **Fakhruddin KS**, Samaranayake LP, Egusa H, Ngo H, Panduwawala C. Clinical efficacy, and the antimicrobial potential of silver formulations in arresting dental caries: a systematic review. *BMC Oral Health*, 2020; 20:160
19. Samaranayake LP, **Fakhruddin KS**, Panduwawala C. Loss of taste and smell. *British Dental Journal* 2020, 228 (11), 813.
20. Samaranayake LP, **Fakhruddin KS**, Panduwawala C. Sudden Onset, Acute Loss of Taste and Smell in Coronavirus Disease 2019 (COVID-19): A Systematic Review. *Acta Odontologica Scandinavica* 2020; 1-8.
21. Samaranayake LP, **Fakhruddin KS**, HC Ngo, JWW Chang, C Panduwawala. The effectiveness and efficacy of respiratory protective equipment (RPE) in dentistry and other health care settings: a systematic review. *Acta Odontologica Scandinavica* 2020; 1-14.
22. **Fakhruddin KS**, H. C. Ngo & L. Samaranayake. Pandemic Paediatrics. *British Dental Journal* volume 229, page325 (2020).

23. Samaranayake, LP; **Fakhruddin KS**, Buranawat B, Panduwawala C. The Efficacy of Bio-aerosol Reducing Procedures Used in Dentistry: A Systematic Review. *Acta Odontologica Scandinavica*, 2020; 79(1):69-80.
24. Samaranayake, LP; **Fakhruddin KS**, Nihal Bandara. Chemosensory Dysfunction in Coronavirus Disease 2019 (COVID-19). *Dental Updates (COVID-19 Commentary)* 2020; 1-3.
25. Samaranayake, L., **Fakhruddin, KS**. Covid-19 vaccines and dentistry. *Dental Update*, 2021, 48(1), pp. 76–81.
26. Samaranayake, L.P., **Fakhruddin, KS.**, Mohammad, O.E., Bandara, N., Ngo, H.C. Attributes of dysgeusia and anosmia of coronavirus disease 2019 (COVID-19) in hospitalized patients, *Oral Diseases*, 2020.
27. Samaranayake, LP, **Fakhruddin, K.S.** SARS-CoV-2 variants and COVID-19: An overview, *Dental Update* 2021, 48(3), pp. 235–238.
28. Samaranayake LP, **Fakhruddin KS**, Bandara N. Oral Manifestations of Coronavirus Disease 2019 (COVID-19): An Overview, *Dental Update* 2021.
29. Samaranayake LP, Seneviratne J, **Fakhruddin KS**. Coronavirus Disease 2019 (COVID-19) vaccines: A Concise Review. *Oral Diseases*, 2021; ODI-02-21-IMR-9523.
30. Haiat A, Ngo HC, Samaranayake LP, **Fakhruddin KS**. The Effect of the Combined Use of Silver Diamine Fluoride and Potassium Iodide in Disrupting the Plaque Biofilm Microbiome and Alleviating Tooth Discoloration: A Systematic Review. *PLOS ONE*, PONE-D-21-05217, 2021.
31. **Fakhruddin KS**, Samaranayake LP, Egusa H, Ngo HC. Diversity and Acidogenicity Of *Candida* Species in deep carious lesions of Severe Early Childhood Caries (S-ECC). *Journal of Oral Microbiology*; 2021.
32. Samaranayake, L., **Fakhruddin, K.S.**, Bandara, N. Oral manifestations of coronavirus disease 2019 (COVID-19): An overview. *Dental Update*, 2021, 48(5), pp. 418–422
33. **Fakhruddin K.S.**, Samaranayake, L.P., Buranawat, B., Ngo, H. Oro-facial Mucocutaneous Manifestations of Coronavirus Disease-2019 (COVID-19): A Systematic Review. *PLoS ONE*, 2022

34. Samaranayake, L.P., **Fakhruddin, K.S.**, Mohammad, O.E., ...Bandara, N., Ngo, H.C. Attributes of dysgeusia and anosmia of coronavirus disease 2019 (COVID-19) in hospitalized patients. *Oral Diseases*, 2022, 28(S1), pp. 891–898.
35. Samaranayake, L.P., **Fakhruddin, K.S.**, Ngo, H.C., Bandara, HMNM, Leung, Y.Y. Orofacial Mycoses in Coronavirus Disease-2019 (COVID-19): A Systematic Review. *International Dental Journal*, 2022.
36. **Fakhruddin, K.S.**, Samaranayake, L.P., Hamoudi, R.A., Ngo, H.C., Egusa, H. Diversity of site-specific microbes of occlusal and proximal lesions in severe- early childhood caries (S-ECC). *Journal of Oral Microbiology*, 2022, 14(1), 2037832.
37. **Fakhruddin, K.S.**, Haiat, A., Ngo, H.C., ...Chang, J.W.W., Samaranayake, L.P. Severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2) viral positivity and their burden in saliva of asymptomatic carriers—a systematic review and meta-analysis. *Acta Odontologica Scandinavica*, 2022, 80(3), pp. 182–190.
38. Samaranayake, L., **Fakhruddin, K.S.** Pandemics past, present, and future: Their impact on oral health care. *Journal of the American Dental Association*, 2021, 152(12), pp. 972–980.
39. Alberti, A., Corbella, S., Taschieri, S., ...**Fakhruddin, K.S.**, Samaranayake, L.P. Fungal species in endodontic infections: A systematic review and meta-analysis. *PLoS ONE*, 2021, 16(7 July), e0255003.
40. Bahloul, S.W., **Fakhruddin, K.S.**, Hegazy, F.A. Effectiveness of cervical spine manual therapy in the management. of temporomandibular joint disorders: A systematic review. 2022 *Advances in Biomedical and Health Sciences*.
41. Khalifa N, Samaranayake LP, **Fakhruddin KS**. Dental Pedagogy in the `New Normal` COVID-19 Era: A Transition Template of Teaching Protocols. *BMC Medical Education* 2022;22(1):794.
42. Samaranayake LP, **Fakhruddin KS**. Epidemics, Pandemics and Dentistry: A Commentary. *Dental Updates*; May issue, 2023.
43. Matsubara VH, **Fakhruddin KS**, Ngo H, Samaranayake LP. Probiotic Bifidobacteria in Managing Periodontal Disease: A Systematic Review *International Dental Journal* 2023;73(1):11-20.

44. Navaratne G, **Fakhruddin KS**, Samaranayake LP, Shorbagi A. Gut microbiota- the neuro-immune crosstalk, and Neuropathic pain: A Systematic Scoping Review. Gut Microbiome 2023; Volume 5.

Clinical courses/workshop and Conference presentation:

-Two days, Hands-on training for the Management of Dental Emergencies in Dental Practice (Code Blue) for Academic and Administrative Staff of the University Dental Hospital Sharjah, March 08-09, 2023.

- Medical Emergencies in Dental Practice, 2010, University of Toronto, Canada.

- BLS, PALS, ACLS certified courses, 2010, American Heart Association.

- Inhalation sedation using Nitrous oxide/oxygen course, 2009, Dubai Health care.

- Clinical course on conventional and advanced techniques in Pediatric Endodontics, 2009, Dubai Health care.

- Laser Dentistry workshop, 2011, Centre of clinical, surgical training, University of Sharjah.

- Research Poster presented in FDI Congress, Dubai, 2007.

- Oral Poster presentation in AEEDC Dubai, 2008.

- Research poster presented in FDI Congress, Turkey, 2009 and won **3rd** place in the research poster competition.

- Research poster presented in Special Care Dentistry Association Conference, Atlanta, USA, 2012.

- Oral Poster presentation in AEEDC Dubai, 2010.

- Research poster presentation in AEEDC Dubai, 2011.

- Oral Poster presented in AEEDC Dubai, 2013 and Emirates Medical Association and University of Sharjah conference, Sharjah, 2013.

- Oral Poster presented in Asia Pacific Dental Congress, Dubai, 2014.

- Research Oral poster presented in AEEDC Dubai, 2015.

- Research poster presented in AEEDC Dubai, 2016.

- Research poster presented in AEEDC Dubai, 2017, nominated for *Poster Competition Award*, 2017.

-Research poster presented in AEEDC Dubai, 2019, nominated for *Poster Competition Award*, 2019

Oral Health Education and Promotion Articles:

- **Medium article** – Environmental Tobacco Smoke and Dental Caries in Pre-school Children
- **Sharjah 24 Website Article** -HALITOSIS OR BAD BREATH IN CHILDREN -Causes and Care
- **Sharjah 24 website;** 2 March 2020 (published). Asperger's Syndrome – An Autism Spectrum Disorder
- **Sharjah24 website;** 22 May 2020. Childhood Disintegrative Disorder – An Autism Spectrum Disorder
- **Sharjah24 website;** 29 April 2020. Oral Care for children with Attention Deficit Hyperactivity Disorder- ADHD
- **Sharjah24 website;** 22 October 2018. Your Child's visit to a Dentist
- **Sharjah24 website;** 11 November 2018. Baby teeth injuries
- **Sharjah24 website;** 28 November 2018. Permanent teeth injuries in children
- **Sharjah24 website;** 15 January 2019. Management of an avulsed tooth in children
- **Sharjah24 website;** 6 March 2019. Dental Care for children with Down Syndrome
- **Sharjah24 website;** 11 March 2019. Low salivary flow and Dental problems
- **Sharjah24 website;** 7 April 2019. Dental Care for children with Type-I Diabetes
- **Sharjah24 website;** 15 April 2019. Dental Care for children with Cerebral Palsy
- **Sharjah24 website;** 21 April 2019. Dental Care for wheelchair bound children
- **Sharjah 24 website;** Is it fine to use "food" as a reward for good behavior and Learning? 2018
- **Sharjah 24 website;** Please don't encourage your child to be snack smart? or be choosy!, 2017
- **Sharjah 24 website;** Snack Smart Food List, 2017
- **Sharjah 24 website;** Milk and health of baby's teeth- *facts and tips*, 2017.
- **Sharjah 24 website;** Medicine and baby's oral health, 2017.
- **Sharjah 24 website;** Nursing bottle and health of baby's teeth, 2016.
- **Sharjah 24 website;** Do you know you can transfer caries to your babies? 2016.
- **Sharjah 24 website;** Your baby and dentition, 2017.
- **Sharjah 24 website;** Tips for oral hygiene for your baby's teeth, 2016.
- **Sharjah 24 website;** Brushing steps for baby's teeth-*Tips*, 2017.
- **Sharjah 24 website;** Selection of toothpaste and toothbrush for your baby, 2017.
- **Sharjah 24 website;** Healthy eating habits in children, 2016.
- **Sharjah 24 website;** Identifying Autism and oral Care, 2016.
- **Sharjah 24 website;** Oral care tips for children with Asperger Disorder, 2016.
- **Sharjah 24 website;** Children with Pervasive developmental disorder not otherwise specified PDD-NOS and oral Care, 2016.
- **Sharjah 24 website;** Oral care tips for children with Attention deficit disorder, 2015.
- **Sharjah 24 website;** Children with Childhood Disintegrative Disorder CDD and oral care tips, 2016.
- **Al Ittihad- Daily News;** Reasons for preventive sealants on first permanent molars, 29 April, 2016.