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Vol 11, Issue 3



جامعة الإمام عبد الرحمن بن فيصل
IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY
كلية طب الأسنان | College of Dentistry

IAUDENT RESEARCH BULLETIN

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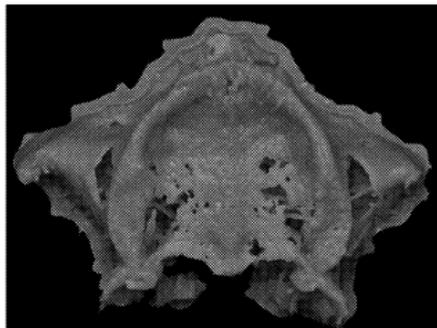
Congratulations

We congratulate Dr. Hamd Alrumaih for obtaining a patent from the US Patent and Trademark Office (USPTO).



US012011334B2

<p>(12) United States Patent Alrumaih</p> <p>(54) METHOD FOR TREATING A PATIENT WITH A TOOTH VACANCY</p> <p>(71) Applicant: Imam Abdulrahman Bin Faisal University, Dammam (SA)</p> <p>(72) Inventor: Hamad Saleh Hamad Alrumaih, Dammam (SA)</p> <p>(73) Assignee: Imam Abdulrahman Bin Faisal University, Dammam (SA)</p> <p>(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 297 days. This patent is subject to a terminal disclaimer.</p> <p>(21) Appl. No.: 17/699,634</p> <p>(22) Filed: Mar. 21, 2022</p> <p>(65) Prior Publication Data US 2022/0202542 A1 Jun. 30, 2022</p> <p>Related U.S. Application Data</p> <p>(62) Division of application No. 16/373,139, filed on Apr. 2, 2019, now Pat. No. 11,324,574.</p> <p>(51) Int. Cl. <i>A61C 8/00</i> (2006.01) <i>A61B 17/16</i> (2006.01) (Continued)</p> <p>(52) U.S. Cl. CPC <i>A61C 8/0092</i> (2013.01); <i>A61B 17/1688</i> (2013.01); <i>A61B 17/176</i> (2013.01); <i>A61B 17/1785</i> (2016.11); <i>A61B 17/24</i> (2013.01); <i>B33Y 50/00</i> (2014.12); <i>B33Y 80/00</i> (2014.12); <i>A61B 2017/00526</i> (2013.01); <i>A61B 2017/00743</i> (2013.01); <i>A61B 2017/00831</i> (2013.01); <i>A61B 17/1615</i> (2013.01); <i>A61B</i></p>	<p>(10) Patent No.: US 12,011,334 B2</p> <p>(45) Date of Patent: *Jun. 18, 2024</p> <p>2017/568 (2013.01); <i>A61B 2034/105</i> (2016.02); <i>A61B 2034/108</i> (2016.02); <i>A61C 1/084</i> (2013.01); <i>A61F 2/186</i> (2013.01); <i>A61F 2/4644</i> (2013.01)</p> <p>(58) Field of Classification Search CPC <i>A61C 8/88</i>; <i>A61C 8/0092</i>; <i>A61B 17/17</i>; <i>A61B 17/176</i>; <i>A61B 17/1785</i>; <i>A61B 17/24</i>; <i>A61B 17/16</i>; <i>B33Y 50/00</i>; <i>B33Y 80/00</i> See application file for complete search history.</p> <p>(56) References Cited U.S. PATENT DOCUMENTS 11,324,574 B2 * 5/2022 Alrumaih <i>A61C 8/0092</i> 2005/0021142 A1 1/2005 Ganz et al. (Continued) FOREIGN PATENT DOCUMENTS CN 105982747 A 10/2016 CN 107224335 A 10/2017 OTHER PUBLICATIONS M. Vehmeijer, et al., "A Novel Method of Orbital Floor Reconstruction Using Virtual Planning, 3-Dimensional Printing, and Autologous Bone" <i>Journal of Oral and Maxillofacial Surgery</i>, Mar. 2016, pp. 1-6. (Continued) <i>Primary Examiner</i> — Christopher J Beccia (74) <i>Attorney, Agent, or Firm</i> — Oblon, McClelland, Maier & Neustadt, L.L.P.</p> <p>(57) ABSTRACT An accurate and precise surgical guide for dental procedures, especially a procedure involving a subject with few or no teeth as well as methods for making and use of such guides.</p> <p>10 Claims, 4 Drawing Sheets</p>
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Congratulations to Prof. Khalid Almas, Prof. Abdul Samad Khan, Prof. Ahmad AlThobity, Dr. Mohammed Gad, and Dr. Ashraf Nazir for being named as one of the world's top 2% of scientists in a global list released by Stanford Univeristy.



Stanford

أ.د. خالد الماس
Prof. Khalid Almas

تفتخر الكلية باختيار الأستاذ الدكتور خالد الماس ضمن قائمة جامعة ستانفورد لأفضل 2% من علماء العالم في فئتي الإنجازات السنوية والمهنية.

Prof. Khalid Almas Being Named as One of the **World's Top 2% of Scientists** in a Global List, both annual and career achievements categories Released by Stanford University



Stanford

أ.د. عبدالصمد خان
Prof. Abdul Samad Khan

تفتخر الكلية باختيار الدكتور عبدالصمد خان ضمن قائمة جامعة ستانفورد لأفضل 2% من علماء العالم.

Dr. Abdul Samad Khan Being Named as One of the **World's Top 2% of Scientists** in a Global List Released by Stanford University



Stanford

د. أحمد الثبتي
Dr. Ahmad AlThobity

تفتخر الكلية باختيار الدكتور أحمد الثبتي ضمن قائمة جامعة ستانفورد لأفضل 2% من علماء العالم.

Dr. Ahmad AlThobity Being Named as One of the **World's Top 2% of Scientists** in a Global List Released by Stanford University



Elsevier Website

د. محمد جاد
Dr. Mohammed Gad

تفتخر الكلية باختيار الدكتور محمد جاد ضمن قائمة موقع Elsevier لأفضل 2% من علماء العالم

Dr. Mohammed Gad Being Named as One of the **World's Top 2% of Scientists** in a Global List Released by Elsevier Website



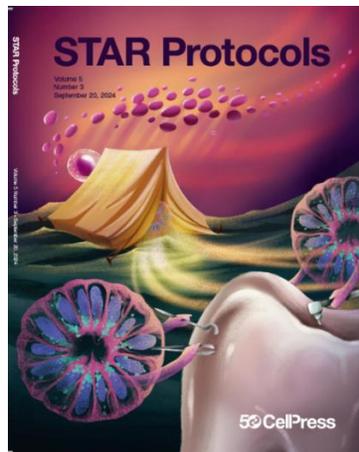
Stanford

د. أشرف نازير
Dr. Ashraf Nazir

تفتخر الكلية باختيار الدكتور أشرف نازير ضمن قائمة جامعة ستانفورد لأفضل 2% من علماء العالم.

Dr. Ashraf Nazir Being Named as One of the **World's Top 2% of Scientists** in a Global List Released by Stanford University

Congratulations to Dr. Ammar Alghadeer. STAR Protocols has selected the image from his published paper in the cover page.



Presentations

Dr. Fatima Al-Attiyah and Faisal Al-Haramleh presented a lecture entitled “Mastering Research Posters: Elevating Design and Presentation to the Next Level”, followed by a lecture by Dr. Maria Ibrahim entitled “How to Calculate your Sample Size” in the summer research program. The participants completed their training in the stem cell laboratory at the Institute for Medical Research and Consultation.



Student Research Club

CoD faculty Dr. Malik Faraj presented a lecture entitled “The Anatomy of a Research Seminar”.

DR. MALIK FARRAJ
BDS, MS, DMSc
DMSc in Oral Biology, Harvard University, Boston, USA
Fellowship in Geriatric Dentistry, Harvard University, Boston, USA
Advanced Specialty Education program in Restorative Dentistry, The University of Michigan, Ann Arbor, USA
Master of Science, The University of Michigan, Ann Arbor, USA

THE ANATOMY OF A RESEARCH PAPER

JOIN US !!!

Thursday
12 September, 2024

12:15 PM
12:45 PM

Class G-172 (C1038)
IAU Dental hospital

INDEXED FACULTY PUBLICATIONS

- 1 [Impact of different chemical denture cleansers on the properties of digitally fabricated denture base resin materials.](#)
Elrahim RAA, Shown A, Abdellah M, **Abualsaud R**, Helal MA.
J Prosthodont. 2024 Aug;33(7):691-699.
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- 2 [A crosstalk between 'osteocyte lacunal-canalicular system' and metabolism.](#)
Al-Suhaimi EA, Akhtar S, Al Hubail FA, Alhawaj H, Aljafary MA, **Alrumaih HS**, Daghestani A, Al-Buainain A, Lardhi A, Homeida AM.
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- 3 [Evaluation of the antimicrobial efficacy of different nonsteroidal anti-inflammatory drugs alone or in combination with calcium hydroxide intracanal medicament: an in vitro study.](#)
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- 7 [Assessing the knowledge and awareness of US oncologists regarding the specialty of oral medicine.](#)
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- 8 [A Novel Coated Suture Displays Antimicrobial Activity Without Compromising Structural Properties.](#)
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- 9 [SEQUEL: Prevalence of dental caries in Saudi Arabia: A systematic review and Meta-analysis.](#)
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- 10 [Prospectives and challenges of nano-tailored biomaterials-assisted biological molecules delivery for tissue engineering purposes.](#)
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- 20 [Enhancing Oral Health via the Sense of Coherence Approach Among Adult Patients at University Dental Hospital.](#)
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30. [Bond Strength of Nanocomposite Hard Liner to CAD-CAM Milled, 3D Printed, and Conventionally Fabricated Denture Base Resins.](#)
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Al-Ramadan A, Abualsaud R, Al-Dulaijan YA, Al-Thobity AM, Alalawi H.
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33. [The Effect of Different Beverages on the Color Stability of Nanocomposite 3D-Printed Denture Base Resins.](#)
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35. [Accessibility of Patients With Special Healthcare Needs to Dental Care in the Eastern Province of Saudi Arabia: A Multicentre Study From Perspective of Caregiver and Dental Care Providers.](#)
Ezzeldin T, **Algahtani M**, Alghannam NA, Alsafran FA, **Siddiqui IA**, Al-Ghanim HZ, Bader BM, Alshubat AA, Almarry AH, IbnAhmed HH, Kanakri SA.
Sci World J. 2024;2024(1):6905689.
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36. [Association between Dental Fear and Children's Oral Health-Related Quality of Life.](#)
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Front Endocrinol (Lausanne). 2024;14:1174299.
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38. [Parental Education, Caries Experience, Plaque Accumulation, And Mutans Streptococci Count May Predict The Increment Of Early Childhood Caries In Preschool Children Over 24 Months.](#)
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39. [The effect of three dental cement types on the corrosion of dental implant surfaces.](#)
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41. [The effect of surface treatment and thermal aging on the bonding of clear aligner attachments to provisional resin-based material: shear bond strength analysis.](#)
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INDEXED UG STUDENT PUBLICATIONS

Name	Title & Journal
1. Khan SQ, Alzayer HA, Alameer ST, Ajmal Khan M, Khan N, AlQuorain H, Gad MM.	SEQUEL: Prevalence of dental caries in Saudi Arabia: A systematic review and Meta-analysis. Saudi Dent J. 2024 Jul;36(7):963-969. Indexing: Scopus: ● Web of Science: ● PubMed: ●
2. Hmud R, Alamri A.	Evaluating the efficacy and predictability of distalization protocols for maxillary molars in Class II treatment with clear Aligners: A narrative review. Saudi Dent J. 2024 Sep;36(9):1184-1189. Indexing: Scopus: ● Web of Science: ● PubMed: ●
3. AlJarboua RT, Alshihry RA, Alkhaldi HO, Al Marar FH, Aljaffary MA, Almana ML, Balhaddad AA, Alkhateeb O.	Effect of Fiber-Reinforced Composite Placement Site on Fracture Resistance of Premolar Teeth: An in vitro Study. Clin Cosmet Investig Dent. 2024 Jul 8;16:255-266. Indexing: Scopus: ● Web of Science: ● PubMed: ●
4. Fouda SM, Gad MM, Ellakany P, El Zayat M, AlGhamdi M, Abdelrahman H, El-Din MS.	Impact of prosthetic rehabilitation on oral health-related quality of life of Saudi Adults: A prospective observational study with pre-post design. Saudi Dent J. 2024 Jul;36(7):1000-1005. Indexing: Scopus: ● Web of Science: ● PubMed: ●

5. Gad MM, Fouda SM, [Influence of different printing orientations and post-polymerization time on the translucency of three-dimensional \(3D\) printed denture base resins.](#)
Alshammary H, Altayyar R, Elakel A, Nassar EA, Khan SQ, J Prosthodont. 2024 Sep;33(S1):81-92.
Rahoma AM, Indexing: Scopus: ● Web of Science: ● PubMed: ●
Elhagali AF, Özcan M, Al-Harbi FA.
6. Nazir MA, [Enhancing Oral Health via the Sense of Coherence Approach Among Adult Patients at University Dental Hospital.](#)
Alghamdi S, Sallout M, Patient Prefer Adherence. 2024 Jul 10;18:1463-1470.
Bubshait S, Asiri A. Indexing: Scopus: ● Web of Science: ● PubMed: ●
7. Ellakany P, Aly NM, [Assessment of color stability and translucency of various CAD/CAM ceramics of different compositions and Thicknesses: An in vitro study.](#)
Alameer ST, Alshehri T, Fouda SM. Saudi Dent J. 2024 Jul;36(7):1019-1024.
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