



## VCU School of Dentistry Publications 2022

### [Ceramic Partial-Coverage Restorations.](#)

Abdulmajeed AA.

Inside Dentistry. 18, (8) 14, 2022

### [Posterior Tooth Preparation for All-Ceramic Restorations - Understanding material-specific requirements is essential to success.](#)

Abdulmajeed A.

Inside Dentistry. 18, (8) 20, 2022

### [Strength and phase transformation of different zirconia types after chairside adjustment.](#)

Abdulmajeed A, Sulaiman TA, Abdulmajeed AA, Närhi TO.

J Prosthet Dent. 2022 Aug 5:S0022-3913(22)00422-X. doi: 10.1016/j.prosdent.2022.06.015. Online ahead of print. PMID: 35934577

The Effect of Ultraviolet Treatment on TiO<sub>2</sub> Nanotubes: A Study of Surface Characteristics, Bacterial Adhesion, and Gingival Fibroblast Response.

Kobayashi M, Abdulmajeed AA, Moon J, Shahramian K, Punkkinen R, Shimada J, Vallittu PK, Lassila LV.

Metals. 2022 Jan;12(1):80.

### [Influence of Metal Guide Sleeves on the Accuracy and Precision of Dental Implant Placement Using Guided Implant Surgery: An In Vitro Study.](#)

Adams CR, Ammoun R, Deeb GR, Bencharit S.

J Prosthodont. 2022 Mar 8. doi: 10.1111/jopr.13503. Online ahead of print. PMID: 35257456

Patterns Of Food Security And Dietary Intake During The First Half Of The Child Tax Credit Expansion.

Adams E, Brickhouse T, Dugger R, Bean M.



Health Aff (Millwood). 2022 May;41(5):680-688. doi: 10.1377/hlthaff.2021.01864. PMID: 35500174; PMCID: PMC9614666.

[Senolytic-Mediated Elimination of Head and Neck Tumor Cells Induced Into Senescence by Cisplatin.](#)

Ahmadinejad F, Bos T, Hu, Britt E, Koblinksi J, Souers AJ, Levenson JD, Faber AC, Gewirtz DA, Harada H.

Mol Pharmacol. 2022 Mar;101(3):168-180. doi: 10.1124/molpharm.121.000354. Epub 2021 Dec 14. PMID: 34907000

[Prepregnancy BMI, gestational weight gain and offspring caries experience: Avon longitudinal study of parents and children.](#)

Akinkugbe AA, Brickhouse TH, Bandyopadhyay D, Nascimento MM, Slade GD.

PLoS One. 2022 Mar 31;17(3):e0266247. doi: 10.1371/journal.pone.0266247. eCollection 2022. PMID: 35358251

[Unusual Findings in Trials Evaluating Adjuncts to Scaling and Root Planing: Reporting Quality \(Part 2\).](#)

Al-Abedalla K, Gunsolley JC, Shaqman M, Ioannidou E.

JDR Clin Trans Res. 2022 Jul;7(3):242-255. doi: 10.1177/23800844211034831. Epub 2021 Oct 5. PMID: 34609215

[Macrogeometric Differentiation of Dental Implant Primary Stability: An In Vitro Study.](#)

Al-Tarawneh SK, Thalji G, Cooper LF.

Int J Oral Maxillofac Implants. 2022 Nov-Dec;37(6):1110-1118. PMID: 36450016.

[Outcome of pulpotomy in permanent teeth with irreversible pulpitis: a systematic review and meta-analysis.](#)

Ather A, Patel B, Gelfond JAL, Ruparel NB.

Sci Rep. 2022 Nov 16;12(1):19664. doi: 10.1038/s41598-022-20918-w. PMID: 36385132

[Effect of Sodium Hypochlorite in Dental Unit Waterline on Aerosolized Bacteria Generated from Endodontic Procedures.](#)

Rayyan A, Ather A, Hargreaves KM, Ruparel NB.

J Endod. 2022 Oct;48(10):1248-1256. doi: 10.1016/j.joen.2022.07.006. Epub 2022 Aug 27. PMID: 36030970.

[American Academy of Periodontology best evidence consensus statement on the use of biologics in clinical practice.](#)



Avila-Ortiz G, Ambruster J, Barootchi S, Chambrone L, Chen CY, Dixon DR, Geisinger ML, Giannobile WV, Goss K, Gunsolley JC, Heard RH, Kim DM, Mandelaris GA, Monje A, Nevins ML, Palaiologou-Gallis A, Rosen PS, Scheyer ET, Suarez-Lopez Del Amo F, Tavelli L, Velasquez D, Wang HL, Mealey BL.

J Periodontol. 2022 Dec;93(12):1763-1770. doi: 10.1002/JPER.22-0361. Epub 2022 Oct 24. PMID: 36279407

## [Practice makes perfect? Association between students' performance measures in an advanced dental simulation course.](#)

Baechle MA, Gottlieb R, Carrico CK, Brody ER.

J Dent Educ. 2022 Nov;86(11):1535-1544. doi: 10.1002/jdd.13017. Epub 2022 Jun 26. PMID: 35754008

## [Role Of Oral Health In The Risk Of 3-Month Hospitalization In A Contemporaneous Multi-Center Cohort Of Outpatients with Cirrhosis.](#)

Bajaj JS, Lai JC, Tandon P, O'Leary JG, Wong F, Garcia-Tsao G, Vargas HE, Kamath PS, Biggins SW, Limon-Moro A, Shaw J, Mbachii C, Chew M, Golob Deeb J, Thacker LR, Reddy KR.

Clin Gastroenterol Hepatol 2022. Nov 1:S1542-3565(22)01012-6. doi: 10.1016/j.cgh.2022.10.023. Epub ahead of print. PMID: 36328307.

## [Perceived efficacy of extrusion of maxillary lateral incisors with aligners.](#)

Bates MT, Shroff B, Carrico CK, Kheirandish N, Lindauer SJ.

Am J Orthod Dentofacial Orthop. 2022 Nov 11:S0889-5406(22)00683-7. doi: 10.1016/j.ajodo.2021.11.016. Online ahead of print. PMID: 36376173

## [Salivary Metabolomics of Well and Poorly Controlled Type 1 and Type 2 Diabetes.](#)

Bencharit S, Carlson J, Byrd WC, Howard-Williams EL, Seagroves JT, McRitchie S, Buse JB, Sumner S.

Int J Dent. 2022 Aug 24;2022:7544864. doi: 10.1155/2022/7544864. eCollection 2022. PMID: 36059915

## [Scenario IV: Under-resourced but resilient and transformative.](#)

Botta AC, Bottino MC, Farmer-Dixon CM, Ferguson BM, Garcia MN, Goolsby SP, Subar P.

J Dent Educ. 2022 Mar;86(3):364-367. doi: 10.1002/jdd.12845. Epub 2021 Dec 9. PMID: 34888866 No abstract available.

## [The Role of Matrix-Bound Extracellular Vesicles in the Regulation of Endochondral Bone Formation.](#)



Boyan BD, Asmussen NC, Lin Z, Schwartz Z.

Cells. 2022 May 12;11(10):1619. doi: 10.3390/cells11101619.PMID: 35626656 Review.

[The Impact of Preventive Dental Services on Subsequent Dental Treatment for Children in Medicaid.](#)

Brickhouse TH, Yu J, Kumar AM, Dahman B.

JDR Clin Trans Res. 2022 May 1;23800844221096317. doi: 10.1177/23800844221096317. Online ahead of print. PMID: 35499130

[High-risk neuroblastoma with NF1 loss of function is targetable using SHP2 inhibition.](#)

Cai J, Jacob S, Kurupi R, Dalton KM, Coon C, Greninger P, Egan RK, Stein GT, Murchie E, McClanaghan J, Adachi Y, Hirade K, Dozmorov M, Glod J, Boikos SA, Ebi H, Hao H, Caponigro G, Benes CH, Faber AC.

Cell Rep. 2022 Jul 26;40(4):111095. doi: 10.1016/j.celrep.2022.111095.PMID: 35905710

[FtIA and FtIB Are Candidates for Inclusion in a Next-Generation Multiantigen Subunit Vaccine for Lyme Disease.](#)

Camire AC, O'Bier NS, Patel DT, Cramer NA, Straubinger RK, Breitschwerdt EB, Funk RA, Marconi RT.

Infect Immun. 2022 Oct 20;90(10):e0036422. doi: 10.1128/iai.00364-22. Epub 2022 Sep 14.PMID: 36102656

[Nevoid basal cell carcinoma syndrome: a case report and literature review.](#)

Chitta S, Patel J, Renapurkar S, Loschiavo C, Rhodes J, King K, Salkey K, Couser N.

Ophthalmic Genet. 2022 Feb;43(1):27-35. doi: 10.1080/13816810.2021.1983847. Epub 2021 Oct 5.PMID: 34608840 Review.

[Prenatal and Pediatric Oral Health Education Among Dental Hygiene Programs in the United States.](#)

Claiborne DM, Naavaal S.

J Dent Hyg. 2022 Aug;96(4):37-45.PMID: 35906082

[Synergistic effects of radiotherapy and targeted immunotherapy in improving tumor treatment efficacy: a review.](#)

Dar TB, Biteghe FAN, Kakar-Bhanot R, Aniogo EC, Malindi Z, Akinrinmade OA, Chalomie NET, Kombe Kombe AJ, Aboughe Angone S, Ndong JMN, Ndong JD.Clin Transl Oncol. 2022 Dec;24(12):2255-2271. doi: 10.1007/s12094-022-02888-7. Epub 2022 Aug 1.PMID: 35913663 Review.



[In Vitro Study of Laser-Assisted Prefabricated Ceramic Crown Debonding as Compared to Traditional Rotary Instrument Removal.](#)

Deeb JG, Crowell A, Richey KH, Bencharit S, Carrico CK, Williams TL, Grzech-Leśniak K.

Materials (Basel). 2022 May 18;15(10):3617. doi: 10.3390/ma15103617. PMID: 35629643

[Erbium laser-assisted ceramic debonding: a scoping review.](#)

Deeb JG, Grzech-Leśniak K, Brody ER, Matys J, Bencharit S.

J Prosthodont. 2022 Dec;31(9):e100-e124. doi: 10.1111/jopr.13613. Epub 2022 Nov 10. PMID: 36269672 Review.

[Is Dose Volume a Better Predictor of Osteoradionecrosis Risk Than Total Dose for Patients Who Have Received Head and Neck Radiation?](#)

DeLuke D, Carrico C, Ray C, Stilianoudakis S, Holler S, Padilla L, Song S. J Oral Maxillofac Surg. 2022 Sep;80(9):1557-1563. doi: 10.1016/j.joms.2022.04.009. Epub 2022 Apr 25. PMID: 35594907.

[Illuminating light in the darkness: Black/African-American men in dental education and strategies for change.](#)

Ester TV, Smith CS, Smith PD.

J Dent Educ. 2022 Sep;86(9):1214-1222. doi: 10.1002/jdd.13065. PMID: 36165243

[From describing disparities to understanding why disparities exist: Anti-racist methods to support dental public health research.](#)

Fleming E, Raskin SE, Brody E.

J Public Health Dent. 2022 Mar;82 Suppl 1(Suppl 1):73-78. doi: 10.1111/jphd.12503. PMID: 35726470

[Can academic dentistry become an anti-racist institution?: Addressing racial battle fatigue and building belonging.](#)

Fleming E, Smith CS, Ware TK, Gordon NB.

J Dent Educ. 2022 Sep;86(9):1075-1082. doi: 10.1002/jdd.13025. PMID: 36165246

[Building sustainable approaches to recruit, retain, and professionalize Black, Latinx, and American Indian students interested in dental careers.](#)



Fleming E, Agyemfra M, Anige N, Raskin SE.

J Dent Educ. 2022 Sep;86(9):1090-1097. doi: 10.1002/jdd.13019.PMID: 36165266

[MYCN upregulates the transsulfuration pathway to suppress the ferroptotic vulnerability in MYCN-amplified neuroblastoma.](#)

Floros KV, Chawla AT, Johnson-Berro MO, Khatri R, Stamatouli AM, Boikos SA, Dozmorov MG, Cowart LA, Faber AC. Cell Stress. 2022 Jan 17;6(2):21-29. doi: 10.15698/cst2022.02.264. eCollection 2022 Feb.PMID: 35174317 .

[A Critical Role for p53 during the HPV16 Life Cycle.](#)

Fontan CT, James CD, Prabhakar AT, Bristol ML, Otoa R, Wang X, Karimi E, Rajagopalan P, Basu D, Morgan IM. Microbiol Spectr. 2022 Jun 29;10(3):e0068122. doi: 10.1128/spectrum.00681-22. Epub 2022 May 24.PMID: 35608342

[Human papillomavirus 16 E2 blocks cellular senescence in response to activation of the DNA damage response.](#)

Fontan CT, Prabhakar AT, Wang X, Karimi E, Bristol ML, James CD, Morgan IM. Virology. 2022 Oct;575:54-62. doi: 10.1016/j.virol.2022.08.007. Epub 2022 Aug 27.PMID: 36058086

Glass SH (2022). Amalgam tattoo (Eds. Molly Housley Smith and Kelly Magliocca), PathologyOutlines.com <https://www.pathologyoutlines.com/topic/oralcavityamalgamtattoo.html>.

Glass SH (2022). Giant cell fibroma. (Eds. Molly Housley Smith and Kelly Magliocca), PathologyOutlines.com <https://www.pathologyoutlines.com/topic/oralcavitygiantcellfibroma.html>.

Glass SH (2022). Oral cavity squamous cell carcinoma. (Eds. Molly Housley Smith and Kelly Magliocca), PathologyOutlines.com <https://www.pathologyoutlines.com/topic/oralcavityscc.html>.

[Odontogenic Keratocyst Is Frequently Misdiagnosed for a Lateral Periodontal Cyst in Premolar and Anterior Tooth-Bearing Areas.](#)

Golob Deeb J, Deeb GR, Schafer DR.

J Endod. 2022 Mar;48(3):337-344. doi: 10.1016/j.joen.2021.11.010. Epub 2021 Dec 16.PMID: 34922990



[Comparison of accuracy and time for four implant placement techniques supporting fixed-partial denture.](#)

Golob Deeb J, Kanduti D, Skrjanc L, Carrico CK, Deeb GR.

J Oral Implantol. 2022 May 3. doi: 10.1563/aaid-joi-D-20-00415. Online ahead of print. PMID: 35503961

[Comparing the clinical and radiographic outcomes of pulpotomies in primary molars using bioactive endodontic materials and feric sulphate – a systematic review and metaanalysis of randomized clinical trials](#)

Gopinath VK, Pulikkotil SJ, Veettil SK, Dharmarajan L, Prakash PSG, Dhar V, Jayaraman J.

J Evid Based Dent Pract. 2022 Dec;22(4):101770. doi: 10.1016/j.jebdp.2022.101770. Epub 2022 Aug 6. PMID: 36494111  
Review.

[Patient perspectives on teledentistry and face-to-face doctor interaction during orthodontic treatment.](#)

Griffeth JK, Shroff B, Carrico C, Cook P, Lindauer SJ.

Am J Orthod Dentofacial Orthop. 2022 Nov 18:S0889-5406(22)00689-8. doi: 10.1016/j.ajodo.2021.11.019. Online ahead of print. PMID: 36411229

[Unusual Findings in Trials Evaluating Adjuncts to Scaling and Root Planing: Meta-analysis \(Part 1\).](#)

Gunsolley JC, Al-Abedalla K, Shaqman M, Ioannidou E.

JDR Clin Trans Res. 2022 Jul;7(3):234-241. doi: 10.1177/23800844211039722. Epub 2021 Oct 5. PMID: 34609240 Review.

[Impact of selenium on rhizosphere microbiome of a hyperaccumulation plant Cardamine violifolia.](#)

Guo Z, Zhu B, Guo J, Wang G, Li M, Yang Q, Wang L, Fei Y, Wang S, Yu T, Sun Y.

Environ Sci Pollut Res Int. 2022 Jun;29(26):40241-40251. doi: 10.1007/s11356-022-18974-w. Epub 2022 Feb 4. PMID: 35122198

[SGK1 negatively regulates inflammatory immune responses and protects against alveolar bone loss through modulation of TRAF3 activity.](#)

Han X, Ren J, Lohner H, Yakoumatos L, Liang R, Wang H.

J Biol Chem. 2022 Jun;298(6):102036. doi: 10.1016/j.jbc.2022.102036. Epub 2022 May 17. PMID: 35588785

[Improving the bond strength of molar tubes.](#)



Ha N, Kravitz ND, Tüfekçi E, Madurantakam P, Abdulmajeed AA.

J Clin Orthod. 2022 Oct;56(10):595-596. PMID: 36572518 No abstract available.

[Treponema denticola Induces Interleukin-36 \$\gamma\$  Expression in Human Oral Gingival Keratinocytes via the Parallel Activation of NF- \$\kappa\$ B and Mitogen-Activated Protein Kinase Pathways.](#)

Hinson AN, Hawkes CG, Blake CS, Fitzsimonds ZR, Zhu B, Buck G, Lamont RJ, Miller DP.

Infect Immun. 2022 Oct 20;90(10):e0024722. doi: 10.1128/iai.00247-22. Epub 2022 Aug 30. PMID: 36040155

[The GR-gp78 Pathway is involved in Hepatic Lipid Accumulation Induced by Overexpression of 11 \$\beta\$ -HSD1.](#)

Hu M, Han T, Pan Q, Ni D, Gao F, Wang L, Ren H, Zhang X, Jiao H, Wang Y, Dai D, Man Y, Tang W, Sun Y, Li W, Li J, Li G.

Int J Biol Sci. 2022 Apr 30;18(8):3107-3121. doi: 10.7150/ijbs.42376. eCollection 2022. PMID: 35637957 Free PMC article

[A comparison of patient testimonials on YouTube of the most common orthodontic treatment modalities: Braces, in-office aligners, and direct-to-consumer aligners.](#)

Hunsaker RJ, Shroff B, Carrico C, Alford B, Lindauer SJ.

Am J Orthod Dentofacial Orthop. 2022 Mar;161(3):355-363.e3. doi: 10.1016/j.ajodo.2020.09.036. Epub 2021 Nov 11. PMID: 34776320

[The GR-gp78 Pathway is involved in Hepatic Lipid Accumulation Induced by Overexpression of 11 \$\beta\$ -HSD1.](#)

Hu M, Han T, Pan Q, Ni D, Gao F, Wang L, Ren H, Zhang X, Jiao H, Wang Y, Dai D, Man Y, Tang W, Sun Y, Li W, Li J, Li G.

Int J Biol Sci. 2022 Apr 30;18(8):3107-3121. doi: 10.7150/ijbs.42376. eCollection 2022. PMID: 35637957

[Radiant Exitance of Old, New, and Damaged LED Light Curing Units.](#)

Imbery TA, Bergeron SY, Boyle J.

Oper Dent. 2022 Nov 1;47(6):693-700. doi: 10.2341/21-177-L. PMID: 36251570

[An evaluation of factors affecting dental shade matching in first-year dental students.](#)

Imbery TA, Killough C, Baechle MA, Hankle JL, Janus C.

J Prosthet Dent. 2022 Sep;128(3):489-495. doi: 10.1016/j.prosdent.2020.09.030. Epub 2021 Feb 24. PMID: 33637325



[Wax carving exercises predict performance on practical examinations for first-year dental students.](#)

Imbery TA, Goolsby SP, Janus C, Stilianoudakis S.

J Dent Educ. 2022 Mar;86(3):301-309. doi: 10.1002/jdd.12802. Epub 2021 Oct 8. PMID: 34624926

[Adopting artificial intelligence in dental education: A model for academic leadership and innovation.](#)

Islam NM, Laughter L, Sadid-Zadeh R, Smith C, Dolan TA, Crain G, Squarize CH.

J Dent Educ. 2022 Nov;86(11):1545-1551. doi: 10.1002/jdd.13010. Epub 2022 Jul 3. PMID: 35781809

Isringhausen, K.T. (2022). Head and neck anatomy. In C. Blue (Ed.). Darby's Comprehensive Review of Dental Hygiene (9th Edition). Maryland Heights, Missouri: Elsevier Inc.

[Photobiomodulation Therapy in the Treatment of Oral Mucositis-A Case Report.](#)

Jabłoński P, Musiał M, Wiench R, Stefanik N, Olchowcy C, Matys J, Skaba D, Grzech-Leśniak K.

Medicina (Kaunas). 2022 Apr 29;58(5):618. doi: 10.3390/medicina58050618. PMID: 35630035

[Age estimation of Hispanic children in the United States: Development and validation of dental reference dataset based on two staging systems.](#)

Jayaraman J, Mendez MJC, Gakunga PT, Roberts G.

Leg Med (Tokyo). 2022 May;56:102033. doi: 10.1016/j.legalmed.2022.102033. Epub 2022 Feb 2. PMID: 35151981

[Editorial: Integration of evidence-based research and practice in preventive and pediatric dentistry.](#)

Jayaraman J, Mallineni SK.

Front Oral Health. 2022 Sep 26;3:1017226. doi: 10.3389/froh.2022.1017226. eCollection 2022. PMID: 36225818

[Follow up Evaluation of Silicone and Acrylic Finger Prosthesis: A Comparison Case Report.](#)

Jitendra J, Sundari JG, Annamma LM, Abutayyem H, Alam MK. International Medical Journal [Internet]. 2022 Oct 29(5):309–12



[Extracellular Vesicles From TNF \$\alpha\$  Preconditioned MSCs: Effects on Immunomodulation and Bone Regeneration.](#)

Kang M, Huang CC, Gajendrareddy P, Lu Y, Shirazi S, Ravindran S, Cooper LF. Front Immunol. 2022 May 2;13:878194. PMID: 35585987

[Insufficient Evidence to Ascertain the Long-Term Survival of PEEK Dental Prostheses: A Systematic Review of Clinical Studies.](#)

Khurshid Z, Nedumgottil BM, Ali RMM, Bencharit S, Najeeb S.

Polymers (Basel). 2022 Jun 16;14(12):2441. doi: 10.3390/polym14122441. PMID: 35746022 Review

[A modification of the Storino Leash.](#)

Kravtiz ND, Attkisson B, Storino D.

J Clin Orthod. 2022 May;56(5):297-298. PMID: 35767858

[Ultrasound insonation angle and scanning imaging modes for imaging dental implant structures: A benchtop study.](#)

Kripfgans OD, Goli ND, Majzoub J, De Siqueira RAC, Soki F, Chan HL.

PLoS One. 2022 Nov 29;17(11):e0270392. doi: 10.1371/journal.pone.0270392. eCollection 2022. PMID: 36445898

[Transcriptional and functional characterizations of multiple flagellin genes in spirochetes.](#)

Kurniyati K, Chang Y, Liu J, Li C.

Mol Microbiol. 2022 Sep;118(3):175-190. doi: 10.1111/mmi.14959. Epub 2022 Jul 18. PMID: 35776658

[Pharmacologic Inhibition of SHP2 Blocks Both PI3K and MEK Signaling in Low-epiregulin HNSCC via GAB1.](#)

Kurupi R, Floros KV, Jacob S, Chawla AT, Cai J, Hu B, Puchalapalli M, Coon CM, Khatri R, Crowther GS, Egan RK, Murchie E, Greninger P, Dalton KM, Ghotra MS, Boikos SA, Koblinksi JE, Harada H, Sun Y, Morgan IM, Basu D, Dozmorov MG, Benes CH, Faber AC.

Cancer Res Commun. 2022 Sep;2(9):1061-1074. doi: 10.1158/2767-9764.crc-21-0137. Epub 2022 Sep 26. PMID: 36506869

[Tyrosine Kinases and Phosphatases: Enablers of the Porphyromonas gingivalis Lifestyle.](#)

Lamont RJ, Miller DP.



Front Oral Health. 2022 Feb 9;3:835586. doi: 10.3389/froh.2022.835586. eCollection 2022. PMID: 35224543 Review.

Assessment of the recommended neck and back positions for dental hygienists, using electromyography to quantify muscle workload.

Lemaster M, Kellera K, Moeini M, Russell, D. Journal of Dental Hygiene. 2021 Oct;95(5):6-13. PMID: 34654710

## [Biomaterials and Extracellular Vesicle Delivery: Current Status, Applications and Challenges.](#)

Leung KS, Shirazi S, Cooper LF, Ravindran S.

Cells. 2022 Sep 13;11(18):2851. doi: 10.3390/cells11182851.PMID: 36139426 Review.

## [Phosphoproteomics Unravel HBV Triggered Rewiring of Host Phosphosignaling Events.](#)

Lim Z, Mohd-Ismail NKB, Png E, Sze CW, Lin Q, Hong W, Lim SG, Tan YJ, Gunaratne J.

Int J Mol Sci. 2022 May 4;23(9):5127. doi: 10.3390/ijms23095127.PMID: 35563518 .

## [Extraction of Exosomes and Exosomal miRNA from Mesenchymal Stem Cells.](#)

Lin Z, Wong A, Alam S.

Methods Mol Biol. 2022;2455:333-341. doi: 10.1007/978-1-0716-2128-8\_25.PMID: 35213005

## [Intracellular cholesterol transport inhibition Impairs autophagy flux by decreasing autophagosome-lysosome fusion.](#)

Maharjan Y, Dutta RK, Son J, Wei X, Park C, Kwon HM, Park R.

Cell Commun Signal. 2022 Nov 25;20(1):189. doi: 10.1186/s12964-022-00942-z.PMID: 36434621

## [Efficacy of a harvest graft substitute for recession coverage and soft tissue volume augmentation: A randomized controlled trial.](#)

McGuire MK, Janakievski J, Scheyer ET, Velásquez D, Gunsolley JC, Heard RH, Morelli T.

J Periodontol. 2022 Mar;93(3):333-342. doi: 10.1002/JPER.21-0131. Epub 2021 Aug 16.PMID: 34287902 Clinical Trial.

## [Nanoscale hybrid implant surfaces and Osterix-mediated osseointegration.](#)



Morandini Rodrigues L, Lima Zutin EA, Sartori EM, Rizzante FAP, Mendonça DBS, Krebsbach PH, Jepsen KJ, Cooper LF, Vasconcellos LMR, Mendonça G.

J Biomed Mater Res A. 2022 Mar;110(3):696-707.Epub 2021 Oct 21. PMID: 34672417

[Exploration of naphthoquinone analogs in targeting the TCF-DNA interaction to inhibit the Wnt/ \$\beta\$ -catenin signaling pathway.](#)

Morris A, Hoyle R, Pagare PP, Uz Zaman S, Ma Z, Li J, Zhang Y.

Bioorg Chem. 2022 Jul;124:105812. doi: 10.1016/j.bioorg.2022.105812. Epub 2022 Apr 15.PMID: 35447408

[Efficacy of Various Laser Wavelengths in the Surgical Treatment of Ankyloglossia: A Systematic Review.](#)

Murias I, Grzech-Leśniak K, Murias A, Walicka-Cupryś K, Dominiak M, Golob Deeb J, Matys J.Life (Basel). 2022 Apr 8;12(4):558. doi: 10.3390/life12040558.PMID: 35455049 Review.

[Comprehensive pregnancy dental benefits improved dental coverage and increased dental care utilization among Medicaid-enrolled pregnant women in Virginia.](#)

Naavaal S, Harless DW.

Front Oral Health. 2022 Sep 20;3:989659. doi: 10.3389/froh.2022.989659. eCollection 2022.PMID: 36204196

[Association between periodontal disease and oral cancer screening among US adults: NHANES 2011-2014.](#)

Naavaal S, Garcia DT, Deng X, Bandyopadhyay D.

Community Dent Oral Epidemiol. 2022 Jun;50(3):216-224. doi: 10.1111/cdoe.12655. Epub 2021 May 25.PMID: 34032297

[Oral Health Knowledge, Barriers to Dental Care, and Awareness of a Medicaid Pregnancy Dental Coverage Among Reproductive-Age Women.](#)

Naavaal S, Carrico CK, Williams TL, Brickhouse TH, Raskin SE.

J Womens Health (Larchmt). 2022 Mar;31(3):401-407. doi: 10.1089/jwh.2021.0252. Epub 2021 Oct 19. PMID: 34665671

[Comparison of 3-dimensional printing technologies on the precision, trueness, and accuracy of printed retainers.](#)

Naeem OA, Bencharit S, Yang IH, Stilianoudakis SC, Carrico C, Tüfekçi E.

Am J Orthod Dentofacial Orthop. 2022 Apr;161(4):582-591. doi: 10.1016/j.ajodo.2021.03.016. PMID: 35337648



[PROBE 2023 guidelines for reporting observational studies in Endodontics: A consensus-based development study.](#)

Nagendrababu V, Duncan HF, Fouad AF, Kirkevang LL, Parashos P, Pigg M, Vaeth M, Jayaraman J, Suresh N, Arias A, Wigsten E, Dummer PMH.

Int Endod J. 2022 Nov 23. doi: 10.1111/iej.13873. Online ahead of print. PMID: 36416192

[Radiographic Evaluation of Permanent Second Molar Substitution After Extraction of Permanent First Molar: Identifying Predictors for Spontaneous Space Closure.](#)

Nordeen KA, Kharouf JG, Mabry TR, Dahlke WO, Beiraghi S, Tasca AW.

Pediatr Dent. 2022 Mar 15;44(2):123-130.PMID: 35484777

[An exploratory, cross-sectional and multi-institutional study using three instruments to examine student perceptions of interprofessional education.](#)

Patel Gunaldo T, Lockeman K, Pardue K, Breitbach A, Eliot K, Goumas A, Kettenbach G, Lanning S, Mills B.

J Interprof Care. 2022 Mar-Apr;36(2):268-275. doi: 10.1080/13561820.2021.1892614. Epub 2021 May 7.

PMID: 33957855

[Interaction with TopBP1 Is Required for Human Papillomavirus 16 E2 Plasmid Segregation/Retention Function during Mitosis.](#)

Prabhakar AT, James CD, Das D, Fontan CT, Otoa R, Wang X, Bristol ML, Morgan IM.

J Virol. 2022 Aug 24;96(16):e0083022. doi: 10.1128/jvi.00830-22. Epub 2022 Jul 26. PMID: 35880889

[Enhanced Cancer Therapy Using an Engineered Designer Cytokine Alone and in Combination With an Immune Checkpoint Inhibitor.](#)

Pradhan AK, Bhoopathi P, Maji S, Kumar A, Guo C, Mannangatti P, Li J, Wang XY, Sarkar D, Emdad L, Das SK, Fisher PB.

Front Oncol. 2022 Mar 24;12:812560. doi: 10.3389/fonc.2022.812560. eCollection 2022. PMID: 35402258

[Contribution of a ZIP-family protein to manganese uptake and infective endocarditis virulence in Streptococcus sanguinis.](#)

Puccio T, Kunka KS, An SS, Kitten T.

Mol Microbiol. 2022 Feb;117(2):353-374. doi: 10.1111/mmi.14853. Epub 2021 Dec 18.PMID: 34855265



[Manganese transport by \*Streptococcus sanguinis\* in acidic conditions and its impact on growth in vitro and in vivo.](#)

Puccio T, An SS, Schultz AC, Lizarraga CA, Bryant AS, Culp DJ, Burne RA, Kitten T.

Mol Microbiol. 2022 Feb;117(2):375-393. doi: 10.1111/mmi.14854. Epub 2021 Dec 18. PMID: 34862691 .

[What Happens to Full Mouth Extraction Patients? A Retrospective Review of Patient Mortality at an Academic Medical Center.](#)

Rabinowitz YA, Hooker KJ, Hanseman DJ, Ferdous Khan MT, McLaurin WS, Krishnan DG, Vossler A, Rambhatla R, Phero JA.

J Oral Maxillofac Surg. 2022 Nov;80(11):1827-1835. doi: 10.1016/j.joms.2022.06.024. Epub 2022 Jul 1. PMID: 35922012.

[Oral Health Equity Must Address Oppression: On the BSSOH Consensus Statement.](#)

Raskin SE, Fleming E.

J Dent Res. 2022 Jun;101(6):616-618. doi: 10.1177/00220345221081247. Epub 2022 Mar 18. PMID: 35302416

[Oral Health, Health Service Utilization, and Age at Arrival to the U.S. among Safety Net Patients.](#)

Raskin SE, Rasnick R, Kohlmann T, Zanin M, Bilodeau J, Akinkugbe A.

Int J Environ Res Public Health. 2022 Jan 28;19(3):1477. doi: 10.3390/ijerph19031477. PMID: 35162501

[Effect of Sodium Hypochlorite in Dental Unit Waterline on Aerosolized Bacteria Generated from Endodontic Procedures.](#)

Rayyan A, Ather A, Hargreaves KM, Ruparel NB.

J Endod. 2022 Oct;48(10):1248-1256. doi: 10.1016/j.joen.2022.07.006. Epub 2022 Aug 27. PMID: 36030970.

[3D Printing Clinical Service Participants. Utility and Costs During the Initial Year of 3D Printing in an Academic Hospital.](#)

Ravi P, Burch MB, Farahani S, Chepelev LL, Yang D, Ali A, Joyce JR, Lawera N, Stringer J, Morris JM, Ballard DH, Wang KC, Mahoney MC, Kondor S, Rybicki FJ; Rabinowitz YA, Shapiro SB, McCormick B, Costea AI, Byrd S, Panza A, Danesi TH, Giglia JS, Chadavavada S, Krishnan DG, Cervenka BP, Phero JA, McLaurin WS, Sidana A, Utz CJ, Grawe B

J Am Coll Radiol. 2022 Aug 18:S1546-1440(22)00552-X. doi: 10.1016/j.jacr.2022.07.001. Epub ahead of print. PMID: 35988585.



[Prognostic factors associated with implant loss, disease progression or favorable outcomes after peri-implantitis surgical therapy.](#)

Ravidà A, Siqueira R, Di Gianfilippo R, Kaur G, Giannobile A, Galindo-Moreno P, Wang CW, Wang HL.

Clin Implant Dent Relat Res. 2022 Apr;24(2):222-232. doi: 10.1111/cid.13074. Epub 2022 Mar 23. PMID: 35320880

[The In Vitro Effect of Laser Irradiation \(Er:YAG and CO<sub>2</sub>\) and Chemical Reagents \(Hydrogen Peroxide, Sodium Hypochlorite, Chlorhexidine, or Sodium Fluoride\) Alone or in Combination on Reducing Root Caries Bacteria.](#)

Reddy N, Golob Deeb J, Kitten T, Carrico CK, Grzech-Leśniak K.

Int J Mol Sci. 2022 Dec 12;23(24):15732. doi: 10.3390/ijms232415732. PMID: 36555374

[Are incisional biopsies reliable for selecting definitive treatment of ameloblastomas? A 15-year interdisciplinary retrospective study.](#)

Renapurkar SK, Broccoli P, Carrico C, Glass S.

Oral Surg Oral Med Oral Pathol Oral Radiol. 2022 Apr;133(4):388-395. doi: 10.1016/j.oooo.2021.07.008. Epub 2021 Jul 18. PMID: 34511343

[The Potential Role of a Surface-Modified Additive-Manufactured Healing Abutment on the Expression of Integrins  \$\alpha 2\$ ,  \$\beta 1\$ ,  \$\alpha v\$ , and  \$\beta 6\$  in the Peri-Implant Mucosa: A Preliminary Human Study.](#)

Roth LA, Bastos MF, Melo MA, Barão VAR, Costa RC, Giro G, Souza JGS, Grzech-Leśniak K, Shibli JA.

Life (Basel). 2022 Jun 22;12(7):937. doi: 10.3390/life12070937. PMID: 35888027

[Reliability of aspartic acid racemization rate for chronological age estimation-a systematic review and meta-analysis.](#)

Roy J, Jayaraman J, Johnson A.

Int J Legal Med. 2022 Sep;136(5):1457-1467. doi: 10.1007/s00414-022-02830-0. Epub 2022 May 3. PMID: 35503573  
Review.

[HPV E6 regulates therapy responses in oropharyngeal cancer by repressing the PGC-1 \$\alpha\$ /ERR \$\alpha\$  axis.](#)

Sannigrahi MK, Rajagopalan P, Lai L, Liu X, Sahu V, Nakagawa H, Jalaly JB, Brody RM, Morgan IM, Windle BE, Wang X, Gimotty PA, Kelly DP, White EA, Basu D.

JCI Insight. 2022 Sep 22;7(18):e159600. doi: 10.1172/jci.insight.159600. PMID: 36134662



[COVID-19 Pandemic Impact on US Childhood Caries and Potential Mitigation.](#)

Scherrer C, Naavaal S, Lin M, Griffin SO.

J Dent Res. 2022 Sep;101(10):1147-1154. doi: 10.1177/00220345221090183. Epub 2022 Apr 15. PMID: 35426333

[Antimicrobial Efficacy of Silver Diamine Fluoride against Enterococcus faecalis: A Systematic Review of In Vitro Studies.](#)

Shabbir J, Khurshid Z, Zafar MS, Farooqui WA, Imran E, Najeeb S, Bencharit S.

Biomed Res Int. 2022 Dec 16;2022:6544292. doi: 10.1155/2022/6544292. eCollection 2022. PMID: 36567909 Review.

[Topography-mediated immunomodulation in osseointegration; Ally or Enemy.](#)

Shirazi S, Ravindran S, Cooper LF.

Biomaterials. 2022 Dec;291:121903. doi: 10.1016/j.biomaterials.2022.121903. Epub 2022 Nov 9. PMID: 36410109 Review.

[Dental faculty well-being amid COVID-19 in fall 2020: A multi-site measure of burnout, loneliness, and resilience.](#)

Smith CS, Kennedy E, Quick K, Carrico CK, Saeed S.

J Dent Educ. 2022 Apr;86(4):406-415. doi: 10.1002/jdd.12822. Epub 2021 Nov 15. PMID: 34780060

[Men of color in the health professions: Proceedings from the 2022 ADEA President's symposium.](#)

Smith PD, Smith CS, Ester TV, West KP.

J Dent Educ. 2022 Sep;86(9):1259-1262. doi: 10.1002/jdd.13075. PMID: 36165253

[Large-Scale Sequencing of Borrelia for the Construction of Pan-Genomic-Based Diagnostics.](#)

Socarras KM, Haslund-Gourley BS, Cramer NA, Comunale MA, Marconi RT, Ehrlich GD.

Genes (Basel). 2022 Sep 8;13(9):1604. doi: 10.3390/genes13091604. PMID: 36140772 Review.

[Cleaning Zirconia Surface Prior To Bonding: A Comparative Study of Different Methods and Solutions.](#)

Sulaiman TA, Altak A, Abdulmajeed A, Rodgers B, Lawson N.



J Prosthodont. 2022 Mar;31(3):239-244. doi: 10.1111/jopr.13389. Epub 2021 Jun 1. PMID: 33998083

[Electromagnetic interactions in regulations of cell behaviors and morphogenesis.](#)

Sun G, Li J, Zhou W, Hoyle RG, Zhao Y.

Front Cell Dev Biol. 2022 Oct 19;10:1014030. doi: 10.3389/fcell.2022.1014030. eCollection 2022. PMID: 36340041  
Review.

[Predicting Interest in Orthodontic Aligners: A Google Trends Data Analysis.](#)

Sycińska-Dziarnowska M, Szyszka-Sommerfeld L, Woźniak K, Lindauer SJ, Spagnuolo G.

Int J Environ Res Public Health. 2022 Mar 6;19(5):3105. doi: 10.3390/ijerph19053105. PMID: 35270796

[Implant Site Preparation Application of Injectable Platelet-Rich Fibrin for Vertical and Horizontal Bone Regeneration: A Clinical Report.](#)

Thanasrisuebwong P, Kiattavorncharoen S, Deeb GR, Bencharit S.

J Oral Implantol. 2022 Feb 1;48(1):43-50. doi: 10.1563/aid-joi-D-20-00031. PMID: 33270878

[Influence of the Residual Ridge Widths and Implant Thread Designs on Implant Positioning Using Static Implant Guided Surgery.](#)

Thanasrisuebwong P, Pimkhaokham A, Jirajariyavej B, Bencharit S.

J Prosthodont. 2022 Jun 10. doi: 10.1111/jopr.13557. Online ahead of print. PMID: 35686699

[Influence of implant diameter on accuracy of static implant guided surgery: An in vitro study.](#)

Thanasrisuebwong P, Kulchotirat T, Hopfensperger LJ, Bencharit S.

J Prosthet Dent. 2022 Dec 2;S0022-3913(22)00694-1. doi: 10.1016/j.prosdent.2022.11.004. Online ahead of print. PMID: 36470759

[Tracking Tag Stabilization With a Small-Diameter Implant in an Edentulous Mandible to Assist Dynamically Navigated Surgery: A Case Report.](#)

Tran D, Deeb JG, Wojnarwsky PKL, Deeb GR.

J Oral Implantol. 2022 Oct 1;48(5):423-430. doi: 10.1563/aid-joi-D-21-00234. PMID: 34937082



[ICP-MS measurements of elemental release from two palladium alloys into a corrosion testing medium for different solution volumes and agitation conditions.](#)

Tufekçi E, Mitchell JC, Olesik JW, Brantley WA, Monaghan P, Johnston WM.

J Prosthet Dent. 2022 Sep;128(3):522-528. doi: 10.1016/j.prosdent.2020.12.038. Epub 2021 Feb 15. PMID: 33597079

[Technical complications of implant restorations: Component deformation, fracture, separation.](#)

Uram-Tuculescu S, Wojnarwsky PKL. Stoma Edu J 2021; 8(2): 133-137. 7

[Dental Age Estimation Standards for Hispanic Children and Adolescents in California.](#)

Ustarez A, Silva DR, Roberts G, Jayaraman J. Forensic Sciences. 2022; 2(3):565-573.

Retro-odontoid pseudotumor: a potentially serious cervical spine incidental finding on cone beam computed tomography.

Vaddi A, Lurie AG, Baldwin MT. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology. 2022 Sep 9.

DOI: [10.1016/j.oooo.2022.09.004](#) PMID: 36513590

[Association between Orthodontic Force and Dental Pulp Changes: A Systematic Review of Clinical and Radiographic Outcomes.](#)

Vitali FC, Cardoso IV, Mello FW, Flores-Mir C, Andrada AC, Dutra-Horstmann KL, Duque TM.

J Endod. 2022 Mar;48(3):298-311. doi: 10.1016/j.joen.2021.11.018. Epub 2021 Dec 7. PMID: 34890594 Review.

[Does the use of natural products for endodontic therapy in primary teeth have sufficient evidence for clinical practice? A scoping review.](#)

Vitali FC, Andrada AC, Cardoso HCDL, Xavier-Junior GF, Teixeira CDS, Salles LP, Lia EN, Massignan C.

Clin Oral Investig. 2022 Oct;26(10):6043-6060. doi: 10.1007/s00784-022-04633-4. Epub 2022 Jul 19.

PMID: 35852628 Review.

A comparative evaluation of the metallic artifact generated by a ceramic dental implant and a titanium dental implant imaged on cone-beam computed tomographic scans: An ex vivo study Warren EK, Vaddi A, Tadinada A. JADA Foundational Science. 2022 Jan 1;1:100007.



[Effect of print angulation on the accuracy and precision of 3D-printed orthodontic retainers.](#)

Williams A, Bencharit S, Yang IH, Stilianoudakis SC, Carrico CK, Tüfekçi E.

Am J Orthod Dentofacial Orthop. 2022 Jan;161(1):133-139. doi: 10.1016/j.ajodo.2021.01.020. PMID: 35012743

[Effectiveness of lasers and aPDT in elimination of intraoral halitosis: a systematic review based on clinical trials.](#)

Woźniak A, Matys J, Grzech-Leśniak K.

Lasers Med Sci. 2022 Dec;37(9):3403-3411. doi: 10.1007/s10103-022-03656-3. Epub 2022 Nov 24. PMID: 36422753 .  
Review.

[Human Bone Marrow Stromal Cell Exosomes Ameliorate Periodontitis.](#)

Yue C, Cao J, Wong A, Kim JH, Alam S, Luong G, Talegaonkar S, Schwartz Z, Boyan BD, Giannobile WV, Sahingur SE, Lin Z.

J Dent Res. 2022 Aug;101(9):1110-1118. doi: 10.1177/00220345221084975. Epub 2022 Mar 31. PMID: 35356822

[Facial Aesthetic Laser-Assisted Protocol for the Management of Acne and Pigmentation: A Case Report.](#)

Zeaiter N, Grzech-Leśniak K, Grzech-Leśniak Z, Ghandour M, El Mobadder M.

Cureus. 2022 Sep 6;14(9):e28871. doi: 10.7759/cureus.28871. eCollection 2022 Sep. PMID: 36225514

[BET inhibition triggers antitumor immunity by enhancing MHC class I expression in head and neck squamous cell carcinoma.](#)

Zhang M, Wang G, Ma Z, Xiong G, Wang W, Huang Z, Wan Y, Xu X, Hoyle RG, Yi C, Hou J, Liu X, Chen D, Li J, Wang C.

Mol Ther. 2022 Nov 2;30(11):3394-3413. doi: 10.1016/j.ymthe.2022.07.022. Epub 2022 Aug 3. PMID: 35923111