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# RESEARCH SYMPOSIUM



## PITT DENTAL MEDICINE FACULTY RESEARCH PUBLICATIONS (FY2022-23)

Aminoshariae A, Azarpazhooh A, Fouad AF, Glickman GN, He J, Kim SG, Kishen A, **Letra AM**, Levin L, Setzer FC, Tay FR. Insights into the July 2022 Issue of the Journal of Endodontics. *Journal of Endodontics*. 2022 Jul 1;48(7):837-9.

Howe BJ, Pendleton C, Withanage MH, Childs CA, Zeng E, van Wijk A, Hermus R, Padilla C, Hecht JT, Poletta FA, Orioli IM, Buxó-Martínez CJ, Deleyiannis F, **Vieira AR**, Butali A, Valencia-Ramirez C, Restrepo Muñeton C, Wehby GL, **Weinberg SM**, **Marazita ML**, Moreno Uribe LM, Xie X-J. Tooth Agenesis Patterns in Orofacial Clefting Using Tooth Agenesis Code: A Meta-Analysis. *Dentistry Journal*. 2022 Jul 5;10(7):128.

Bertol JW, Johnston S, Ahmed R, Xie VK, Hubka KM, Cruz L, Nitschke L, Stetsiv M, Goering JP, Nistor P, Lowell S, Hoskens H, Claes P, **Weinberg SM**, Saadi I, Farach-Carson MC, Fakhouri WD. Twist1 interacts with beta/delta-Catenins during neural tube development and regulates fate transition in cranial neural crest cells. *Development*. 2022 Jul 4.

Lee MK, Dahl ZT, Anderton J, Maurer JL, **Marazita ML**, Shaffer JR, **Weinberg SM**. Bent pinkies: Quantifying fifth finger clinodactyly in a sample of U.S. adults. *PLoS One*. 2022 Jul 20;17(7):e0271734.

Kling JM, Sleeper R, Chin EL, Rojek MK, McGregor AJ, Richards L, Mitchell AB, Stasiuk C, Templeton K, **Prasad J**, Pfister S. Sex and Gender Health Educational Tenets: A Report from the 2020 Sex and Gender Health Education Summit. *Journal of Women's Health*. 2022 Jul 1;31(7):905-10.

Ragodis R, Wang T, Padilla C, Hecht JT, Poletta FA, Orioli IM, Buxó CJ, Butali A, Valencia-Ramirez C, Restrepo Muñeton C, Wehby GL, **Weinberg SM**, **Marazita ML**, Moreno Uribe LM, Howe BJ. Dental anomaly detection using intraoral photos via deep learning. *Sci Rep*. 2022 Jul 8;12(1):11577.

Dong C, Lamichhane B, Yamazaki H, Vasquez B, Wang J, Zhang Y, Feng JQ, **Margolis HC**, **Beniash E**, Wang X. The phosphorylation of serine55 in enamelin is essential for murine amelogenesis. *Matrix Biology*. 2022 Aug 1;111:245-63.

Awotoye W, Mossey PA, Hetmanski JB, Gowans IJJ, Eshete MA, Adeyemo WL, Alade A, Zeng E, Adamson O, Naicker T, Anand D, Adeleke C, Busch T, Li M, Petrin A, Aregbesola BS, Braimah RO, Oginni FO, Oladele AO, Oladayo A, Kayali S, Olotu J, Hassan M, Pape J, Donkor P, Arthur FKN, Obiri-Yeboah S, Sabbah DK, Agbenorku P, Plange-Rhule G, Oti AA, Gogal RA, Beaty TH, Taub M, **Marazita ML**, Schnieders MJ, Lachke SA, Adeyemo AA, Murray JC, Butali A. Whole-genome sequencing reveals de-novo mutations associated with nonsyndromic cleft lip/palate. *Sci Rep*. 2022 Jul 11;12(1):11743.

Jansen EC, Zhao W, Jones AD, Marshall TA, Neiswanger K, Shaffer JR, McNeil DW, **Marazita ML**, Foxman B. Early Childhood Diet in Relation to Toddler Nighttime Sleep Duration Trajectories. *Nutrients*. 2022 Jul 26;14(15):3059.

Barakat MT, Khalid A, Yu M, Ding Y, Murayi JA, **Jayaraman T**, Poropatich R, Akshintala V, Juakiem W, Wen L, Papachristou G. A review of the rationale for the testing of the calcineurin inhibitor tacrolimus for post-ERCP pancreatitis prevention. *Pancreatology*. 2022 Jul 13.

Yu Y, Alvarado R, Petty LE, Bohlender RJ, Shaw DM, Below JE, Bejar N, Ruiz OE, Tandon B, Eisenhoffer GT, Kiss DL, Huff CD, **Letra A**, Hecht JT. Polygenic risk impacts PDGFRA mutation penetrance in non-syndromic cleft lip and palate. *Hum Mol Genet*. 2022 Jul 21;31(14):2348-2357.

Aminoshariae A, Azarpazhooh A, Fouad AF, Glickman GN, He J, Kim SG, Kishen A, **Letra AM**, Levin L, Setzer FC, Tay FR, Hargreaves KM. Insights into the August 2022 Issue of the JOE. *J Endod*. 2022 Aug;48(8):973-974.

Pontell ME, Steinberg JP, Mackay DR, Rodriguez ED, Strong EB, Olsson AB, Kriet JD, Kelly KJ, **Ochs MW**, Taub PJ, Desai SC. Interfacility Transfer Guidelines for Isolated Facial Trauma: A Multi-disciplinary Expert Consensus. *Plastic and Reconstructive Surgery*. 2022 Jul 29. 10-97.

Grissom AC, Cozad BE, Makins SR, **Silva RM**, English JD, Kirkpatrick TC. Root Surface Changes in Endodontically Treated Teeth Following Orthodontic Movement. *Journal of Endodontics*. 2022 Aug 11.

Souza JG, Oliveira BE, Costa RC, Bechara K, Cardoso-Filho O, Benso B, Shibli JA, **Bertolini M**, Barao VA. Bacterial-derived extracellular polysaccharides reduce antimicrobial susceptibility on biotic and abiotic surfaces. *Archives of Oral Biology*. 2022 Aug 11;105521.

Divaris K, Haworth S, Shaffer JR, Anttonen V, Beck JD, Furuichi Y, Holifreter B, Jönsson D, Kocher T, Levy SM, Magnusson PKE, McNeil DW, Michaëlsson K, North KE, Palotie U, Papapanou PN, Pussinen PJ, Porteous D, Reis K, Salminen A, Schaefer AS, Sudo T, Sun YQ, Suominen AL, Tamahara T, **Weinberg SM**, Lundberg P, **Marazita ML**, Johansson I. Phenotype Harmonization in the GLIDE2 Oral Health Genomics Consortium. *J Dent Res*. 2022 Oct;101(11):1408-16.

**Chung WL**, Brown BN, **Almarza AJ**. Decellularized small intestine submucosa device for temporomandibular joint meniscus repair: Acute timepoint safety study. *PLoS one*. 2022 Aug 25;17(8):e0273336.

**Clark D**, Doelling J, Hu D, Miclau T, Nakamura M, Marcucio R. Age-related decrease in periostin expression may be associated with attenuated fracture healing in old mice. *J Orthop Res*. 2022 Sep 4. doi: 10.1002/jor.25439. Epub ahead of print.

Aminoshariae A, Azarpazhooh A, Fouad AF, Glickman GN, He J, Kim SG, Kishen A, **Letra AM**, Levin L, Setzer FC, Tay FR, Hargreaves KM. Insights into the September 2022 Issue of the JOE. *J Endod*. 2022 Sep;48(9):1089-1091.

Sifuentes-Cervantes JS, Muzzi D, Castro-Núñez J, Guerrero LM, **Cunningham LL**. Maxillofacial Trauma Patterns in Bare-Knuckle Fighting. *J Oral Maxillofac Surg*. 2022 Aug 2;S0278-2391(22)00702-9.

**Antonopoulou S**, Cho SH, Kesterke M, Kontogiorgos E, Korentzelos D. Effect of different storage conditions on the fit of 3D-printed occlusal devices used to treat temporomandibular disorders. *J Prosthet Dent*. 2022 Sep 1;128(3):488-e1.

Johnson JD Jr, **Schwartz PJ**, Egbert MA, Tiner BD, Clark RS, Shafer DM, Eichner ME, Sacco DM, Morrison JD, Crago CA, Stephens WF. Perspectives on Advocating for Medicare-Eligible and Medicaid-Eligible Adults. *J Oral Maxillofac Surg*. 2022 Sep;80(9):1459-1460.

Rothermund K, Calabrese TC, **Syed-Picard FN**. Differential effects of Escherichia coli versus Porphyromonas gingivalis-derived lipopolysaccharides on dental pulp stem cell differentiation in scaffold-free engineered tissues. *Journal of Endodontics*. 2022 Sep 13.

Frantsve-Hawley J, Abt E, Carrasco-Labra A, Dawson T, Michaels M, Pahlke S, Rindal DB, Spallek H, **Weyant RJ**. Strategies for developing evidence-based clinical practice guidelines to foster implementation into dental practice. *The Journal of the American Dental Association*. 2022 Sep 17.

Aggor FE, **Bertolini M**, Zhou C, Taylor TC, Abbott DA, Musgrove J, Bruno VM, Hand TW, Gaffen SL. A gut-oral microbiome-driven axis controls oropharyngeal candidiasis through retinoic acid. *JCI insight*. 2022 Sep 22;7(18).

Liu Y, **Bilodeau E**, Pollack B, Batmanghelich K. Automated detection of premalignant oral lesions on whole slide images using convolutional neural networks. *Oral Oncology*. 2022 Nov 1;134:106109.

De Souza GM, Tiwari T, Fox CH, Miguez PA, **Letra A**, Geisinger ML, Patel M, Shaddox L, Ioannidou E. Perception of COVID-19 pandemic restrictions on dental researchers. *Journal of Dental Education*. 2022 Sep 21.

Bezamat M, Rothenberger S, Vieira AR. Genetic contribution to cancer risk in patients with tooth loss: a genetic association study. *Sci Rep*. 2022 Sep 27;12(1):16098. doi: 10.1038/s41598-022-20556-2. PMID: 36167768.

Aminoshariae A, Azarpazhooh A, Fouad AF, Glickman GN, He J, Kim SG, Kishen A, **Letra AM**, Levin L, Setzer FC, Tay FR. Insights into the October 2022 Issue of the JOE. *Journal of Endodontics*. 2022 Oct 1;48(10):1229-31.

Bhaumik D, Salzman E, Davis E, Blostein F, Li G, Neiswanger K, **Weyant RJ**, Crout R, McNeil DW, **Marazita ML**, Foxman B. Plaque Microbiome in Caries-Active and Caries-Free Teeth by Dentition. *JDR Clinical & Translational Research*. 2022 Sep 25:23800844221121260.

Schwendicke F, **Marazita ML**. Data-Driven Dental, Oral, and Craniofacial Analytics: Here to Stay. *Journal of Dental Research*. 2022 Oct;101(11):1255-7.

Sawaya AP, Uchiyama A, Hope E, Bajpai D, Worrell S, Cross M, **Beniash E**, Jenkins LM, Duverger O, Morasso MI. Keratin 75 is a component of the LINC complex and has an essential role in mediating the SOX2 rapid healing response during wound repair. *The Journal of investigative dermatology*. 2022 Sep 26:S0022-202X.

Foxman B, Davis E, Neiswanger K, McNeil D, Shaffer J, **Marazita ML**. Maternal factors and risk of early childhood caries: A prospective cohort study. *Community Dent Oral Epidemiol*. 2022 Sep 28. doi: 10.1111/cdoe.12794. Epub ahead of print. PMID: 36168961.

Rindal DB, Kottke TE, Jurkovich MW, Asche SE, Enstad CJ, Truitt AR, Ziegenfuss JY, Romito LM, Thyvalikakath TP, **O'Donnell J**, Spallek H. Findings and Future Directions from a Smoking Cessation Trial Utilizing a Clinical Decision Support Tool. *Journal of Evidence-Based Dental Practice*. 2022 Sep 1;22(3):101747.

Waters CM, Pelczar K, **Adlesic EC**, **Schwartz PJ**, **Giovannitti Jr JA**. ACE-Inhibitor or ARB-Induced Refractory Hypotension Treated With Vasopressin in Patients Undergoing General Anesthesia for Dentistry: Two Case Reports. *Anesthesia Progress*. 2022;69(3):30-5.

Perciaccante VJ, **Cunningham LL**. Certification by the American Board of Oral and Maxillofacial Surgery: Residency to Retirement. *Oral and Maxillofacial Surgery Clinics*. 2022 Nov 1;34(4):521-8.

Khouja T, **Polk DE**, Suda KJ. Opioid prescribing by oral and maxillofacial surgeons in the United States, 2016-2019. *Journal of Public Health Dentistry*. 2022 Sep;82(4):491-4.

Aminoshariae A, Azarpazhooh A, Fouad AF, Glickman GN, He J, Kim SG, Kishen A, **Letra AM**, Levin L, Setzer FC, Tay FR, Hargreaves KM. Insights into the November 2022 Issue of the JOE. *J Endod*. 2022 Nov;48(11):1349-1351.

Nagasawa MA, Formiga MD, Moraschini V, **Bertolini M**, Souza JG, Feres M, Figueiredo LC, Shibli JA. Do the progression of experimentally induced gingivitis and peri-implant mucositis present common features? A systematic review of clinical human studies. *Biofouling*. 2022 Sep 14;38(8):814-23.

**Vieira AR**, Barros MS, Soares MSM, Wanderley Lacerda RH. COMT rs4818 Less Common Allele is Associated with Psychological and Psychiatric Worse Indicators in a Cohort of Individuals Born with Cleft Lip and Palate. *Orthod Craniofac Res*. 2022 Oct 30.

de Souza LC, Neves GS, Kirkpatrick T, **Letra A**, **Silva R**. Physico-chemical and biological properties of AH Plus Bioceramic. *Journal of Endodontics*. 2023 Jan 1;49(1):69-76.

**Vijayan S**, **Shah N**, **Potluri A**. Digital intraoral imaging: analysis of retakes and reduction in radiation exposure using rectangular collimation. *General Dentistry*. 2022 Nov 1;70(6):66-70.

Kimble R, McLellan G, Lennon LT, Papacosta AO, **Weyant RJ**, Kapila Y, Mathers JC, Wannamathee SG, Whincup PH, Ramsay SE. Association between oral health markers and decline in muscle strength and physical performance in later life: longitudinal analyses of two prospective cohorts from the UK and the USA. *The Lancet Healthy Longevity*. 2022 Nov 1;3(11):e777-88.

**Burgette JM**, Trivedi AV, Dahl ZT, **Weyant RJ**, McNeil DW, Foxman B, **Marazita ML**. Mother's Experience of Conflict Within Their Family Social Network when Advocating for Children's oral Health. *Maternal and Child Health Journal*. 2022 Nov 9:1-7.

Carlson JC, Krishnan M, **Rosenthal SL**, Russell EM, Zhang JZ, Hawley NL, Moors J, Cheng H, Dalbeth N, de Zoysa JR, Watson H. A stop-gain variant in BTNL9 is associated with atherogenic lipid profiles. *Human Genetics and Genomics Advances*. 2023 Jan 12;4(1):100155.

Lisboa RO, Sekula RF, **Bezamat M**, Deeley K, Santana-da-Silva LC, **Vieira AR**. Pain perception genes, asthma, and oral health: A reverse genetics study. *PLoS One*. 2022 Nov 17;17(11):e0277036.

Awotoye W, Mossey PA, Hetmanski JB, Gowans IJJ, Eshete MA, Adeyemo WL, Alade A, Zeng E, Adamson O, James O, Fashina A, Ogunlewe MO, Naicker T, Adeleke C, Busch T, Li M, Petrin A, Oladayo A, Kayali S, Olotu J, Sule V, Hassan M, Pape J, Aladenika ET, Donkor P, Arthur FKN, Obiri-Yeboah S, Sabbah DK, Agbenorku P, Ray D, Plange-Rhule G, Oti AA, Albokhari D, Sobreira N, Dunnwald M, Beaty TH, Taub M, **Marazita ML**, Adeyemo AA, Murray JC, Butali A. Damaging Mutations in AFDN Contribute to Risk of Nonsyndromic Cleft Lip With or Without Cleft Palate. *Cleft Palate Craniofac J*. 2022 Nov 16:10556656221135926.

**Letra A**. Rethinking the Genetic Etiology of Nonsyndromic Tooth Agenesis. *Current Osteoporosis Reports*. 2022 Nov 15:1-9.

**Burgette JM**, Lu KC, Dahl ZT, **Weyant RJ**, McNeil DW, Foxman B, **Marazita ML**. Factors affecting maternal decision making about grandparents' cariogenic dietary choices for children: A qualitative study. *The Journal of the American Dental Association*. 2023 Feb 1;154(2):122-9.

Galindo-Moreno P, **Ravidà A**, Catena A, O' Valle F, Padiál-Molina M, Wang HL. *Clinical Oral Implants Research*. 2022 Dec;33(12):1224-32.

**Vieira AR**, de Castro RD. Brazilian Dentistry is Among the Best in the World. Is it True?. *Pesquisa Brasileira em Odontopediatria e Clínica Integrada*. 2022 Nov 24;22:e210222.

Aminoshariae A, Azarpazhooh A, Fouad AF, Glickman GN, He J, Kim SG, Kishen A, **Letra AM**, Levin L, Setzer FC, Tay FR. Insights into the December 2022 issue of the JOE. *Journal of Endodontics*. 2022 Dec 1;48(12):1455-7.

Aminoshariae A, Azarpazhooh A, Fouad AF, Glickman GN, He J, Kim SG, Kishen A, **Letra AM**, Levin L, Setzer FC, Tay FR, Hargreaves KM. Insights into the January 2023 Issue of the JOE. *J Endod*. 2023 Jan;49(1):1-3.

**Bertolini M**, Costa RC, Barão VA, Cunha Villar C, Retamal-Valdes B, Feres M, Silva Souza JG. Oral Microorganisms and Biofilms: New Insights to Defeat the Main Etiologic Factor of Oral Diseases. *Microorganisms*. 2022 Dec;10(12):2413.

Aminoshariae A, Azarpazhooh A, Fouad AF, Glickman GN, He J, Kim SG, Kishen A, **Letra AM**, Levin L, Setzer FC, Tay FR, Hargreaves KM. Insights into the February 2023 Issue of the JOE. *J Endod*. 2023 Feb 1;49(2):107-9.

**Clark D**, Radaic A, Kapila Y. Cellular Mechanisms of Inflammaging and Periodontal Disease. *Front. Dent. Med* 2022;3:844865.

Kim KC, Khouja T, **Burgette JM**, Evans CT, Calip GS, Gellad WF, Suda KJ. Trends in Dispensed Prescriptions for Opioids, Sedatives, Benzodiazepines, Gabapentin, and Stimulants to Children by General Dentists, 2012-2019. *Pharmacoepidemiology and Drug Safety*. 2022 Dec 27.

**Weinberg SM**. Objective assessment of tapering of the fingers in adults. *Plos one*. 2022 Dec 28;17(12):e0279202.

Kimble R, Papacosta AO, Lennon LT, Whincup PH, **Weyant RJ**, Mathers JC, Wannamethee SG, Ramsay SE. The Relationship of Oral Health With Progression of Physical Frailty Among Older Adults: A Longitudinal Study Composed of Two Cohorts of Older Adults From the United Kingdom and United States. *Journal of the American Medical Directors Association*. 2023 Apr 1;24(4):468-74.

**Ravidà A**, Samal A, Qazi M, Webber LP, Wang HL, Galindo-Moreno P, Borgnakke WS, Saleh MH. Interproximal implant thread exposure after initial bone remodeling as a risk indicator for peri-implantitis. *Journal of Periodontology*. 2022 Dec.

Miroshnychenko A, Ibrahim S, Azab M, Roldan Y, Martinez JP, Tamilselvan D, He L, Urquhart O, Tampi M, **Polk DE, Moore PA**, Hersh EV, Carrasco-Labra A, Brignardello-Petersen R. Injectable and topical local anesthetics for acute dental pain: 2 systematic reviews. *The Journal of the American Dental Association*. 2023 Jan 1;154(1):53-64.

**Bezamat M**. An updated review on the link between oral infections and atherosclerotic cardiovascular disease with focus on phenomics. *Frontiers in Physiology*. 2022 Dec 14;13:2628.

Miroshnychenko A, Ibrahim S, Azab M, Roldan Y, Martinez JP, Tamilselvan D, He L, Little JW, Urquhart O, Tampi M, **Polk DE, Moore PA**, Hersh EV, Claytor B, Carrasco-Labra A, Brignardello-Petersen R. Acute Postoperative Pain Due to Dental Extraction in the Adult Population: A Systematic Review and Network Meta-analysis. *Journal of Dental Research*. 2023 Apr;102(4):391-401.

Mulic A, **Vieira AR, Bezamat M**, Sovik JB, Sehic A, Tulek A. Association of locus Xq26. 1-27.3 with Erosive Tooth Wear Phenotypes in a Group of Adolescents. *Caries Research*. 2023 Jan 10.

Deshmukh R, Vasquez B, Bhogadi L, Gabe CM, Lukashova L, **Verdelis K**, Morasso MI, Beniash E. Elucidating the role of keratin 75 in enamel using Krt75tm1Der knock-in mouse model. *Frontiers in Physiology*. 2022 Dec 23;13:2664.

Owosho AA, Shasteen AM, Aguirre SE, **Summersgill KF**. Clinicopathologic Study of Sialadenoma Papilliferum of the Minor Salivary Glands: A Series of 8 New Cases With BRAF V600E Mutation-specific Immunohistochemical Analysis. *International Journal of Surgical Pathology*. 2023 Jan 11:10668969221147170.

Shen Z, **Letra A, Silva RM**. MicroRNAs markedly expressed in apical periodontitis cooperatively regulate cytokines and growth factors promoting an anti-inflammatory response. *Journal of Endodontics*. 2023 Mar 1;49(3):286-93.

Orlova E, Dudding T, Chernus JM, Alotaibi RN, Haworth S, Crout RJ, Lee MK, Mukhopadhyay N, Feingold E, Levy SM, McNeil DW, Foxman B, **Weyant RJ**, Timpson NJ, **Marazita ML**, Shaffer JR. Association of Early Childhood Caries with Bitter Taste Receptors: A Meta-Analysis of Genome-Wide Association Studies and Transcriptome-Wide Association Study. *Genes*. 2022 Dec 24;14(1):59.

Canullo L, Rakic M, Corvino E, Burton M, Krumbek JA, Chittoor Prem A, **Ravidà A**, Ignjatovic N, Sculean A, Menini M, Pesce P. Effect of argon plasma pre-treatment of healing abutments on peri-implant microbiome and soft tissue integration: a proof-of-concept randomized study. *BMC Oral Health*. 2023 Dec;23(1):1-4.

Basma HS, Saleh MH, Abou-Arroj RV, Imbrogno M, **Ravidà A**, Wang HL, Li P, Geurs N. Patient-reported outcomes of palatal donor site healing using four different wound dressing modalities following free epithelialized mucosal grafts: A four-arm randomized controlled clinical trial. *Journal of Periodontology*. 2023 Jan;94(1):88-97.

Bhaumik D, Wright CD, Marshall TA, Neiswanger K, McNeil DW, Jones AD, Shaffer JR, **Marazita ML**, Foxman B. Food Insecurity and Consumption of Cariogenic Foods in Mothers and Their Two-Year-Old Children in Appalachia. *J Public Health Dent.* 2023 Jan 25.

**Vieira AR.** 20 years of research into the aetiology of molar-incisor hypomineralization. *European Archives of Paediatric Dentistry.* 2023 Jan 24:1-2.

Bui AT, Lukashova L, **Verdelis K**, Vasquez B, Bhogadi L, Gabe CM, **Margolis H**, **Beniash E.** Identification of stages of amelogenesis in the continuously growing mandibular incisor of C57BL/6J male mice throughout life using molar teeth as landmarks. *Frontiers in Physiology*;14:193.

Fleming E, **Burgette J.** Equity, Diversity, and Inclusion Best Practices for Oral Health Researchers. *JDR Clinical & Translational Research.* 2023 Apr;8(2):110-2.

Strong A, Rao S, von Hardenberg S, Li D, Cox LL, Lee PC, Zhang LQ, Awotoye W, Diamond T, Gold J, Gooch C, Gowans IJJ, Hakonarson H, Hing A, Loomes K, Martin N, **Marazita ML**, Mononen T, Piccoli D, Pfundt R, Raskin S, Scherer SW, Sobriera N, Vaccaro C, Wang X, Watson D, Weksberg R, Bhoj E, Murray JC, Lidral AC, Butali A, Buckley MF, Roscioli T, Koolen DA, Seaver LH, Prows CA, Stottmann RW, Cox TC. A mutational hotspot in AMOTL1 defines a new syndrome of orofacial clefting, cardiac anomalies, and tall stature. *American Journal of Medical Genetics Part A.* 2023 May 1.

Mancinelli L, **Intini G.** Age-associated declining of the regeneration potential of skeletal stem/progenitor cells. *Frontiers in Physiology.* 2023 Feb 2;14:121.

**Burgette JM**, Randall CL, Neta G, Rindal DB, Ross AJ, Weiner BJ. Perspectives on the future of dissemination and implementation research in oral and craniofacial sciences. *Community Dentistry and Oral Epidemiology.* 2023 Feb 1;51(1):143-8.

Li W, Trbojevic S, Pineda-Farias JB, Liu X, Gold MS, **Almarza AJ.** Mandibular condylar process remodeling in rats with different bite-altering devices. *European Cells & Materials.* 2023 Feb 14;45:46-59.

Omstead KM, Williams J, **Weinberg SM**, **Marazita ML**, Burrows AM. Mammalian facial muscles contain muscle spindles. *The Anatomical Record.* 2023 Feb 17.

Miranda LF, Lima CV, Pagin R, Costa RC, Pereira MM, de Avila ED, **Bertolini M**, Retamal-Valdes B, Shibli JA, Feres M, Barão VA, Souza JGS. Effect of Processing Methods of Human Saliva on the Proteomic Profile and Protein-Mediated Biological Processes. *Journal of Proteome Research.* 2023 Feb 13;22(3):857-70.

Troiano G, Nibali L, Petsos H, Eickholz P, Saleh MH, Santamaria P, Jian J, Shi S, Meng H, Zhurakivska K, Wang HL, **Ravidà A.** Development and international validation of logistic regression and machine-learning models for the prediction of 10-year molar loss. *Journal of Clinical Periodontology.* 2023 Mar;50(3):348-357.

Siu TL, Dukka H, Saleh MH, Tattan M, Dib Z, **Ravidà A**, Greenwell H, Wang HL, Araujo MG. Flap versus flapless alveolar ridge preservation: A clinical and histological single-blinded, randomized controlled trial. *Journal of Periodontology.* 2023 Feb;94(2):184-92.

Basma HS, Saleh MH, Geurs NC, Li P, **Ravidà A**, Wang HL, Abou-Araj RV. The effect of bone particle size on the histomorphometric and clinical outcomes following lateral ridge augmentation procedures: A randomized double-blinded controlled trial. *Journal of Periodontology.* 2022 Aug 12.

Aminoshariae A, Azarpazhooh A, Fouad AF, Glickman GN, He J, Kim SG, Kishen A, **Letra AM**, Levin L, Setzer FC, Tay FR, Hargreaves KM. Insights into the March 2023 Issue of the JOE. *J Endod.* 2023 Mar;49(3):237-239.

Suda KJ, **Costello BJ**, Sutherland SE, Kalenderian E. RE: Maxillofacial Surgeons Beware: Some AHA "Moderate Risk" Patients Develop Endocarditis After Exodontia. *Journal of Oral and Maxillofacial Surgery.* 2023 Mar 1;81(3):261.

Saleh MH, Urban IA, Alrmali A, **Ravidà A.** Papilla reconstruction using a vertical interproximal tunnel approach. *International Journal of Oral Implantology* (Berlin, Germany). 2023 Mar 1;16(1):55-64.

Barausse C, **Ravidà A**, Bonifazi L, Pistilli R, Saleh MH, Gasparro R, Sammartino G, Wang HL, Felice P. Extra-short (4-mm) implants placed after regenerative failures in the posterior atrophic mandible: A retrospective study. *International Journal of Oral Implantology* (Berlin, Germany). 2023 Mar 1;16(1):31-8.

Wilke F, Herrick N, Matthews H, Hoskens H, Singh S, Shaffer JR, **Weinberg SM**, Shriver MD, Claes P, Walsh S. Exploring regional aspects of 3D facial variation within European individuals. *Scientific Reports.* 2023 Mar 6;13(1):3708.

Kello E, **Vieira AR**, Rivas-Tumanyan S, Campos-Rivera M, Martinez-Gonzalez KG, Buxó CJ, Morou-Bermúdez E. Pre-and peri-natal hurricane exposure alters DNA methylation patterns in children. *Scientific Reports*. 2023 Mar 8;13(1):3875.

Zou T, Foxman B, McNeil DW, **Weinberg SM**, **Marazita ML**, Shaffer JR. Genome-Wide Analysis of Dental Caries Variability Reveals Genotype-by-Environment Interactions. *Genes*. 2023 Mar 17;14(3):736.

**Vieira AR**, Sekula RF and Deeley K. Classical trigeminal neuralgia is associated with gephyrin and sodium voltage-gated channel alpha subunit 8. *Front. Dent. Med.* 2023; 3:988094.

Matthews HS, Mahdi S, Penington AJ, **Marazita ML**, Shaffer JR, Walsh S, Shriver MD, Claes P, **Weinberg SM**. Using data-driven phenotyping to investigate the impact of sex on 3D human facial surface morphology. *Journal of Anatomy*. 2023 Mar 21.

Aminoshariae A, Azarpazhooh A, Fouad AF, Glickman GN, He J, Kim SG, Kishen A, **Letra AM**, Levin L, Setzer FC, Tay FR, Hargreaves KM. Insights into the April 2023 Issue of the Journal of Endodontics. *Journal of Endodontics*. 2023 Apr 1;49(4):351-3.

Petrin AL, Zeng E, Thomas MA, Moretti-Ferreira D, **Marazita ML**, Xie XJ, Murray JC, Moreno-Urbe LM. DNA methylation differences in monozygotic twins with Van der Woude syndrome. *Frontiers in Dental Medicine*. 2023 Feb 17;4:1120948.

Kantaputra PN, Tripuwabhut K, Anthonappa RP, Chintakanon K, Ngamphiw C, Adisornkanj P, Portrakulseree N, Olsen B, Intachai W, Hennekam RC, **Vieira AR**, Tongsima S. Heterozygous Variants in *FREM2* Are Associated with Mesiodens, Supernumerary Teeth, Oral Exostoses, and Odontomas. *Diagnostics*. 2023 Mar 23;13(7):1214.

Bohnhoff JC, Xue L, Hollander MA, **Burgette JM**, Cole ES, Ray KN, Donohue J, Roberts ET. Healthcare Utilization Among Children Receiving Permanent Supportive Housing. *Pediatrics*. 2023 Apr 1;151(4):e2022059833.

**Rody Jr WJ**, Reuter NG, Brooks SE, Hammadi LI, Macey LM, Cagmat JG, Garrett TJ, Holliday LS. Metabolomic Signatures Distinguish Extracellular Vesicles from Osteoclasts and Odontoclasts. *Orthod Craniofac Res*. 2023 Mar 30.

Ni J, Khalid A, Lin YC, Barakat MT, Wang J, Tsai CY, Azar PR, Ding Y, Murayi JA, **Jayaraman T**, Poropatich R, Bottino R, Wen L, Papachristou GI, Swaminathan G, Yu M, Husain SZ. Preclinical safety evaluation of calcineurin inhibitors delivered through an intraductal route to prevent post-ERCP pancreatitis demonstrates endocrine and systemic safety. **Pancreatology**. 2023 Jun 1;23(4):333-40.

Ribeiro AD, **Modesto Vieira A**. Women in Pediatric Dentistry Research: Are We There Yet?. *Frontiers in Dental Medicine*. 2023 Mar 30;4:1172902.

Aldawood ZA, Mancinelli L, Geng X, Yeh SC, Di Carlo R, C. Leite T, Gustafson J, Wilk K, Yozgatian J, Garakani S, Bassir SH, Cunningham ML, Lin CP, **Intini G**. Expansion of the sagittal suture induces proliferation of skeletal stem cells and sustains endogenous calvarial bone regeneration. *Proceedings of the National Academy of Sciences*. 2023 Apr 18;120(16):e2120826120.

**Vijayan S**, Velankiwar G, **Potluri A**, **Bilodeau EA**. A rare primordial odontogenic tumor in a pediatric patient. *General Dentistry*. 2023 May 1;71(3):36-9.

Abdo VL, Suarez L, de Paula LG, Costa RC, Shibli J, Feres M, Barao VA, **Bertolini M**, Souza JG. Underestimated microbial infection of resorbable membranes on guided regeneration. *Colloids and Surfaces B: Biointerfaces*. 2023 Apr 13:113318.

Miroshnychenko A, Azab M, Ibrahim S, Roldan Y, Martinez JP, Tamilselvan D, He L, Urquhart O, Tampi M, **Polk DE**, **Moore PA**, Hersh EV, Carrasco-Labra A, Brignardello-Petersen R. Analgesics for the management of acute dental pain in the pediatric population: A systematic review and meta-analysis. *The Journal of the American Dental Association*. 2023 May 1;154(5):403-16.

**Schwartz PJ**. Patient Safety at Forefront of OMS Anesthesia Delivery. *Delaware Journal of Public Health*. 2023 Apr;9(1):58.

Aminoshariae A, Azarpazhooh A, Fouad AF, Glickman GN, He J, Kim SG, Kishen A, **Letra AM**, Levin L, Setzer FC, Tay FR, Hargreaves KM. Insights Into the May 2023 Issue of the JOE. *Journal of Endodontics*. 2023 May 1;49(5):459-61.

Saleh MH, Tattan M, Troiano G, Dukka H, **Ravidà A**, Levine R, Wang HL, Miller PD. Periodontal risk score: Initiation and model validation for 6,762 teeth. *Journal of Periodontology*. 2023 Apr;94(4):459-466.

Aminoshariae A, Azarpazhooh A, Fouad AF, Glickman GN, He J, Kim SG, Kishen A, **Letra AM**, Levin L, Setzer FC, Tay FR, Hargreaves KM. Insights into the June 2023 Issue of the JOE. *J Endod*. 2023 Jun;49(6):619-621.

Li MJ, Kumari P, Lin YS, Yao ML, Zhang BH, Yin B, Duan SJ, Cornell RA, **Marazita ML**, Shi B, Jia ZL. A Variant in the *IRF6* Promoter Associated with the Risk for Orofacial Clefting. *Journal of Dental Research*. 2023 Jul;102(7):806-13.

Francio J, das Neves GT, Souza LC, Carneiro E, **Silva RM**, **Letra A**. Expression of chronic pain genes in apical periodontitis tissues. *International Endodontic Journal*. 2023 May 14.

Cho HN, de Souza LC, Johnson C, Klein JR, Kirkpatrick TC, **Silva R, Letra A**. Differentially expressed genes in dental pulp tissues of individuals with symptomatic irreversible pulpitis with and without history of COVID-19. *Journal of Endodontics*. 2023 May 12.

**Summersgill KF**. Pediatric Oral Pathology: Odontogenic Cysts. *Pediatr Dev Pathol*. 2023 May 22:10935266231176245.

Liu Y, Housley Smith M, Patel PB, **Bilodeau EA**. Pediatric Gnathic Bony and Mesenchymal Tumors. *Pediatric and Developmental Pathology*. 2023 May 26:10935266231170744.

Malheiros SS, Nagay BE, **Bertolini MM**, de Avila ED, Shibli JA, Souza JG, Barão VA. Biomaterial engineering surface to control polymicrobial dental implant-related infections: focusing on disease modulating factors and coatings development. *Expert Review of Medical Devices*. 2023 May 29:1-17.

Romano L, Paolantonio M, De Ninis P, Saleh MH, Sinjari B, Xhajanka E, Femminella B, Wang HL, **Ravidá A**. Minimally invasive gingival phenotype modification in gingival recession associated with a non-carious cervical lesion using the root plastique technique (RPT): A quasi experimental one-group pretest-posttest study. *J Periodontol*. 2023 May;94(5):641-651.

Tartari T, Wichnieski C, **Silva RM, Letra A**, Duarte MA, Bramante CM. Final irrigation protocols can be used to promote stable long-term bond strength of AH Plus to dentin. *Journal of Applied Oral Science*. 2023 May 26;31:e20230005.

Keeper JH, Kibbe UJ, Thakkar-Samtani M, Heaton UJ, Desrosiers C, Vela K, Amaechi BT, Jablonski-Momeni A, Young DA, MacLean J, **Weyant RJ**, Zandona AF, Sohn W, Pitts N, Frantsve-Hawley J. Systematic review and meta-analysis on the effect of self-assembling peptide P11-4 on arrest, cavitation, and progression of initial caries lesions. *The Journal of the American Dental Association*. 2023 May 26.

Veras EL, Castro dos Santos N, Souza JG, Figueiredo LC, Retamal-Valdes B, Barão VA, Shibli J, **Bertolini M**, Faveri M, Teles F, Duarte P, Feres M. Newly identified pathogens in periodontitis: evidence from an association and an elimination study. *Journal of Oral Microbiology*. 2023 May 27;15(1):2213111.

**Vieira AR**. The Challenges of the Present Rooted in the Past. *Journal of Dental Research*. 2023 Jun 7:00220345231175470.

**Bertolini M, Clark D**. Periodontal disease as a model to study chronic inflammation in aging. *GeroScience*. 2023 Jun 7:1-5.

Aminoshariae A, Azarpazhooh A, Fouad AF, Glickman GN, He J, Kim SG, Kishen A, **Letra AM**, Levin L, Setzer FC, Tay FR, Hargreaves KM. Insights into the July 2023 Issue of the JOE. *J Endod*. 2023 Jun 6:S0099-2399(23)00294-7.

Lacerda RHW, **Vieira AR**. Dental Anomalies and Genetic Polymorphisms as Predictors of Maxillofacial Growth in Individuals Born with Cleft Lip and Palate. *J Dent Res*. 2023 Jun 12:220345231169915.

Perez KK, Curtis SW, Sanchis-Juan A, Zhao X, Head T, Ho S, Carter B, McHenry T, Bishop MR, Valencia-Ramirez LC, Restrepo C, Hecht JT, Uribe LM, Wehby G, **Weinberg SM**, Beaty TH, Murray JC, Feingold E, **Marazita ML**, Cutler DJ, Epstein MP, Brand H, Leslie EJ. Rare variants found in clinical gene panels illuminate the genetic and allelic architecture of orofacial clefting. *Genetics in Medicine*. 2023 Jun 15:100918.

da Silva FM, de Carvalho FM, Franco AL, Soares TR, Fonseca-Gonçalves A, **Vieira AR**, de Almeida Neves A, de Castro Costa M. Association between molar hypomineralization, genes involved in enamel development, and medication in early childhood: A preliminary study. *International Journal of Paediatric Dentistry*. 2023 Jun 20.

Guabello G, Zuffetti F, **Ravidá A**, Deflorian M, Carta G, Saleh MH, Serroni M, Pommer B, Watzek G, Francetti L, Testori T. Avoiding implant-related complications in medically compromised patients with or without unhealthy lifestyle/ Elevated oxidative stress. *Periodontology 2000*. 2023 Jun 23.

Aminoshariae A, Azarpazhooh A, Fouad AF, Glickman GN, He J, Kim SG, Kishen A, **Letra AM**, Levin L, Setzer FC, Tay FR, Hargreaves KM. Insights into the August 2023 Issue of the JOE. *J Endod*. 2023 Jun 30:S0099-2399(23)00387-4.

Abt E, **Weyant RJ**, Frantsve-Hawley J, Carrasco-Labra A. The potential harm of not following clinical practice guideline recommendations. *The Journal of the American Dental Association*. 2023 Jun 27.

Asa'ad F, Petrenya N, Jönsson B, Holde GE, Oscarson N, Hadler-Olsen E, **Vieira AR**, Petzold M, Larsson L. Polymorphism in epigenetic regulating genes in relation to periodontitis, number of teeth, and levels of high-sensitivity C-reactive protein and glycated hemoglobin: The Tromsø Study 2015-2016. *Journal of Periodontology*. 2023.

Feres M, Martins R, Souza JG, **Bertolini M**, Barão VA, Shibli JA. Unraveling the effectiveness of antibiotics for peri-implantitis treatment: A scoping review. *Clinical Implant Dentistry and Related Research*. 2023 Jun 29.

Blostein F, Zou T, Bhaumik D, Salzman E, Bakulski KM, Shaffer JR, **Marazita ML**, Foxman B. Bacterial Community Modifies Host Genetics Effect on Early Childhood Caries. *J Dent Res*. 2023 Jul 3:220345231175356. Epub ahead of print.