



*“Science is the process that takes us from confusion to understanding in a manner that’s precise, predictive and reliable.” ~Brian Greene*

## Publications

Akbar S [student], **Keane J**, **Goldstein LB**. [The comparative effectiveness of vagal nerve stimulation and occipital nerve stimulation in the treatment of chronic migraine](#). J Clin Res Clin Trials. 2025;4(2).

Alanazi KK, Alzaid AA, Althubaitiy RO, AlHelal AA, **Fernandes GVO**. [Three-dimensional printing technologies, techniques, and materials currently used dentistry: a comprehensive review](#). Int J Innov Res Sci Stud. 2025;8(1):2331-2345.

Alanazi MS, **Degenhardt B**, **Kelley-Franklin G**, Cox JM, Lipke L, Reed WR. [Neuromuscular response to high-velocity, low-amplitude spinal manipulation: an overview](#). Medicina (Kaunas). 2025;61(2):187.

Barker TH, McBride GM, Ross-White A, Pollock D, Stern C, Hasanoff S, ... Palmieri P [adjunct], et al. [Tools, techniques, methods, and processes for the detection and mitigation of fraudulent or erroneous data in evidence synthesis: a scoping review protocol](#). JBI Evid Synth. 2025;23(3):536-545.

Belasla S, Castro F, Dipalma G, Inchingolo AM, Vizanski A, Fernandes JCH, **Fernandes GVO**. [Resective surgical treatment of peri-implantitis: an integrative review](#). Oral Implantol (Rome). 2025;17(1):50-59.

Bustamante EE, Hornbuckle LM, **Huxel Bliven KC**, Keith NR. [2025 At the intersection of DEI and sport rehabilitation](#). J Sport Rehabil. 2025;34(1):1-3.

Buterbaugh A [student]. [Strengthening the multiple-choice assessment: improving item-writing skills of physician assistant educators](#). J Physician Assist Educ. 2025;36(1):e49-e53.

Butler LS, DiSanti JS, Janosky JJ, Chung JS, Russomano JF, Black AM, ... **Valovich McLeod TC**. [Examining the impact of an education intervention on parents’ perceptions of sport specialization](#). Internet J Allied Health Sci Pract. 2025;23(1):22.

Cevetello A, Rasmussen JL, Sudhakar H, Shindler S, Yim R [student], Hasan R [student], et al. [Literature review of postoperative distal radius fracture immobilization recommendations](#). Cureus. 2025;17(2):e78349.

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Chandra S [student], Moza M [student], **Hubbard R**, Bishop M. [Aggressive management of pulmonary mucormycosis necrotizing fasciitis in a post-liver transplant patient](#). Cureus. 2025;17(2):e78649.

Chen R, Zhang D, Chaudhary AA, Khan S, Vohra S, Vohra Y [student], et al. [Deciphering the \*Withania somnifera\* alkaloids potential for cure of neurodegenerative disease: an in-silico study](#). AMB Express. 2025;15:29.

Choi A [alum], **Park JH**, **Bay C**, Chae JM. [Evaluation of condyle–fossa relationships in adults with various skeletal patterns using cone-beam computed tomography](#). Appl Sci (Basel). 2025;15(2):944.

Cook CE, Abraira VE, Burns J, **Degenhardt BF**, Kawchuk G, Keter D, et al. [Categorizing treatment mechanisms for complementary and integrative musculoskeletal interventions](#). Int J Osteopath Med. 2025;55:100749.

Crockett RJ [adjunct], Parikh V, Ahn B, Yao CHD. [Use of a dual-purpose implant scan body to obtain both digital and analog records for complete arch fixed implant restorations](#). J Prosthet Dent. 2025;133(1):36-42.

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Daguio K [student], Jackson K, Zadron S, **Keane J**, **Goldstein LB**. [The dystopian divide: AI versus anesthesiologists in the era of high-stakes medicine](#). World J Health Med. 2025;3(1):20-25.

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Dille M [student], **Cramberg M**, DeLeeuw H [student], Pick E [student], Thompson M [student], **Young BA**. [On the fila olfactoria and the cribriform region of the Crocodylia](#). J Morphol. 2025;286(2):e70036.

Elmore J [student], **Keane J**, **Goldstein LB**. [Pregnancy and lactation: a lifespan perspective on maternal cardiovascular health and risk](#). J Clin Case Rep Stud. 2025;6(1).

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**Fernandes GVO**, Akman AC, Hakki SS. [Periodontal therapy for hopeless mandibular anterior teeth: a retrospective case report with a multidisciplinary approach and a 20-year follow-up](#). Rev Flum Odontol. 2025;1(66):1-11.

**Fernandes GVO**, Fernandes JCH, Castilho RM. [Epigenetic modifications as a biomarker for periodontitis and peri-implantitis: a review](#). Oral Implantol (Rome). 2025;17(1):5-8.

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## **Publications, continued**

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Gulati A [student], Alowami M, **Keane J, Goldstein LB**. [Enhancing awareness and education of acral lentiginous melanoma in at-risk communities](#). J Clin Res Clin Trials. 2025;4(2).

Hammond Y [student], Maranga M, **Goldstein LB**. [The effectiveness of minimally invasive endodontic techniques with respect to patient outcomes](#). EC Dent Sci. 2025;24(3):1-8.

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Heidari F, Heboyan A, Rokaya D, **Fernandes GVO**, Heidari M, Banakar M, et al. [Postbiotics and dental caries: a systematic review](#). Clin Exp Dent Res. 2025;11(1):e70114.

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Marshall K [alum], Chimera NJ, **Valovich McLeod T**. [Influence of sport specialization on quality of life, physical literacy, and injury history in hockey players](#). Int J Athl Ther Train. 2025;30(2):109-126.

Meeke SD [student], **Weemer MM**. [Diabetes medication prescribing trends based on provider type and location in the United States](#). Prev Med Rep. 2025;49:102947.

## **Publications, continued**

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Megafu M [alum], Guerrero O [student], Yendluri A, Uwefoh M, Li X, Kocher MS, et al. [The lack of reporting social determinants of health in pediatric orthopaedic randomized controlled trials](#). J Pediatr Orthop. 2025;45(1):22-27.

**Muller R, Fernandes GVO**. [Navigating furcation: a guide for an accurate assessment](#). J Basic Clin Dent. 2025;2(1):1-12.

Newhouse-Bailey ME, Ayars CL [adjunct]. [Childbirth educators' attitudes toward implicit bias and intention to self-monitor behavior](#). J Perinat Educ. 2025;34(1):27-38.

Obisesan O [adjunct], Tymkew H, Gilmore R, Brougham N, Dodd E. [Beyond the bedside: decoding patient profiles for smarter virtual patient observation](#). J Nurs Care Qual. 2025;40(1):84-89.

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**Park JH**, Choi TH, Jang MJ, Kim SY, Lee NK. [Treatment effects of modified miniscrew-assisted rapid palatal expander and rapid palatal expander for molar distalization](#). Angle Orthod. 2025;95(2):157-165.

**Park JH**, Hernandez-Orsini R, Rossouw PE, Puntillo AM, Rejman DJ, Vishwanath M, et al. [The American Board of Orthodontics: scenario-based clinical examination development and preparation](#). AJO DO Clin Companion. 2025;5(1):6-14.

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Peterson S [adjunct], Halpert B, Heick JD. [What do patients with lumbar spinal stenosis think is physical therapy's best card? A survey of perceived message strength](#). J Man Manip Ther. 2025;33(2):142-148.

Renner MN, **Lam KC**, Srygler EC, Adler SN, Chambers JS, Bell DR. [Factors that impact time to athletic trainer evaluation following acute injury among secondary school athletes: a report from the Athletic Training Practice-Based Research Network](#). J Athl Train. 2025;60(1):29-33.

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## **Publications, continued**

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**Shearon TL, Alexander JL.** [Urinary incontinence and quality of life: a cross-sectional study](#). OTJR (Thorofare N J). 2025;45(1):105-112.

Shibli JA, Naddeo V, Cotrim KC, Kalil EC, de Avila ED, Faot F, ... **Fernandes GVO.** [Osteoporosis' effects on dental implants osseointegration and survival rate: a systematic review of clinical studies](#). Quintessence Int. 2025;56(3):206-216.

**Skinner K,** Burns E, Brann B [alum], McMahon D [alum], Weiss TN [alum], **Palmer E.** [Investigation of presentation levels for optimal use of NU-6 ordered by difficulty version II word lists](#). Am J Audiol. 2025;34(1):171-178.

Smet N, **Andrion JJ.** [Amplifying silenced voices: a critical reflection on challenges facing occupational therapy academics with multiple minoritized identities](#). Am J Occup Ther. 2025;79(2):7902347010.

Solano L [adjunct]. [Evidence-based treatment approaches for adolescent electronic cigarette use](#). JAAPA. 2025;38(3):22-29.

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Traylor DO [adjunct], Kern KV, **Anderson EE,** Henderson R. [Beyond the screen: the impact of generative artificial intelligence \(AI\) on patient learning and the patient-physician relationship](#). Cureus. 2025;17(1):e76825.

Uzeda MJ, Silva AM, Costa LN, Brito FS, **Fernandes GVO,** Resende RF. [Evaluating the effectiveness of low-level laser therapy in patients undergoing lower third molar extraction: a double-blind randomized controlled trial](#). Med Oral Patol Oral Cir Bucal. 2025;30(1):e129-e134.

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White DR [alum], Palmieri PA [adjunct], Huaman-Morillo SR, White TA, Hickey EW. ["The whole culture of nursing needs to change": a descriptive phenomenology of nurses being bullied](#). Glob Qual Nurs Res. 2025;12.

Zandinejad A, **Nasiry Khanlar L,** Barmak AB, Ikeda M, Tagami J, Masri R. [Shear bond strength of porcelain to milled and stereolithography additively manufactured zirconia with and without surface treatment: an in vitro study](#). J Prosthet Dent. 2025;133(1):273-279.

## Presentations and abstracts

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Acosta A, Bisson B, Park A, **Barragan B**, Arakelian M, Lee S, et al. Neural aging effects in American English monolinguals and Spanish-English bilinguals. Poster presented at: American Academy of Audiology 2025 Annual Conference; March 26-29, 2025; New Orleans, LA.

**Andrion J**. Make it wrinkle-free: the oppressed faces of transnational physiotherapists in Ontario. Presented at: Ontario Physiotherapy Association InterACTION 2025; March 21-22, 2025; Toronto, Canada.

**Andrion J**, Dill M [student], Fabrick J [student]. Intentional or incidental? A case study of a DPT student's perspectives on global health. Presented at: 50th Annual American Physical Therapy Association Combined Sections Meeting; February 13-15, 2025; Houston, TX.

**Andrion J, Roehling T**, Mateo F [student], De Mesa K [student]. Learning but not migrating: exploring the experiences of non-US based PTs who completed the DPT program in an American university. Presented at: 50th Annual American Physical Therapy Association Combined Sections Meeting; February 13-15, 2025; Houston, TX.

**Bordenave E, Bordenave L**. Health professions students' knowledge of caregivers and caregiving. Poster presented at: 50th Annual American Physical Therapy Association Combined Sections Meeting; February 13-15, 2025; Houston, TX.

Braxley BS, David HM, **Fay DR**. Get in the game! How physical therapists and athletes can get involved in adaptive sports. Presented at: 50th Annual American Physical Therapy Association Combined Sections Meeting; February 13-15, 2025; Houston, TX.

Bromfman M, Vetter ZA, **Miller B III**. Computational discovery of a small molecule inhibitor of the c-Myb/KIX complex as a potential treatment for AML. Poster presented at: American Chemical Society Spring 2025 Meeting; March 23-27, 2025; San Diego, CA.

Butcher E [student], **Spolarich A, Venkatesh M**, Lind E [student]. The impact of removable orthodontic appliances on speech production in young adults. Poster presented at: 37th Annual Special Care Dentistry Association Conference; March 20-23, 2025; Orlando, FL.

Chen CW, **Miller B III**. Investigating polyphenols as aggregation inhibitors of amyloid beta in silico relating to Alzheimer's disease. Poster presented at: American Chemical Society Spring 2025 Meeting; March 23-27, 2025; San Diego, CA.

**Doublestein D**, Hunley J, Campione E. Current evidence on patient precautions for reducing breast cancer-related lymphedema manifestation and progression risks. Poster presented at: 50th Annual American Physical Therapy Association Combined Sections Meeting; February 13-15, 2025; Houston, TX.

**Duong ML**, Caputo A [adjunct]. Providing quality dental treatment for patients with intellectual and developmental disabilities in a dental school setting. Poster presented at: 37th Annual Special Care Dentistry Association Conference; March 20-23, 2025; Orlando, FL.

**El-Gendy T**, Leary K, Salter R, Khera D, Chiang HK, Semprum-Clavier A, Spears RD. Understanding faculty wellness resources and their utilization at US dental schools. Presented at: ADEA Leadership Institute at the 2025 American Dental Education Association Annual Session; March 8-11, 2025; National Harbor, MD.

## **Presentations and abstracts, continued**

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Garcia N, Quick K, **Brady M**, Lopez AN. Empowering leaders: embracing vulnerability and authentic branding. Presented at: 2025 American Dental Education Association Annual Session; March 8-11, 2025; National Harbor, MD.

Gebreegziabher M, **Miller B III**. Targeted inhibition of protein-tyrosine phosphatase receptor type R (PTPRR) using computational methods. Poster presented at: American Chemical Society Spring 2025 Meeting; March 23-27, 2025; San Diego, CA.

Groth G [student], **Spolarich A**. Impact of comorbid health disorders on oral health behaviors. Poster presented at: 54th Annual Meeting of the American Association for Dental, Oral, and Craniofacial Research; March 12-15, 2025; New York, NY. Abstract published in: J Dent Res. 2025;104(special issue B):abstract 1170.

Hasan S [student], Patel J [student], **Duong ML**. Botox for management of sialorrhea in patients with CP: attitudes and perceptions of dentists. Poster presented at: 37th Annual Special Care Dentistry Association Conference; March 20-23, 2025; Orlando, FL.

Kebede D, **Miller B III**. Developing novel inhibitors for striatal enriched tyrosine phosphate using computational methods. Poster presented at: American Chemical Society Spring 2025 Meeting; March 23-27, 2025; San Diego, CA.

Kelcho K [student], Moscrip A [student], **Barragan B**. Effect of tongue and lip restriction on auditory processing in bilinguals. Poster presented at: California Speech Language Hearing Association Convergence 2025; March 13-16, 2025; Pasadena, CA.

Koki C, **Manton C**, **Andrion J**, **Picha K**. Physical therapists' perceptions of social determinants of health when working with athletic populations. Poster presented at: 50th Annual American Physical Therapy Association Combined Sections Meeting; February 13-15, 2025; Houston, TX.

Kunkel L, Thornton E, Hankemeier D, **Valovich McLeod TC**, Manspeaker S, Whitelaw G, et al. Athletic trainers in the interprofessional sport-related concussion management team. Poster presented at: 2025 National Academies of Practice Annual Meeting; March 13-15, 2025; Washington, DC.

Lee H [student], **Spolarich A**, Wasden M [adjunct], Karlin S, Creech J [adjunct], **Sotello S**. Assessing BMI and risk for hypertension in pediatric dental patients. Poster presented at: 54th Annual Meeting of the American Association for Dental, Oral, and Craniofacial Research; March 12-15, 2025; New York, NY. Abstract published in: J Dent Res. 2025;104(special issue B):abstract 0388.

Lurch S, **Andrion J**. Whose space is this? Movement, memories, and the politics of space. Presented at: Ontario Physiotherapy Association InterACTION 2025; March 21-22, 2025; Toronto, Canada.

McSweeney C [student], **Canterbury C**, **Shackelford A**, **Spolarich A**. Oral nicotine pouches: histology of oral mucosa with chronic use. Presented at: 54th Annual Meeting of the American Association for Dental, Oral, and Craniofacial Research; March 12-15, 2025; New York, NY. Abstract published in: J Dent Res. 2025;104(special issue B):abstract 0736.

Morris M, McNeilly HB, Tuazon S, **Michaels VG**. Leveraging electronic health records to integrate social determinants of health training in dental practice. Presented at: 2025 American Dental Education Association Annual Session; March 8-11, 2025; National Harbor, MD.

## **Presentations and abstracts, continued**

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Nelson J [student], **Fick J**. Institutional special needs plans (I-SNPs) and organizational performance: a systematic literature review. Presented at: Michigan Academy of Science, Arts, and Letters 2025 Annual Conference; February 28, 2025; Alma, MI.

**Oladayo AM**, Sule V, Oshodi Y, Adekunle AA, Adeyemo WL, Ogunlewe O, et al. Psychosocial impacts of cleft caregiving: insights from genome sequencing. Poster presented at: 2025 AADOCR/CADR Annual Meeting; March 12-15, 2025; New York, NY.

**Omar H**, Bilal S, Shabayek M, Elwazeer S, Gonzalez-Vicker J. Advances in teaching evidence-based dentistry: empowering tomorrow's practitioners. Presented at: 2025 American Dental Education Association Annual Session; March 8-11, 2025; National Harbor, MD.

O'Neill K, Thomas K [adjunct], Ali A. The state of chronic disease management and solutions to impact equitable and evidence-based care. Presented at: American College of Healthcare Executives 2025 Congress on Healthcare Leadership; March 24-27, 2025; Houston, TX.

**Park JH**. Class II correction with TADs and clear aligners. Presented at: 2025 Edward H. Angle Society, Northwest Component Annual Meeting; February 6-9, 2025; Portland, OR.

**Picha K**, Koki C, **Manton C**, **Andrion J**. Physical therapists' preparedness to address social determinants of health in athletic patient populations. Poster presented at: 50th Annual American Physical Therapy Association Combined Sections Meeting; February 13-15, 2025; Houston, TX.

**Robinson C**, **Bordenave L**, Wilkinson T [alum], **Parker S**. The experience of difficult conversations in physical therapy: a focus group. Poster presented at: 50th Annual American Physical Therapy Association Combined Sections Meeting; February 13-15, 2025; Houston, TX.

**Shlossman M**, Andrade J [student], **Kumar S**, **Spolarich A**. AI improves dental students' ability to estimate radiographic bone loss. Poster presented at: 54th Annual Meeting of the American Association for Dental, Oral, and Craniofacial Research; March 12-15, 2025; New York, NY. Abstract published in: J Dent Res. 2025;104(special issue B):abstract 0562.

Smith R [adjunct], **Dishman L**, **Fick J**, Thomas K [adjunct]. What is the relationship between surgeons' burnout and surgical physician associates' wellness in United States hospitals and ambulatory surgery centers? Presented at: Michigan Academy of Science, Arts, and Letters 2025 Annual Conference; February 28, 2025; Alma, MI.

**Spolarich A**. Representation in research: ensuring inclusion of people with disabilities. Presented virtually at: International Association for Dental Research Scientific Research Webinar; January 15, 2025.

**Spolarich A**. Using telehealth connected teams to facilitate patient care. Presented at: Monitoring Oral Health Remotely Scientific Symposium at the 54th Annual Meeting of the American Association for Dental, Oral, and Craniofacial Research; March 12-15, 2025; New York, NY.

Stadler AF, Kistler D, Menon RS, Islamoglu H, Mashkoor F, **Shackelford AJ**. How are entrustable professional activities (EPSs) shaping the future of US dental education. Presented at: 2025 American Dental Education Association Annual Session; March 8-11, 2025; National Harbor, MD.

Sweeney M, **Miller B III**. Computational development of selective HePTP inhibitors as novel acute myeloid leukemia treatment. Poster presented at: American Chemical Society Spring 2025 Meeting; March 23-27, 2025; San Diego, CA.



## **Presentations and abstracts, continued**

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Thompson E, **Miller B III**. Analyzing protein structure to understand molecular consequences that contribute to KCNQ2 developmental and epileptic encephalopathy. Poster presented at: American Chemical Society Spring 2025 Meeting; March 23-27, 2025; San Diego, CA.

Wilbers J [adjunct], **Dishman L, Fick J**. The perceptions of hospital administrators on quality of care and other factors as an antecedent to patient satisfaction in US inpatient acute care hospitals. Presented at: Michigan Academy of Science, Arts, and Letters 2025 Annual Conference; February 28, 2025; Alma, MI.

Zaborowski K, **Miller B III**. Computational investigation of the effects polyphenol drugs have on inhibition of amyloid beta aggregates in association with Alzheimer's disease. Poster presented at: American Chemical Society Spring 2025 Meeting; March 23-27, 2025; San Diego, CA.

Zagarri I, **Miller B III**. Analyzing structural changes in the factor V Leiden mutation using computational methods to determine a specific treatment for preventing blood clot disorders. Poster presented at: American Chemical Society Spring 2025 Meeting; March 23-27, 2025; San Diego, CA.

Zheng MS, Surti B, **Tomeh H**, Abshier W. Institutions' strategies and protocols to promote effective and ethical uses of generative AI technology. Presented at: 2025 American Dental Education Association Annual Session; March 8-11, 2025; National Harbor, MD.

## **Sorry we missed you last time**

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Ahluwalia T [student], Xu X [student], Nelson A [student], Gujral I [student], Okafor J [student], Hubbard MR. [A narrative review of old and emerging treatment modalities for substance use disorders](#). *Cureus*. 2024;16(12):e75395.

Babar M, Aslam B, Faisal MN, Malik A, **Akhtar S**, Fatima S, et al. [Phytochemical characterization and anti-arthritic potential of green-synthesized CuO nanoparticles derived from the \*Bistorta amplexicaulis\* root extract](#). *Front Pharmacol*. 2024;15:1474592.

Balestriere L, Fiore A, Cardarelli F, Sguera N, Memè L, Bambini F, ... **Fernandes GVO**, et al. [Oral manifestations of human papillomavirus: review of the literature](#). *Oral Implantol (Rome)*. 2024;16(3 suppl 1):S307-S321.

Bonazelli E [adjunct], **Dishman L, Fick J**. A mixed-method investigation into the relationship between United States hospital executives' leadership competencies and their organizations' value-based purchasing performance. *Mich Acad*. 2024;49(1):44.

Carone C, Lauria P, Cardarelli F, Del Vecchio M, Memè L, Bambini F, **Fernandes GVO**, et al. [Advancing the clinical use of zirconia dental implants: a comprehensive review of outcomes, innovations and challenges](#). *Oral Implantol (Rome)*. 2024;16(3 suppl 1):S190-S203.

Casamassima L, Ciccarese D, Cardarelli F, Sguera N, Memè L, Bambini F, ... **Fernandes GVO**, et al. [Anticoagulant therapy: challenges and approaches in managing bleeding risks during dental procedures](#). *Oral Implantol (Rome)*. 2024;16(3 suppl 1):S288-S306.

## Sorry we missed you last time, continued

Chen D [student], **Keane J, Goldstein LB**. [A review of psycho-dermatologic conditions in the homeless population](#). J Biomed Res Clin Adv. 2024;1(2):10.

Ciccarese D, Casamassima L, Del Vecchio M, Sguera N, Cardarelli F, Memè L, ... **Fernandes GVO**, et al. [A thorough examination of short implants in dentistry](#). Oral Implantol (Rome). 2024;16(3 suppl 1):S273-S287.

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