

Recent Publications - Faculty of Health Sciences

BY MEMBERS OF THE STAFF AND BY RESEARCH STUDENTS WORKING UNDER THEIR SUPERVISION

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School of Dental Science

ORAL BIOSCIENCES

Anishchuk, Sviatlana, 'PRIDASE 2024 guidelines for reporting diagnostic accuracy studies in endodontics: explanation and elaboration', *International Endodontic Journal*, 58, 1 (2025), 6-36 [M. Pigg, V. Nagendrababu, H.F. Duncan, P.V. Abbott, A.F. Fouad]

'Reporting quality of scoping reviews in endodontics: a meta-research study', *International Endodontic Journal*, 57, 12 (2024), 1717-1726 [G.N. Tzanetakis, X. Petridis, A. Jakovljevic, D. Koletsi, V. Nagendrababu]

'The effectiveness of partial pulpotomy compared with full pulpotomy in managing deep caries in vital permanent teeth with a diagnosis of non-traumatic pulpitis', *International Endodontic Journal*, 58, 1 (2025), 37-54 [L.M. Louzada, H. Hildebrand, K.W. Neuhaus, H.F. Duncan]

'A multi-national survey-based evaluation of undergraduate/predoctoral endodontic education', *International Endodontic Journal* (2024), [V. Nagendrababu, V.K. Gopinath, M. Nassar, S. Narasimhan, P.V. Abbott]

'Artificial intelligence in endodontics: fundamental principles, workflow, and tasks', *International Endodontic Journal*, 57, 11 (2024), 1546-1565 [S.A. Ourang, F. Sohrabniya, H. Mohammad-Rahimi, O. Dianat, A. Aminoshariae]

'Teeth with vital pulps and stage III periodontitis unresponsive to therapy exhibit a pulpal inflammatory profile similar to symptomatic irreversible pulpitis', *International Endodontic Journal*, 57, 12 (2024), 1769-1782 [L.M. Louzada, R. Arruda-Vasconcelos, M. Kearney, Y. Yamauchi, B.P.F.A. Gomes]

'Ultrastructural evaluation of adverse effects on dentine formation from systemic fluoride application in an experimental mouse model', *International Endodontic Journal*, 58, 1 (2025), 128-140 [M. Okamoto, S. Yamashita, M. Mendonca, S. Brueckner, R. Achong-Bowe]

'The impact of cone beam CT on outcomes associated with endodontic access cavity preparation: a controlled human analogue study using 3D-printed first maxillary molars', *Dento Maxillo Facial Radiology*, 54, 1 (2025), 43-55 [M.B. McGuigan, H.F. Duncan, G. Krastl, J. Ludwig, B. Honari]

Coleman, David, 'Protracted transmission and persistence of ST80 vancomycin-resistant *Enterococcus faecium* clonal complex types CT2933, CT2932 and CT916 in a large Irish hospital: a 39-month WGS study', *Journal of Hospital Infection*, 151, 9 (September) (2024), 11-20 [N.I. Kavanagh, P.M. Kinnevey, S.A. Egan, B.A. McManus, B. O'Connell]

Kinnevey, Peter, 'Protracted transmission and persistence of ST80 vancomycin-resistant *Enterococcus faecium* clonal complex types CT2933, CT2932 and CT1916 in a large Irish hospital: a 39-month WGS study', *Journal of Hospital Infection*, 151, 9 (September) (2024), 11-20 [N.I. Kavanagh, P.M. Kinnevey, S.A. Egan, B.A. McManus, B. O'Connell]

Recent publications – Faculty of Health Sciences

Moran, Gary, 'Oral leukoplakia microbiome predicts the degree of dysplasia and is shaped by smoking and tooth loss', *Oral Diseases* (2025), <http://dx.doi.org/10.1111/odi.15272> [S. Galvin, B. Honari, S. Anishchuk, C.M. Healy, G.P. Moran]

'*Fusobacterium nucleatum* induces invasive growth and angiogenic responses in malignant oral keratinocytes that are cell line-and bacterial strain-specific', *Frontiers in Cellular and Infection Microbiology* (2024), <http://dx.doi.org/10.3389/fcimb.2024.1417946> [A. Selvaraj, G. McManus, C.M. Healy, G.P. Moran]

'Deletion of the *Candida albicans* TLO gene family results in alterations in membrane sterol composition and fluconazole tolerance', *PLoS ONE*, 19, 8 (2024), e0308665 [J. O'Connor-Moneley, J. Fletcher, C. Bean, J. Parker, S.L. Kelly]

'*Fusobacterium nucleatum* subsp. polymorphum recovered from malignant and potentially malignant oral disease exhibit heterogeneity in adhesion phenotypes and adhesin gene copy number, shaped by inter-subspecies horizontal gene transfer and recombination-derived mosaicism', *Microbial Genomics*, 10, 3 (2024), <http://dx.doi.org/10.1099/mgen.0.001217> [C. Crowley, A. Selvaraj, A. Hariharan, C.M. Healy, G.P. Moran]

Sullivan, Derek, 'Deletion of the *Candida albicans* TLO gene family results in alterations in membrane sterol composition and fluconazole tolerance', *PLoS ONE*, 19, 8 (2024), e0308665 [J. O'Connor-Moneley, J. Fletcher, C. Bean, J. Parker, S.L. Kelly]

'Variations in candidalysin amino acid sequence influence toxicity and host responses', *mBio* (2024), e0335123 [D.N. Wickramasinghe, C.M. Lyon, S. Lee, O.W. Hepworth, E.L. Priest]

ORAL AND MAXILLOFACIAL SURGERY, MEDICINE, PATHOLOGY AND RADIOLOGY

Healy, Claire, 'Development and external validation of a head and neck cancer risk prediction model', *Head and Neck*, 46, 9 (2024), 2261-2273 [C.D.L. Smith, A.D. McMahon, D.M. Lyall, M. Goulart, G.J. Inman, S. Virani]

'Smoking and alcohol by HPV status in head and neck cancer: a Mendelian randomization study', *Nature Communications*, 15, 1 (2024), 7835 [A. Thakral, J.J. Lee, T. Hou, K. Hueniken, T. Dudding]

'*Fusobacterium nucleatum* induces invasive growth and angiogenic responses in malignant oral keratinocytes that are cell line-and bacterial strain-specific', *Frontiers in Cellular and Infection Microbiology* (2024), <http://dx.doi.org/10.3389/fcimb.2024.1417946> [A. Selvaraj, G. McManus, C.M. Healy, G.P. Moran]

O'Connor, Róisín, 'Human papillomavirus mediates proteasomal function in cervical cancer', *E-poster viewing abstracts*, BMJ Publishing Group Ltd (2024), A118.1-A118 [V. Malone, P. Tewari, B. Mohamed, R. O'Connor, S. O'Toole]

'Altered expression of kinetochore proteins Nuf2 and Hec1 in cervical pre-cancer and cancer', *E-poster viewing abstracts*, BMJ Publishing Group Ltd (2024), A299.1-A299 [P. Naik, K. Astbury, H. Keegan, V. Malone, R. O'Connor]

'Differential expression of endosomal proteins as a predictor of progression in cervical intraepithelial neoplasia', *E-poster viewing abstracts*, BMJ Publishing Group Ltd (2024), A121.2-A121 [R. O'Connor, P. Naik, H. Keegan, E. Gallagher, V. Malone]

'Liquid biopsy isolation of circulating tumour cells from epithelial ovarian cancer patients and their prognostic significance', *European congress on gynaecological oncology*, Istanbul, Turkey, BMJ Publishing Group Ltd (2023), <http://dx.doi.org/10.1136/ijgc-2023-ESGO.784> [M.P. Ward, F. Lewis, C. O'Gorman, L.A. Kelly, C. Martin]

PUBLIC AND CHILD DENTAL HEALTH

- Duane, Brett**, 'Improving the sustainability and quality of kidney health care through life cycle assessments, quality improvement, education and technical innovations: the KitNewCare approach', *Journal of Nephrology* (2024), <http://hdl.handle.net/2262/109617> [B. Duane, I. Steinbach, E. Schmid, A. Ortiz]
- 'Responsible waste management: using resources efficiently (part 2)', *British Dental Journal*, 235, 8 (2023), 577-582 [S. Wilmott, E. Pasdeki-Clewer, B. Duane]
- 'A carbon calculator: the development of a user-friendly greenhouse gas measuring tool for general dental practice (part 2)', *British Dental Journal*, 236, 1 (2024), 57-61 [B. Duane, I. Steinbach, L. Mackenzie]
- 'Environmental sustainability of post-orthodontic dental retainers: a comparative life-cycle assessment of Hawley and Essix retainers', *European Journal of Orthodontics*, 46, 2 (2024), <http://dx.doi.org/10.1093/ejo/cjae012> [T.Y.D. Tan, B. Duane, A. Hussein, A. Samsonova, G. Sizun]
- 'A life cycle analysis of the environmental impact of procurement, waste and water in the dental practice', *British Dental Journal*, 236, 7 (2024), 545-551 [P. Suresh, J. Crotty, S. Tesanovic, O. Alaweed, S. Doyle]
- 'The environmental impact of nitrous oxide inhalation sedation appointments and equipment used in dentistry', *European Archives of Paediatric Dentistry* (2024), <http://dx.doi.org/10.1007/s40368-024-00895-6> [A. Fennell-Wells, B. Duane, P. Ashley, E. Morgan]
- 'Environmental impact of the supervised toothbrushing programme amongst children in Scotland', *Journal of Dentistry* (2023), <http://dx.doi.org/10.1016/j.jdent.2023.104773> [M. Bakar, B. Johnston, K. Fitzgerald, C. Casby, B. Duane]
- Fleming, Padhraig**, 'The influence of nasal deviation on the perception of maxillary dental centreline and smile aesthetics', *Journal of Orthodontics*, 50, 1 (2023), 18-27 [K. Grimes, P.S. Fleming, P.K. Sharma]
- 'Orthodontic groups on social media: creating and maintaining an educational forum', *Seminars in Orthodontics* (2023), <http://dx.doi.org/10.1053/j.sodo.2023.07.001> [P.S. Fleming, B. Ludwig]
- 'Orthodontic treatment: getting the timing right', *Seminars in Orthodontics*, 29, 2 (2023), 137-145 [P.S. Fleming, J. Andrews]
- 'The use of the Hanks Herbst vs twin-block in class II malocclusion: a randomized controlled trial', *American Journal of Orthodontics and Dentofacial Orthopedics* (2023), <http://dx.doi.org/10.1016/j.ajodo.2023.06.002> [M.M. Pacha, P.S. Fleming, N. Pandis, M. Shagmani, A. Johal]
- 'The scientific evidence for pre-adjusted edgewise attachments and mechanics', *British Dental Journal* (2023), <http://dx.doi.org/10.1038/s41415-023-6064-6> [A. Hasan, M. Hania, N. Mandall, P.S. Fleming]
- 'The effectiveness of adjuncts or alternatives to the use of orthodontic retainers in preserving posttreatment outcomes: a systematic review', *American Journal of Orthodontics and Dentofacial Orthopedics*, 163, 1 (2023), 9-21.e3 [D. Al-Moghrabi, M. Algharbi, S.A. Arqub, A. Alkadhimi, P.S. Fleming]
- 'Orthodontics in the era of social media: an interview with orthodontic journal editors', *Seminars in Orthodontics* (2023), <http://dx.doi.org/10.1053/j.sodo.2023.07.005> [D. Al-Moghrabi, M.T. Cobourne, P.S. Fleming, N.D. Kravitz, V. Krishnan]
- 'Non-surgical adjunctive interventions for accelerating tooth movement in patients undergoing orthodontic treatment', *Cochrane Database of Systematic Reviews*, 2023, 6 (2023), <http://dx.doi.org/10.1002/14651858.CD010887.pub3> [A. El-Angbawi, G. McIntyre, P.S. Fleming, D. Bearn]
- 'Knowledge assessment on cleft lip and palate among recently graduated dentists: a cross-sectional study', *BMC Oral Health* (2023), <http://dx.doi.org/10.1186/s12903-023-03388-y> [B. Agha, N.M.S. Helal, T.J. Al-Khafaji, G.A. Farie, O. Basri]

Recent publications – Faculty of Health Sciences

- 'Assessment of wear characteristics, longevity and stiffness of Essix-type retainers', *Clinical Oral Investigations* (2024), <http://dx.doi.org/10.1007/s00784-024-05503-x> [L. Alfadil, M. Patel, N. Pandis, P.S. Fleming]
- 'Orthodontic retention: rationale and periodontal implications', *Periodontology 2000* (2024), <http://dx.doi.org/10.1111/prd.12560> [P.S. Fleming, N. Pandis]
- 'A qualitative evaluation of attitudes toward extractions among primary care orthodontists in Great Britain', *American Journal of Orthodontics and Dentofacial Orthopedics*, 163, 4 (2023), 483-490 [L. Richardson, D. Millett, P.E. Benson, S.J. Cunningham, K.A. Gray-Burrows]
- 'An analysis of dental articles in predatory journals and associated online engagement', *Journal of Dentistry*, 129 (2023), <http://dx.doi.org/10.1016/j.jdent.2022.104385> [D. Al-Moghrabi, R.S. Albishri, R.D. Alshehri, S.A. Arqub, A. Alkadhimi]
- 'Expert view: Padhraig S. Fleming', *British Dental Journal*, 234, 11 (2023), 811 [Fleming, P.S.]
- 'Postgraduate orthodontic education: an international perspective on content and satisfaction levels', *Journal of the World Federation of Orthodontists* (2023), <http://dx.doi.org/10.1016/j.ejwf.2023.08.004> [T. Allanqawi, A. Alkadhimi, P.S. Fleming]
- 'An in vitro comparison of the dimensional stability of four 3D-printed models under various storage conditions', *The Angle Orthodontist* (2024), <http://dx.doi.org/10.2319/081223-557.1> [V. Knode, B. Ludwig, S. Hamadeh, N. Pandis, P.S. Fleming]
- 'Clear aligner therapy practice among orthodontists in the United Kingdom and the Republic of Ireland: a cross-sectional survey of the British orthodontic society membership', *Journal of Orthodontics* (2023), <http://dx.doi.org/10.1177/14653125231204889> [M.J. Meade, T. Weir, J. Seehra, P.S. Fleming]
- 'An assessment of the impact of adhesive coverage and wire type on fixed retainer failures and force propagation along two types of orthodontic retainer wires: an in vitro study', *The Angle Orthodontist* (2023), <http://dx.doi.org/10.2319/110722-765.1> [S.H.M. Tee, S. Shahid, D. Al-Moghrabi, P.S. Fleming]
- 'Blanket or tailored prescription of retainers in orthodontics: a questionnaire-based study', *The Angle Orthodontist* (2023), <http://dx.doi.org/10.2319/060923-400.1> [D. Al-Moghrabi, A. Alkadhimi, S. Abu Arqub, P.S. Fleming]
- "Over-reviewing' of research? An analysis of orthodontic reviews", *American Journal of Orthodontics and Dentofacial Orthopedics: Official Publication of the American Association of Orthodontists, its Constituent Societies, and the American Board of Orthodontics* (2023), <http://dx.doi.org/10.1016/j.ajodo.2023.10.013> [D.T. Millett, P.E. Benson, S.J. Cunningham, G.T. McIntyre, A. Tsichlaki]
- 'Is orthodontic research falling prey to obscure and predatory journals? A bibliometric study', *European Journal of Orthodontics* (2024), <http://dx.doi.org/10.1093/ejo/cjae039> [M.P. Maroulakos, D. Al-Moghrabi, I. Fleischmann, N. Pandis, P.S. Fleming]
- 'Orthodontic-restorative interface: a contemporary, international perspective', *British Dental Journal* (2024), <http://dx.doi.org/10.1038/s41415-024-7839-0> [P. Fleming]
- 'Periodontitis: orthodontic implications and management', *British Dental Journal* (2024), <http://dx.doi.org/10.1038/s41415-024-7789-6> [P.S. Fleming, J. Andrews]
- 'The role of orthodontics in the prevention and management of gingival recession', *British Dental Journal* (2024), <http://dx.doi.org/10.1038/s41415-024-7781-1> [P.S. Fleming, J. Andrews]
- 'Author Q&A: Padhraig S. Fleming', *British Dental Journal* (2023), <http://dx.doi.org/10.1038/s41415-023-6288-5> [P.S. Fleming]
- 'Midpalatal miniscrew insertion: the accuracy of digital planning and surgical placement', *American Journal of Orthodontics and Dentofacial Orthopedics: Official Publication of the American Association of Orthodontists, its Constituent Societies, and the American Board of Orthodontics* (2024), <http://dx.doi.org/10.1016/j.ajodo.2024.02.014> [A.M.Q. Al-Gazzawi, V. Knode, B. Ludwig, A. Othman, A. Salami]

Recent publications – Faculty of Health Sciences

'The effect of vertical skeletal proportions, skeletal maturation, and age on midpalatal suture maturation: a CBCT-based study', *Progress in Orthodontics* (2024), <http://dx.doi.org/10.1186/s40510-023-00504-0> [M. Ferrillo, K. Daly, N. Pandis, P.S. Fleming]

'Can ChatGPT identify predatory biomedical and dental journals? A cross-sectional content analysis', *Journal of Dentistry* (2024), <http://dx.doi.org/10.1016/j.jdent.2024.104840> [D. Al-Moghrabi, S. Abu Arqub, M.P. Maroulakos, N. Pandis, P.S. Fleming]

'The effect of vertical skeletal proportions on overbite changes in untreated adolescents: a longitudinal evaluation', *The Angle Orthodontist* (2024), <http://dx.doi.org/10.2319/042823-310.1> [M. Ferrillo, N. Pandis, P.S. Fleming]

'The skeletal and dental effects of Hanks Herbst versus twin block appliances for class II correction in growing patients: a randomized clinical trial', *European Journal of Orthodontics* (2024), <http://dx.doi.org/10.1093/ejo/cjad065> [M.M. Pacha, P.S. Fleming, M. Shagmani, A. Johal]

Mac Giolla Phadraig, Caoimhin, 'Keep my teeth: an evaluation of multi-disciplinary training in mouth care for people with intellectual developmental disorders', *Special Care in Dentistry*, 44, 3 (2024), 852-862 [F. Nowghani, D. Lisiecka, S. Phelan, P. Horan, L. O'Reilly]

O'Connell, Anne, 'Appropriate terminology for the time elapsed from avulsion of a permanent tooth to replantation: a scoping review and Delphi consensus', *Dental Traumatology: Official Publication of International Association for Dental Traumatology* (2024), [N. Tewari, J. Garima, A. O'Connell, N. Sharawat, M. Rahul]

'Appraisal of the IADT fellowship - a member survey', *Dental Traumatology: Official Publication of International Association for Dental Traumatology*, 40, 5 (2024), 599-606 [J. Onetto, M. Sobczak, T. Skapetis, B. Kahler, O. Tishkina]

'An evaluation of the knowledge, attitudes and treatment approaches of general dental practitioners in Ireland in the management of traumatic dental injuries', *European Archives of Paediatric Dentistry Official Journal of the European Academy of Paediatric Dentistry* (2024), [B. Maloney, A.C. O'Connell, R. Leith]

'Quality of vertical bitewings radiographs and common errors of positioning in children', *International Journal of Paediatric Dentistry* (2025), [I.C. Olegário, R. Leith, A.C. O'Connell]

'Contemporary approach for traumatic dental injuries in the primary dentition', *Dental Traumatology: Official Publication of International Association for Dental Traumatology* (2025), <http://dx.doi.org/10.1111/edt.13011> [A.C. O'Connell]

'International teaching practices in dental trauma education', *Dental Traumatology*, 40, 2 (2024), 152-160 [A.C. O'Connell, I.O. Olegario]

'Dental photography for children - a global survey', *International Journal Paediatric Dentistry*, 34, 6 (2024), 790-798 [A. AlQuadi, A.C. O'Connell]

Sagheri, Darius, 'Investigation of the impact of inhalation aromatherapy on relaxation and wellbeing in a young adult population', *Current Research in Complementary and Alternative Medicine*, 8, 2 (2024), 254 [F. Hedigan, D. Sagheri, H. Sheridan, A. Sasse]

RESTORATIVE DENTISTRY AND PERIODONTOLOGY

Crowe, Michael, 'Evaluating the harmonization potential of oral health-related questionnaires in national longitudinal birth and child cohort surveys', *J Public Health Dent* (2024), <http://dx.doi.org/10.1111/jphd.12632> [V. Sharma, M. O'Sullivan, O. Cassetti, L. Winning, A. O'Sullivan]

'Digital data collection protocols and template design for an oral health survey of elite athletes in Ireland', *Discov Public Health* (2024), <http://dx.doi.org/10.1186/s12982-024-00239-1> [A. Hughes, M. O'Sullivan, L. Winning, O. Cassetti, A. O'Sullivan]

'Vitamin D, periodontitis and tooth loss in older Irish adults', *British Journal of Nutrition* (2024), <http://dx.doi.org/10.1017/S000711452400148X> [L. Winning, S. Scarlett, M. Crowe, M. O'Sullivan, R.A. Kenny]

Recent publications – Faculty of Health Sciences

Davis, Siobhan, 'An investigation to facilitate and evaluate the development of dental students' feedback literacy in the dental science undergraduate curriculum', *Safe practitioner framework and the GDC new LOs*, KCL Strand, London. (2024), <http://hdl.handle.net/2262/110630> [S. Davis, M. van Harten, B. Daly]

'Investigation to evaluate the development of dental students' feedback literacy in the dental science undergraduate curriculum', *A.I. in Oral Health Professionals' Education*, Leuven, Belgium (2024), <http://hdl.handle.net/2262/109335> [S. Davis, M. van Harten, M. O'Neill, B. Daly]

Duncan, Hal, 'Top 100 most-cited scientific articles in regenerative endodontics 2019-2023: a bibliometric analysis', *International Endodontic Journal*, 57 (2024), 1434-1452. [A.H. Dos Reis-Prado, C.A. Maia, G.P. Nunes, L.C. de Arantes, L.G. Abreu]

'Tissue engineering approaches for dental pulp regeneration: the development of novel bioactive materials using pharmacological epigenetic inhibitors', *Bioactive Materials*, 40 (2024), 182-211 [R.M. Quigley, M. Kearney, O.D. Kennedy, H.F. Duncan]

'Artificial intelligence in endodontics: data preparation, clinical applications, ethical considerations, limitations, and future directions', *International Endodontic Journal*, 57 (2024), 1566-1595 [H. Mohammad-Rahimi, F. Sohrabniya, S.A. Ourang, O. Dianat, A. Aminoshariae]

'Dynamic alterations in acetylation and modulation of histone deacetylase expression evident in the dentine-pulp complex during dentinogenesis', *International Journal of Molecular Science*, 25 (2024), 6569 [Y. Yamauchi, E. Shimizu, H.F. Duncan]

'Controversial terminology in root and canal anatomy: a comprehensive review', *European Endodontic Journal*, 9 (2024), 308-334 [H.M.A. Ahmed, A. Keleş, T.G. Wolf, V. Nagendrababu, H.F. Duncan]

'Guidance for evaluating biomaterials' properties and biological potential for dental pulp tissue engineering and regeneration research', *Dental Materials*, 41 (2025), 248-264 [V. Rosa, B.N. Cavalcanti, J.E. Nör, A. Tezvergil-Mutluay, N. Silikas]

'Reporting quality of scoping reviews in endodontics: a meta-research study', *International Endodontic Journal*, 57, 12 (2024), 1717-1726 [G.N. Tzanetakis, X. Petridis, A. Jakovljevic, D. Koletsi, V. Nagendrababu]

'Artificial intelligence in endodontics: fundamental principles, workflow, and tasks', *International Endodontic Journal*, 57, 11 (2024), 1546-1565 [S.A. Ourang, F. Sohrabniya, H. Mohammad-Rahimi, O. Dianat, A. Aminoshariae]

'The effectiveness of partial pulpotomy compared with full pulpotomy in managing deep caries in vital permanent teeth with a diagnosis of non-traumatic pulpitis', *International Endodontic Journal*, 58, 1 (2025), 37-54 [L.M. Louzada, H. Hildebrand, K.W. Neuhaus, H.F. Duncan.]

'Teeth with vital pulps and stage III periodontitis unresponsive to therapy exhibit a pulpal inflammatory profile similar to symptomatic irreversible pulpitis', *International Endodontic Journal*, 57, 12 (2024), 1769-1782 [L.M. Louzada, R. Arruda-Vasconcelos, M. Kearney, Y. Yamauchi, B.P.F.A. Gomes]

Polyzois, Ioannis, 'An in vitro evaluation of periosteal implant stability measurements taken on implant retained crowns and healing abutments', *Clinical and Experimental Dental Research*, 10, 3 (2024), e910 [C. O'Brien, D. Naughton, B. Honari, L. Winning, I. Polyzois]

Van Harten, Maria, 'Dental extractions do not predict further use of dental general anesthesia in people with disabilities: a longitudinal analysis', *Special Care in Dentistry* (2023), <http://dx.doi.org/10.1111/scd.12925> [D. McGeown, C. Mac Giolla Phadraig, M. Van Harten, S. Stapleton, J. Nunn]

'Using realist methods for intervention development to fill a methodological gap: a case study showing the development of an oral hygiene intervention for people with intellectual developmental disabilities', *Community Dentistry and Oral Epidemiology* (2023), <http://dx.doi.org/10.1111/cdoe.12844> [C. Mac Giolla Phadraig, K. Asimakopoulou, D. Faulks, M. Van Harten, L. Ledger]

Recent publications – Faculty of Health Sciences

'Immersion of debrided diabetic foot ulcer tissue in electrochemically generated pH neutral hypochlorous acid significantly reduces the microbial bioburden: whole-genome sequencing of *Staphylococcus aureus*, the most prevalent species recovered', *Journal of Hospital Infection*, 138 (2023), 42-51 [L. Grealy, P. Wilson, C. Gillen, É. Duffy, M-L. Healy]

School of Medicine

ANATOMY

Barry, Denis, 'Functional neurological disorder in healthcare provider education: a scoping review of current teaching strategies and outcomes', *Journal of Psychosomatic Research* (2025), <https://doi.org/10.1016/j.jpsychores.2025.112102> [D. Cullinane, A. Dufree, N. Fleming, D. Barry]

'A cadaveric analysis of the efficacy of blind injections into the lateral pterygoid muscle', *Folia Morphologica* (2024), <https://doi.org/10.5603/fm.102905> [A. Durfee, E. Finnegan, C. Lewis, C. Franklin, O. Varsou]

'Multiple rare abdominal aortic branch variations in the case of a centenarian woman. Case report and review of the literature', *Translational Research in Anatomy* (2024), <https://doi.org/10.1016/j.tria.2024.100366> [M. Vincis, C. Lewis, D. Barry, M. Trucas]

'Case report: presence of bilateral pectoralis intermedius in a European cadaver', *Translational Research in Anatomy*, 36 (2024), <https://doi.org/10.1016/j.tria.2024.100312> [C. Lewis, D. Barry]

'The interplay between glucose and ketone bodies in neural stem cell metabolism', *Journal of Neuroscience Research*, 102, 5 (2024), <https://doi.org/10.1002/jnr.25342> [J. Molloy, D. Barry]

Conroy, Melissa, 'Analysing the combined effects of radiotherapy and chemokine receptor 5 antagonism: complementary approaches to promote T cell function and migration in oesophageal adenocarcinoma', *Biomedicine* (2024), <http://hdl.handle.net/2262/108496> [M. Davern, C. O' Donovan, N.E. Donlon, E. Mylod, C. Gaughan]

'Real-time ex vivo monitoring of NK cell migration toward obesity-associated oesophageal adenocarcinoma following modulation of CX3CR1', *Scientific Reports*, 14, 1 (2024), 4017 [E. Mylod, F. O'Connell, N.E. Donlon, M. Davern, C. Marion]

'Elucidating the therapeutic utility of olaparib in sulfatide-induced human astrocyte toxicity and neuroinflammation', *Journal of Neuroimmune Pharmacology: the Official Journal of the Society on NeuroImmune Pharmacology*, 18, 4 (2023), 592-609 [M. Mekhaeil, M.J. Conroy, K.K. Dev]

'Olaparib attenuates demyelination and neuroinflammation in an organotypic slice culture model of metachromatic leukodystrophy', *Neurotherapeutics: the Journal of the American Society for Experimental NeuroTherapeutics*, 20, 5 (2023), 1347-1368 [M. Mekhaeil, M.J. Conroy K.K. Dev]

'Investigating the effects of olaparib on the susceptibility of glioblastoma multiforme tumour cells to natural killer cell-mediated responses', *Pharmaceutics* (2023), <http://hdl.handle.net/2262/108497> [J. Moran, E. Mylod, L.E. Kane, C. Marion, E. Keenan]

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RADIATION THERAPY

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