



Faculty of Medicine, Dentistry and Health Sciences

Melbourne Medical School Department of Medicine – Western Health



Annual Report 2020



A word from the Chair of Medicine

Prof. Gustavo Duque



Welcome to the Department of Medicine – Western Health

Resilience is an interesting word. Psychologists define resilience as “the process of adapting well in the face of adversity, trauma, tragedy, threats, or significant sources of stress.” The year 2020 was a period of significant challenges and stressful situations for everyone. Fortunately, as much as resilience involves “bouncing back” from these difficult experiences, it can also involve profound personal growth. From my position of Chair of Medicine at Western Health, I could witness many examples of resilience and emotional development during these challenging times. The level of solidarity, compassion, professionalism, and humanity demonstrated by our members, professional staff, students, and supporting personnel have been outstanding, which brought me a very positive perspective for the future.

Despite all the adversity and stress, the academic members of our Department maintained their steady productivity. In 2020, we broke our publications record again with more than 200 publications (some of them in high impact journals). The success rates in our grant applications is the highest since the creation of an academic Department at Western Health, and the number of international collaborations has dramatically grown and covers almost 80 countries (although our meetings are still via Zoom). Our academics are attracting more MDRPs, Ph.D. and Master’s students than ever before and the number of research projects offered by their teams has grown exponentially, as documented by the Brochure attached to this report. Local and national media covers our activities almost once a month, and several inventions and discoveries are being patented and validated as we speak. In addition, and despite the restrictions generated by the lockdowns, we have conducted multiple clinical studies, including randomised control trials in various disciplines of Medicine and under the most challenging conditions.

When we balance our challenges versus these accomplishments, I feel proud to say that we are part of an academic Department that is buoyant, extremely productive, creative, and **resilient**. After five years of restructuring, our revitalised Department is fulfilling its mission of “...approaching science to the community” in a way that has been facilitated by the support of the Medical School and ongoing collaborations with our partners (i.e., Western Health, MACH, etc.).

However, many tasks are still pending before claiming mission accomplished. If we want to become the centre of reference in medical research for Melbourne and Australia, we must increase our success rate at major funding agencies; a goal that I have established as my priority in the upcoming years. To reach this goal, we are implementing a set of supporting strategies that have shown high effectiveness so far. It is also essential that our Honorary members submit their grant applications via the Department of Medicine-Western Health (University of Melbourne). This way, the funding obtained via major grants will support our local infrastructure and will provide us with additional clerical and professional support; a real virtuous cycle. Our Department’s other goals are to recruit more high-quality postgraduate students and academics (2 new salaried academics were recruited in 2020). Importantly, our local Honours program is now recruiting high-quality students who we hope will be our local Ph.D. students of the future. Finally, we should profit from our strong links with consumers and the community, listen to their suggestions, and involve them in all our research and academic processes.

In summary, during these time of vaccines and “new normality,” we should keep in mind that our resilience will only develop by having a positive outlook, supporting each other, and taking active steps to make things better for us, our families and our communities.

Wishing you and our Department a very successful 2021.

A handwritten signature in black ink, appearing to be 'G. Duque'.

Prof Gustavo Duque, MD, PhD, FRACP, FGSA
Chair – Department of Medicine-Western Health

Our Team

Chair of Medicine – Prof Gustavo Duque
Academic Director/International Affairs – A/Prof Tissa Wijeratne
Postgraduate Studies/Clinical – A/Prof Alan Moss
Postgraduate Studies/Basic Sciences – A/Prof Damian Myers

Executive Assistant – Ms Paula Casas
Department Manager – Ms Penny Mahoney
Academic Programs Officer – Ms Aloka Bandara
Laboratory Manager/Coordinator – Mrs Varsha Lal

Congratulations to our newly promoted and re-appointed Academics:

Welcome to our new Honorary Appointees:

A/Prof Alison Beauchamp
Dr Michael Augello
Dr Daniel Barber
Dr Ebrahim Bani Hassan
Dr Chris Hall
Dr Carmela Sales
Mr Steven Phu

Re-appointed Academics:

A/Prof Kulmira Nurgali
A/Prof Julie Pasco
A/Prof Itamar Levinger

It is with sadness that we note the passing of A/Prof Nigel Stepto. Nigel was a valuable member of the Department and will be sadly missed by staff, students, and colleagues alike. RIP



Welcome to our new staff:

Ms Petra Marusic – AIMSS Clinical Research Manager
Ms Penny Mahoney – Department of Medicine & Radiology Manager
Dr Rachel McQuade – NHMRC Research Fellow

Farewell to the following staff members:

A/Prof Sharon Brennan-Olsen – Principal Research Fellow
Ms Joanne Kuluveoski – Department Manager
Mrs Hadeer Fatlee – Receptionist Falls and Fracture Clinic
Mr Michael McLaughlin – Administrative Assistant
Dr Ebrahim Bani Hassan – DXA Radiographer

Our Research Themes

1- Ageing

- Dr Adrian Dabscheck

2- Anaesthesia

- A/Prof David Pescod
- Dr Zamil Karim

3- Australian Institute for Musculoskeletal Science (AIMSS)

a- Program Directors:

- Prof Gustavo Duque (Director-AIMSS) – ageing & osteosarcopenia – Biomedical, translational, and clinical
- A/Prof Alan Hayes (Deputy Director – AIMSS) – Sarcopenia – Biomedical and translational
- A/Prof John Price (Graduate Program Coordinator – Basic sciences) – Cancer and musculoskeletal system – Biomedical and translational
- A/Prof Damian Myers – Imaging – Biomedical and translational
- A/Prof Christine Rodda – Musculoskeletal research in children and adolescents
- A/Prof Keith Lim – Joint – Clinical
- Prof Tissa Wijeratne – Neurosciences & Musculoskeletal System – Clinical & Translational
- A/Prof Sharon Brennan-Olsen – Population Health and Epigenomics
- Dr Ebrahim Bani Hassan – Imaging - Clinical
- A/Prof Shane Hamblin – Endocrinology – Clinical
- A/Prof Phong Tran – Bone – Surgical
- A/Prof Itamar Levinger – Sarcopenia – Clinical
- Prof John Hamilton - Joint – Basic Sciences
- Prof Kulmira Nurgali – Regenerative Medicine – Stem Cells
- A/Prof Cathy Said – Allied Health



b-

Project Directors:

- Prof Andrew McAinch
- Prof Mattias Lorentzon
- A/Prof Nigel Stepto
- Dr Emma Rybalka
- Dr Craig Goodman
- Dr David Rouffet
- Dr Rachel Duckham
- Dr David Scott
- Dr Sandra Iuliano
- Dr Simon Taylor
- Dr Nicole Stupka
- Dr Alison Beauchamp
- Dr Ali Ghazem-Zalep
- Dr Lynne Millar
- Dr Sean Yan
- Dr Matthew Cooke

c- Members-in-Training: Twenty-five Members-in-Training including Graduate and MD-RP students.

4 - Blood Disorders

Dr Duncan Carradice
Dr William Renwick
Dr Mathew Rodrigues

5- Cardio-metabolic

Professor Edward Janus
A/Prof Nicholas Cox
A/Prof William Chan
A/Prof Christopher Neil
A/Prof Harin Karunajeewa
A/Prof Chiew Ying Wong
Dr Michael Wong
Dr Shirley Wong

6- Dermatology

Dr Anne Howard
Dr Bruce Tate

7- Emergency Medicine

Professor Anne-Maree Kelly
Dr Andrew Tagg
Dr Michael Bryant
Dr Ruth Hew

8- Endocrine Diseases

A/Prof Shane Hamblin
Dr Vivian Grill
Dr Ie-Wen Sim
A/Prof Mark Kotowicz (Barwon Health)

9- Gastrointestinal Diseases

A/Prof Alan Moss
Dr Ian Kronborg

10- Infectious Diseases

A/Prof Garry Lane
Dr Adrian Tramontana

11- Kidney Diseases

A/Prof Craig Nelson
Dr Kushma Nand
A/Prof Vicki Levidiotis

12- Neurological Sciences

A/Prof Tissa Wijeratne
A/Prof Zelko Matkovic
Dr Carmela Sales
Dr Daniel Barber
Dr Fatemeh Rezaia
Ms Essie Low
Mr Hans Tu

13- Cancer and palliative care

Professor Michael Green
A/Prof John Price
Dr Dishan Herath
Dr Ruwani Mendis
Dr Sally Greenberg
Dr Sumitra Ananda

14- Respiratory Medicine

A/Prof Anne-Marie Southcott
Dr Lata Jayaram

15- Rheumatic Diseases

A/Prof Keith Lim
Dr Albert Leung
Dr Ju Ann Tan
Dr Richard Travers

16- Medicine

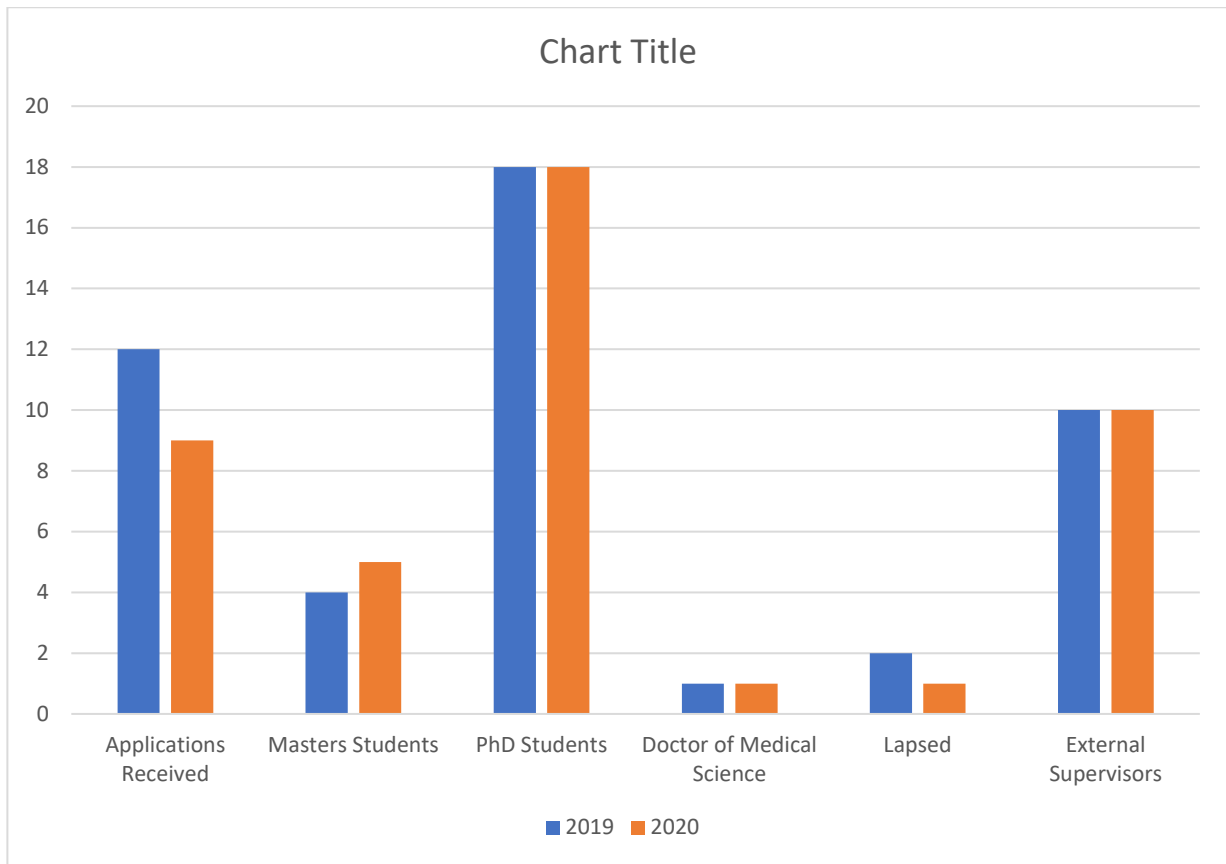
Professor Graeme Maguire

17- Research

Prof Kerrie Sanders
A/Prof Alan Hayes - VU
A/Prof Alison Beauchamp - Monash
A/Prof David Scott - Monash
A/Prof Itamar Levinger - VU
A/Prof Kulmira Nurgali - VU
A/Prof Nigel Stepto - VU
A/Prof Julie Pasco - Deakin
Dr Chris Hall - ANSTO
Dr Ebrahim Bani Hassan
Dr Rachel Duckham - Monash
Dr Sean Yan - VU
Jason Hodge - Barwon Health
Stephen Phu - UNSW

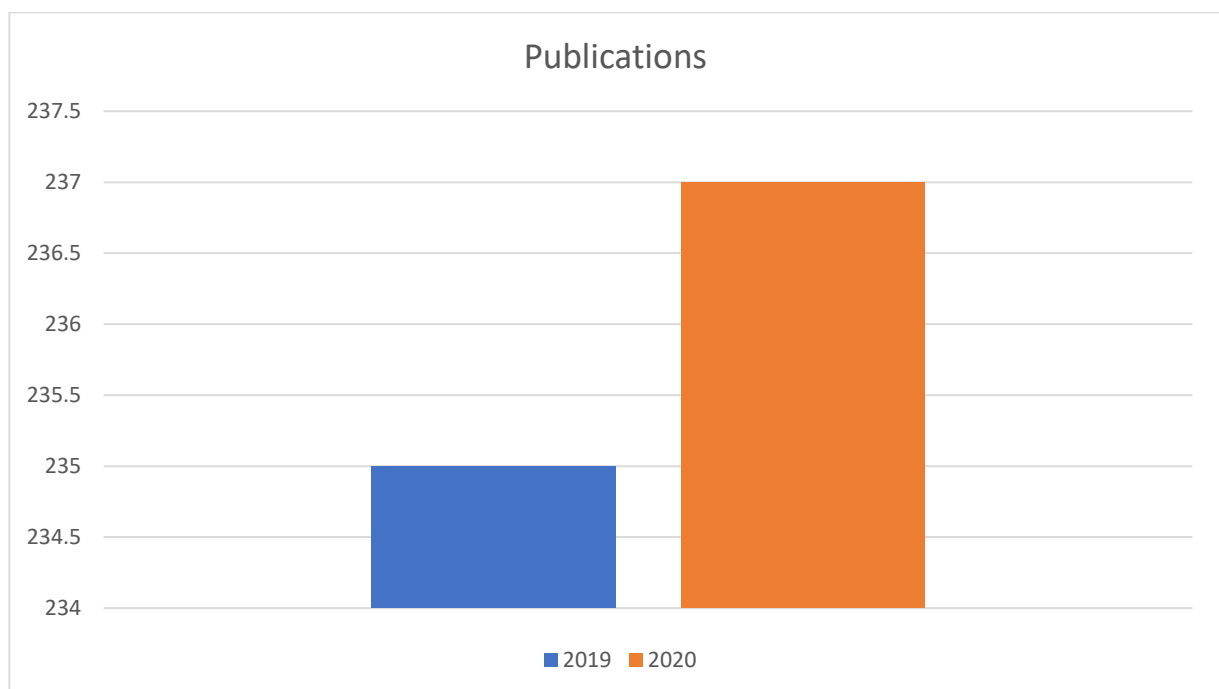
Teaching at Western

Postgraduate Students



Research at Western Medicine

Publications



List of Publications

See appendix A. Please note that this is not an exhaustive list. A significant number of publications are missing due to lack of a standard method of listing our members' affiliations. To solve this issue, instructions on how to report our members' affiliations and appropriate use of Minerva have been circulated throughout the year. **Letters to the Editor are excluded.**

Awards and Grants

Recipient(s) title and full name	Name of Award or Grant	Awarding Body (Full name)	Total Funding Amount
Prof Gustavo Duque	Project Grant – Integrating Osteoporosis in General Practitioners' Practice in Australia	Osteoporosis Australia/ANZBMS	\$40,000
Prof Gustavo Duque	MRFF Integrating Osteoporosis in primary care: The Osteoporosis risk and management (ORMA) project	MACH 2019 MRFF Rapid Applied Research Translation (RART)	\$295,000
Prof Gustavo Duque	The EMPIRE trial: Testing the effect of HMB and vitamin D on osteosarcopenia	TSI Pharmaceuticals	\$435,000
Prof Gustavo Duque	Prevention of in-hospital hip fractures in frail older persons	HCF Research Foundation	\$109,000
Prof Gustavo Duque	Australian Consensus on Fracture Prevention in Residential Aged Care Facilities	Amgen Australia Grants Program	\$40,000
Dr Nicole Stupka	A novel therapeutic approach for targeting musculoskeletal health in dystrophy	Confidential	\$280,000
Dr Nicole Stupka	Investigating Selenoprotein S as a guardian of endoplasmic and sarcoplasmic reticulum	MDHS MRC Seed Grant	\$25,000
V Versace, H Teede, J Dunbar, C Guest, N Spurrier, J Speight, D Boyle, A Brown, J Boyle, E Janus	Partnership Grant: Mothers and Gestational Diabetes in Australia: MaGDA-2- Risk prediction and follow-up for prevention of pregnancy complications and type 2 diabetes	NHMRC	\$1,083,163
Jansons P, Scott D	Exploring the Feasibility of Voice-Controlled Intelligent Personal Assistants for delivery of home-based lifestyle interventions in older adults with Type II Diabetes	Faculty of Health, Deakin University	\$29,539
Scott D , Daly R, Ebeling P, Kiss N, Jansons P	Amgen OA-ANZBMS Clinical Grants Program 2020 - A Pilot Feasibility Trial of Voice-Controlled Intelligent Personal Assistants as a Telehealth Self-Management Tool for Postmenopausal Women with Osteoporosis	Amgen	\$39,958.20

Daly R, Bennell K, Scott D , Ebeling P, Maier A, Giangregorio L, Hinman R, Watts J, Koorts H, McNaughton S.	Preventive and Public Health Research Initiative 2019 -A personalized, telehealth exercise and lifestyle risk factor management program to reduce falls and fracture risk in older adults: A 12-month hybrid effectiveness-implementation trial	Medical Research Future Fund (MRFF) Australia	\$1,393,504.50
Scott D , Daly R, Fyfe J, Jansons P, Gvozdenko E	IPAN Seed Grant - Exploring the Feasibility of Voice-Controlled Intelligent Personal Assistants for Delivery of Home-Based Exercise Snacking in Older Adults Living Alone	Institute for Physical Activity and Nutrition, Deakin University	\$19,962.00
Johnathon Sen	NHMRC Postgraduate Scholarship	Baker Heart and Diabetes Institute	\$108,852
Johnathon Sen	National Heart Foundation Health Professional Scholarship	Baker Heart and Diabetes Institute	\$40,000

Significant events at Western Medicine

Fellows Meeting

Unfortunately, in 2020 we did not hold a meeting due to outbreak of the pandemic and the Melbourne lockdown. We look forward to implementing these meetings in 2021, albeit via Zoom.

Western Health & UoM Grand Rounds

The department has joined with Western Health to host the weekly Grand Rounds. In 2020 these were held on Wednesdays from 12-1pm via Zoom and have been quite successful.

Christmas Party



Unfortunately due to Covid restrictions we were unable to have our annual Christmas Party. The Geroscience team held a small zoom celebration as part of their fortnightly meetings. People dressed up and baked with 3 prizes being awarded on the day:

Best dressed – Paula Casas
 Best background – Jack Feehan
 Great Western Bake off (Christmas Edition) – Nicole Stupka

Congratulations to the winners and we hope to see everyone in real life in 2021.

International Fellows

During 2020 we hosted one International fellow who participated in clinical research projects, fortnightly meetings and AIMSS activities.

Dr Helen Zhu - China

We are looking forward to recommencing this program when our borders open to international visitors again!

PUBLICATIONS:

1. Addinsall, A.B., Forgan, L. G., McRae, N. L., Kelly, R. W., McDonald, P. L., McNeil, B., McCulloch, D. R., **Stupka, N.**, Treatment of Dystrophic mdx Mice with an ADAMTS-5 Specific Monoclonal Antibody Increases the Ex Vivo Strength of Isolated Fast Twitch Hindlimb Muscles. *BIOMOLECULES*, 2020. 10(3): 416.
2. Addinsall, A.B., Wright, C. R., Kotsiakos, T. L., Smith, Z. M., Cook, T. R., Andrikopoulos, S., van der Poel, C., **Stupka, N.**, Impaired exercise performance is independent of inflammation and cellular stress following genetic reduction or deletion of selenoprotein S. *AMERICAN JOURNAL OF PHYSIOLOGY-REGULATORY INTEGRATIVE AND COMPARATIVE PHYSIOLOGY*, 2020. 318(5): p. R981-R996.
3. Aitken, N., Nointin, N., Bhattacharjee, R., Adamson, E., Pham, C., Klim, S., **Kelly, A. M.**, What is the incidence of renal impairment in patients presenting with renal colic? *JOURNAL OF CLINICAL UROLOGY*, 2020. 13(6): p. 441-446.
4. **Al Saedi, A.**, Chen, L., **Phu, S.**, **Vogrin, S.**, Miao, D., Ferland, G., Gaudreau, P., **Duque, G.**, Age-Related Increases in Marrow Fat Volumes have Regional Impacts on Bone Cell Numbers and Structure. *CALCIFIED TISSUE INTERNATIONAL*, 2020. 107(2): p. 126-134.
5. **Al Saedi, A.**, **Myers, D. E.**, **Stupka, N.**, **Duque, G.**, 1,25(OH)₂D-3 ameliorates palmitate-induced lipotoxicity in human primary osteoblasts leading to improved viability and function. *BONE*, 2020. 141(ARTN 115672).
6. **Al Saedi, A.**, **Sharma, S.**, Summers, M. A., **Nurgali, K.**, **Duque, G.**, The multiple faces of tryptophan in bone biology. *EXPERIMENTAL GERONTOLOGY*, 2020. 129(ARTN 110778).
7. **Al Saedi, A.**, **N. Stupka**, and **G. Duque**, Pathogenesis of Osteoporosis. *HANDB EXP PHARMACOL*, 2020. 262: p. 353-367.
8. Al-Mukhtar, O., Bilgrami, I., **Noaman, S.**, Lapsley, R., Ozcan, J., Marane, C., Groen, F., **Cox, N.**, **Chan, W.**, Cardiac Arrest in the Cardiac Catheterization Laboratory: Initial Experience With the Role of Simulation Setup and Training. *AMERICAN JOURNAL OF MEDICAL QUALITY*, 2020(ARTN 1062860620950805).
9. Altarawneh, M.M., Hanson, E. D., Betik, A. C., Petersen, A. C., **Hayes, A.**, McKenna, M. J., Effects of testosterone suppression, hindlimb immobilization, and recovery on [H-3]ouabain binding site content and Na⁺, K⁺-ATPase isoforms in rat soleus muscle. *JOURNAL OF APPLIED PHYSIOLOGY*, 2020. 128(3): p. 501-513.
10. Anderson, K.B., Holloway-Kew, K. L., Hans, D., **Kotowicz, M. A.**, Hyde, N. K., **Pasco, J. A.**, Physical and lifestyle factors associated with trabecular bone score values. *ARCHIVES OF OSTEOPOROSIS*, 2020. 15(1):177.
11. Anderson, R.D., Kumar, S., **Morton, J. B.**, et al., Modified Precordial Lead R-Wave Deflection Interval Predicts Left- and Right-Sided Idiopathic Outflow Tract Ventricular Arrhythmias. *JACC-CLINICAL ELECTROPHYSIOLOGY*, 2020. 6(11): p. 1405-1419.
12. Anpalagan, K.K., Karakkat, J., **Al Saedi, A.**, **Nurgali, K.**, et al., Bioimaging of C2C12 Muscle Myoblasts Using Fluorescent Carbon Quantum Dots Synthesized from Bread. *NANOMATERIALS*, 2020. 10(8)L 1575.
13. Aslam, H., Jacka, F. N., **Pasco, J. A.**, et al., The Associations between Dairy Product Consumption and Biomarkers of Inflammation, Adipocytokines, and Oxidative Stress in Children: A Cross-Sectional Study. *NUTRIENTS*, 2020. 12(10):3055.

14. Aslam, H., Marx, W., Rocks, T., **Pasco, J. A.**, et al., The effects of dairy and dairy derivatives on the gut microbiota: a systematic literature review. *GUT MICROBES*, 2020. 12(1).
15. Atlihan R, **Kirk B, Duque G.** Non-pharmacological interventions in Osteosarcopenia: A systematic review. *J Nutr Health Aging*. 2021;25(1):25-32. doi: 10.1007/s12603-020-1537-7.
16. Balogun, S., **Scott, D.**, et al., Longitudinal study of the relationship between physical activity and knee pain and functional limitation in community-dwelling older adults. *ARCHIVES OF GERONTOLOGY AND GERIATRICS*, 2020. 90(ARTN 104101).
17. Balogun, S.A., **Scott, D.**, et al., Do Older Adults with Low Muscle Mass or Strength, in the Presence of Obesity, Have an Increased Risk of Joint Replacement Over 13 Years? *CALCIFIED TISSUE INTERNATIONAL*, 2020. 107(1): p. 10-17.
18. **Bani Hassan E, Vogrin S**, Hernandez Viña I, Boersma D, Suriyaarachchi P, **Duque G.** Hemoglobin Levels are Low in Sarcopenic and Osteosarcopenic Older Persons. *Calcif Tissue Int*. 2020;107(2):135-142.
19. Barker, A.L., **Sanders, K. M., Pasco, J.**, et al., Aspirin and fracture risk: a systematic review and exploratory meta-analysis of observational studies. *BMJ OPEN*, 2020. 10(2).
20. Batchelor, R.J., **Cox, N.**, et al., Relation of Timing of Percutaneous Coronary Intervention on Outcomes in Patients with Non-ST Segment Elevation Myocardial Infarction. *AMERICAN JOURNAL OF CARDIOLOGY*, 2020. 136: p. 15-23.
21. **Beauchamp, A.**, et al., The impact of translated reminder letters and phone calls on mammography screening booking rates: Two randomised controlled trials. *PLOS ONE*, 2020. 15(1).
22. **Beauchamp, A.**, et al., Health Literacy of Patients Attending Cardiac Rehabilitation. *J CARDIOPULM REHABIL PREV*, 2020. 40(4): p. 249-254.
23. Belchior, G.F., **Kirk, B.**, Pereira da Silva, E. A., **Duque, G.**, Osteosarcopenia: beyond age-related muscle and bone loss. *EUROPEAN GERIATRIC MEDICINE*, 2020. 11(5): p. 715-724.
24. Biswas, S., **Seman, M., Cox, N., Neil, C.**, Brennan, A., Dinh, D., Walton, A., **Chan, W.**, Impact of limited English proficiency on presentation and clinical outcomes of patients undergoing primary percutaneous coronary intervention. *EUROPEAN HEART JOURNAL-QUALITY OF CARE AND CLINICAL OUTCOMES*, 2020. 6(4): p. 254-262.
25. Bloom, J.E., Dinh, D. T., **Noaman, S.**, Martin, C., Lim, M., Batchelor, R., Zheng, W., Reid, C., Brennan, A., Lefkovits, J., **Cox, N.**, Duffy, S. J., **Chan, W.**, Adverse impact of chronic kidney disease on clinical outcomes following percutaneous coronary intervention. *CATHERETER CARDIOVASC INTERV*, 2020. doi: 10.1002/ccd.29436. Epub ahead of print. PMID: 33325620.
26. **Brennan-Olsen, S.L., Vogrin, S., Scott, D., Hayes, A., Phu, S., Duque, G., Beauchamp, A., Talevski, J., Naureen, G.**, Education, occupation and operational measures of sarcopenia: Six years of Australian data. *AUSTRALASIAN JOURNAL ON AGEING*, 2020. 39(4): p. E498-E505.
27. Brown, K., Toombs, M., **Brennan-Olsen, S. L.**, et al., How can mobile applications support suicide prevention gatekeepers in Australian Indigenous communities? *SOCIAL SCIENCE & MEDICINE*, 2020. 258(ARTN 113015).
28. Campbell, B.C.V., **Wijeratne, T.**, et al., Association of Reperfusion After Thrombolysis with Clinical Outcome Across the 4.5-to 9-Hours and Wake-Up Stroke Time Window A Meta-

Analysis of the EXTEND and EPITHET Randomized Clinical Trials. JAMA NEUROLOGY, 2020. 2:e204123. doi: 10.1001/jamaneurol.2020.4123. Epub ahead of print.

29. Campbell, B.C.V., **Wijeratne, T.**, et al., Extending thrombolysis to 4.5-9 h and wake-up stroke using perfusion imaging: a systematic review and meta-analysis of individual patient data (vol 394, pg 139, 2019). LANCET, 2020. 395(10241): p. 1906-1906.
30. Campbell, B.C.V., **Wijeratne, T.**, et al., Effect of Intravenous Tenecteplase Dose on Cerebral Reperfusion Before Thrombectomy in Patients with Large Vessel Occlusion Ischemic Stroke The EXTEND-IA TNK Part 2 Randomized Clinical Trial. JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION, 2020. 323(13): p. 1257-1265.
31. Campelj, D.G., **Hayes, A.**, et al., Sodium nitrate co-supplementation does not exacerbate low dose metronomic doxorubicin-induced cachexia in healthy mice. SCI REP, 2020. 10(1): p. 15044.
32. Campelj, D.G., **Hayes, A.**, et al., The Paradoxical Effect of PARP Inhibitor BGP-15 on Irinotecan-Induced Cachexia and Skeletal Muscle Dysfunction. CANCERS, 2020. 12(12).
33. Cartledge, S., **Vogrin, S.**, Falls, R., Tumur, O., Hopper, I., **Neil, C.**, et al., The Utility of Predicting Hospitalizations Among Patients with Heart Failure Using mHealth: Observational Study. JMIR MHEALTH UHEALTH, 2020. 8(12): p. e18496.
34. Cascinu, S., **Ananda, S.**, et al., Tumor Response and Symptom Palliation from RAINBOW, a Phase III Trial of Ramucirumab Plus Paclitaxel in Previously Treated Advanced Gastric Cancer. ONCOLOGIST, 2020. doi: 10.1002/onco.13623. Epub ahead of print.
35. Cheng, C., **Beauchamp, A.**, et al., Applying the Electronic Health Literacy Lens: Systematic Review of Electronic Health Interventions Targeted at Socially Disadvantaged Groups. JOURNAL OF MEDICAL INTERNET RESEARCH, 2020. 22(8).
36. Chieng, D., **Morton, J. B.**, et al., Multipolar mapping with the high-density grid catheter compared with conventional point-by-point mapping to guide catheter ablation for focal arrhythmias. JOURNAL OF CARDIOVASCULAR ELECTROPHYSIOLOGY, 2020. 31(9): p. 2288-2297.
37. Choy, C.C., **Duckham, R.**, et al., Longitudinal Assessment of Childhood Dietary Patterns: Associations with Body Mass Index z-Score among Children in the Samoan Ola Tuputupua'e (Growing Up) Cohort. CHILD OBES, 2020. 16(7): p. 534-543.
38. Cleminson, J.R., Stuart, A. L., **Pasco, J. A.**, Hodge, J. M., Berk, M., Samarasinghe, R. M., Williams, L. J., et al., Dietary tryptophan and bone health: a cross-sectional, population-based study. ARCHIVES OF OSTEOPOROSIS, 2020. 15(1):167.
39. Conduit, C., de Boer, R. H., **Greenberg, S.**, et al., Real-world impact of anti-HER2 therapy-related cardiotoxicity in patients with advanced HER2-positive breast cancer. ASIA-PACIFIC JOURNAL OF CLINICAL ONCOLOGY, 2020. 16(6): p. 356-362.
40. Cowdery, S.P., Stuart, A. L., **Pasco, J. A.**, Berk, M., Campbell, D., Bjerkeset, O., Williams, L. J., Mood disorder and cancer onset: evidence from a population-based sample of Australian women. BRAZ J PSYCHIATRY, 2020: :S1516-44462020005030203..
41. Cronin, O., **Kotowicz, M. A.**, et al., Characteristics of Early Paget's Disease in SQSTM1 Mutation Carriers: Baseline Analysis of the ZiPP Study Cohort. J BONE MINER RES, 2020. 35(7): p. 1246-1252.
42. Cruz-Jentoft, A.J., Hughes, B. D., **Scott, D.**, **Sanders, K. M.**, Rizzoli, R., et al., Nutritional strategies for maintaining muscle mass and strength from middle age to later life: A narrative review. MATURITAS, 2020. 132: p. 57-64.

43. Davis, J.A., Collier, F., **Pasco, J. A.**, Jacka, F. N., et al., Obesity, Akkermansia muciniphila, and Proton Pump Inhibitors: Is there a Link? OBESITY RESEARCH & CLINICAL PRACTICE, 2020. 14(6): p. 524-530.
44. Debruin, D.A., Timpani, C. A., **Hayes, A.**, et al., Exercise May Ameliorate the Detrimental Side Effects of High Vitamin D Supplementation on Muscle Function in Mice. JOURNAL OF BONE AND MINERAL RESEARCH, 2020. 35(6): p. 1092-1106.
45. Delahunty, R., Lee, M., **Ananda, S.**, et al., Utilisation of systemic therapy options in routine treatment of metastatic colorectal cancer in Australia. INTERNAL MEDICINE JOURNAL, 2020. 50(2): p. 165-172.
46. Deshpande, A., **Wijeratne, T.**, et al., Mapping geographical inequalities in access to drinking water and sanitation facilities in low-income and middle-income countries, 2000-17. LANCET GLOBAL HEALTH, 2020. 8(9): p. E1162-E1185.
47. Driscoll, A., Dinh, D., **Neil, C.**, et al., The Effect of Transitional Care on 30-Day Outcomes in Patients Hospitalised With Acute Heart Failure. HEART LUNG AND CIRCULATION, 2020. 29(9): p. 1347-1355.
48. **Duque, G., Al Saedi, A.**, et al., Differential Effects of Long-Term Caloric Restriction and Dietary Protein Source on Bone and Marrow Fat of the Aging Rat. JOURNALS OF GERONTOLOGY SERIES A-BIOLOGICAL SCIENCES AND MEDICAL SCIENCES, 2020. 75(11): p. 2031-2036.
49. **Duque, G.**, Vidal, C., **Al Saedi, A., Myers, D. E.**, et al., Picolinic Acid, a Catabolite of Tryptophan, Has an Anabolic Effect on Bone In Vivo. JOURNAL OF BONE AND MINERAL RESEARCH, 2020. 35(11): p. 2275-2288.
50. **Feehan, J.**, Kassem, M., Pignolo, R. J., **Duque, G.**, et al., Bone from Blood: Characteristics and Clinical Implications of Circulating Osteogenic Progenitor (COP) Cells. JOURNAL OF BONE AND MINERAL RESEARCH, 2020. 36(1):12-23.
51. Fernando, M., **Wong, S.**, Shapiro, J., et al., Prostate Cancer Treatments and Outcomes in the Elderly: A Retrospective Analysis of an Australian Real-World Cohort. 2020, WILEY. p. 49-49.
52. Fleming, N., **Hamblin, P. S.**, Story, D., Ekinci, E., et al., Evolving Evidence of Diabetic Ketoacidosis in Patients Taking Sodium-Glucose Cotransporter 2 Inhibitors. JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM, 2020. 105(8): p. 2475-2486.
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