**Newcastle 85+ Papers**

# 1) PAPERS IN DEVELOPMENT

Granic A, Martin-Ruiz C, Dodds R, Robinson L, Spyridopoulos I, Kirkwood T, von Zglinicki T, Sayer A. Immunosenescence profiles are not associated with muscle strength, physical performance and sarcopenia risk in very old adults: The Newcastle 85+ Study – ready for submission.

Granic A, Martin-Ruiz C, Rimmer L, Dodds RM, Robinson L, Spyridopoulos L, Kirkwood TBL, von Zglinicki T, Sayer AA. Immunosenescence profiles and multiple long-term conditions in very old adults: The Newcastle 85+ Study. To submit to Mechanisms of Ageing and Development.

Kingston A, Robinson L, Duncan R, Jagger C. Changes in dependency over ten years. In review at BMC Geriatrics.

Kingston A, Robinson L, Jagger C, Gilbody S, Coventry P. The relationship between depression and mortality in the very old. On Hold

Kingston A, Robinson L, Hanratty B, Jagger C. The impact of multimorbidity on mobility disability free life expectancy in the very old: results from the Newcastle 85+ Study. In preparation.

Ravensbergen WM, Blom JW, Kingston A, Robinson L, Kerse N, Teh R, Groenwold RHH, Gussekloo J, For the TULIPS consortium. Declining daily functioning as a prelude to a hip fracture in older persons – An individual patient data meta-analysis. JAMA Internal Medicine.

Wang PC, Gussekloo J, Arai Y, Abe Y, Blom J, Duncan R, Jagger C, Kerse N, Martin-Ruiz C, Palapar L, den Elzen WPJ. The effects of single and a combination of determinants of anaemia in the very old: Results from the TULIPS consortium. BMC Geriatrics

Teh R, Mendonca N, Muru-Lanning M, MacDonell S, Robinson L, Kerse N. Dietary protein intake and transition between frailty states in advanced age: LiLACS NZ. To be submitted to Nutrients

Davies LE, Kingston A, Todd A, Hanratty B. Is polypharmacy associated with mortality in the very old: findings from the Newcastle 85+ Study. Under review with BJCP

Davies LE, Kingston A, Todd A, Hanratty B. Prescribing at 95 years of age: findings from the Newcastle 85+ study. To submit to Age and Ageing

Bogaerts JMK, Poortvliet RKE, van der Klei VMGTH, Achterberg WP, Blom JW, Kerse N, Rolleston A, Teh R, Jagger C, Kingston A, Robinson L, Arai Y, Shikimoto R, Gussekloo J for the TULIPS Consortium. Disentangling the Varying Associations Between Systolic Blood Pressure and Health Outcomes in the Very Old: an Individual Patient Data Meta-analysis. Under review with Journal of Hypertension.

# 2) PLANNED PAPERS

Authors: TULIP consortium. International comparison in the hierarchy of disability (TULIPS) planned.

**3) PUBLISHED PAPERS**

# 2022

# Davies L, Kingston A, Brittain K, Lewis S, Wilkinson H, Robinson L. Describing transitions in residential status over 10 years in the very old: results from the Newcastle 85+ Study. Age and Ageing 2022

# 2021

Palapar, Leah; Kerse, Ngaire; Rolleston, Anna; den Elzen, Wendy P J; Gussekloo, Jacobijn; Blom, Jeanet W; Robinson, Louise; Martin-Ruiz, Carmen; Duncan, Rachel; Arai, Yasumichi; Takayama, Midori; Teh, Ruth. Anaemia and physical and mental health in the very old: An individual participant data meta-analysis of four longitudinal studies of ageing. Age and Ageing 2021; 50(1):113-119. DOI: 10.1093/ageing/afaa178.

Amin H.A., Cordell H.J., Martin-Ruiz C., Robinson L., Kirkwood T, Blakemore A.I., Drenos F. No evidence that genetic variation at the klotho locus is associated with longevity in the British Caucasions from the Newcastle 85 plus study and the UK Biobank. The Journal of Gerontology 2021

# Albani V, Robinson L, Hanratty B, Kingston A, Abe Y, Takayama M, Linuma T, Arai Y, Ramsay SE. Associations of poor oral health with frailty and physical functioning in the oldest old: results from two studies in England and Japan. BMC Geriatrics 2021 21(1):187, 2021 03 18

Davies LE, Kingston A, Todd A, Hanratty B. Characterising polypharmacy in the very old: Findings from the Newcastle 85+ Study: PLoS ONE**.** https://doi.org/10.1371/journal.pone.0245648

Gan E, Jagger C, Yadegarfar M, Duncan R, Pearce S. Changes in serum thyroid function predict cognitive decline in the very old: longitudinal findings from the Newcastle 85+ study. Thyroid 2021, Volume 31 No 8. <https://doi.org/10.1089/thy.2020.0596>

Lourida I, Boer JMA, Teh R, Kerse N, Mendonca N, Rolleston A, Sette S, Tapanainen H, Turrini A, Virtanen SM, Visser M, Jagger C. Association of daily physical activity and sedentary behavior and protein intake patterns in older adults: A multi-study analysis across five countries. Nutrients 2021; 13, 2574. <https://doi.org/10.3390/nu13082574>

Hakeem S, Mendonca N, Aspray TA, Kingston A, Martin-Ruiz C, Robinson L, Hill TR. [The Association between 25-Hydroxyvitamin D Concentration and Telomere Length in the Very-Old: The Newcastle 85+ Study](https://eprint.ncl.ac.uk/278865). Nutrients 2021, **13**(12), 4314

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Robert S Du Puy, Rosalinde K E Poortvliet, Simon P Mooijaart, Wendy P J den Elzen, Carol Jagger, Simon H S Pearce, Yasumichi Arai, Nobuyoshi Hirose, Ruth Teh, Oliver Menzies, Anna Rolleston, Ngaire Kerse, Jacobijn Gussekloo. Outcomes of Thyroid Dysfunction in People Aged Eighty Years and Older: An Individual Patient Data Meta-Analysis of Four Prospective Studies (Towards Understanding Longitudinal International Older People Studies Consortium). Thyroid 2020 November doi: 10.1089/thy.2020.0567. Online ahead of print.

Rantakokko M; Duncan R; Robinson L; Wilkie R. Natural history of social participation in the very old. Findings from the Newcastle 85+ Study. Journal of Aging and Health. https://doi.org/10.1177/0898264320944672

Keeble E, Parker S, Arora S, Neuburger J, Bardsley M, Duncan R, Kingston A, Hanratty B, Jagger C, Robinson L, Kirkwood T. Frailty, hospital use and mortality in the older population: findings from the Newcastle 85+ Study. Age and Ageing 2019, Volume 48, Issue 6, pages 797-802. <https://doi.org/10.1093/ageing/afz094>

# Peters R, Yasar S, Anderson CS et al. An investigation of antihypertensive class, dementia, and cognitive decline: A meta-analysis. Neurology 2020;94;1-15. https://doi.org/10.1212/WNL.0000000000008732.

Martin-Ruiz C, Hoffmann J, Shmeleva E, et al. CMV-independent increase in CD27-CD28+ CD8+ EMRA T cells is inversely related to mortality in octogenarians. NPJ Aging and Mechanisms of Disease 2020; 6: 3. https://doi.org/10.1038/s41514-019-0041-y

Mendonca N, Kingston A, Yadegarfar ME, Hanson H, Duncan R, Jagger C, Robinson L. Transitions between frailty states in the very old: the influence of socioeconomic status and multi-morbidity in the Newcastle 85+ cohort study. Age and Ageing March 2020: 49:974-981 doi: 10.1093/ageing/afaa054

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Mendonça N., Kingston A., Granic A., Hill T.R., Mathers J.C., Jagger C. Contribution of protein intake and its interaction with physical activity to transitions between disability states and to death in very old adults: the Newcastle 85+ Study. 2019 European Journal of Nutrition Volume 59, Issue 5, Pages 1909-1918 10.1007/s00394-019-02041-1 [https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069689260&doi=10.1007%2fs00394-019-02041-1&partnerID=40&md5=841551b76452ffdebfc8c9ceb2f1b53f](about:blank)

Du Puy RS, Poortvliet RKE, Mooijaart SP, den Elzen WPJ, Jagger C, Pearce SHS, Arai Y, Hirose N, Teh R, Menzies O, Rolleston A, Kerse N, Gussekloo J. Outcomes of Thyroid Dysfunction in people aged eighty years and older: An individual patient data meta-analysis of four prospective studies (towards understanding longitudinal international older people studies consortium). Thyroid 2020 November; Volume 31 Number 4 DOI:10.1089/thy.2020.0567

# 2019

Deelen J, Evans DS, Arking DE et al. A meta-analysis of genome-wide association studies identifies multiple longevity genes. Nature Communications (2019); 10:3669.

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Protein Intake and Disability Trajectories in Very Old Adults: The Newcastle 85+ Study

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67 1 50 56 10.1111/jgs.15592 [https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056089993&doi=10.1111%2fjgs.15592&partnerID=40&md5=1ad1c249e6b44e39abd934cdf48b5ccc](about:blank)

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Yadegarfar M, Jagger C, Duncan R, Fouweather T, Hanratty B, Parker S, Robinson L. Use of primary care and other healthcare services between age 85 and 90 years: longitudinal analysis of a single-year birth cohort, the Newcastle 85+ Study. BMJ Open 2018, (1),pp e0192018

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# 2014

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TULIP – Publications submitted and in preparation

Submitted

Pin-Chun Wang, Jacobijn Gussekloo, Yasu Arai, Jeanet W. Blom, Rachael Duncan, Carol Jagger, Ngaire Kerse, Tom B. Kirkwood, Carmen Martin-Ruiz, Stuart Parker, Wendy P. J. den

Elzen. The Effects of Single and a Combination of Determinants of Anaemia in the Very Old: Results from the TULIPS Consortium, under review BMC Geriatrics 2021

Pin-Chun Wang, Jacobijn Gussekloo, Yasu Arai, Jeanet W. Blom, Rachael Duncan, Carol Jagger, Ngaire Kerse, Tom B. Kirkwood, Carmen Martin-Ruiz, Stuart Parker, Wendy P. J. den Elzen. The Effects of Single and a Combination of Determinants of Anaemia in the Very Old: Results from the TULIPS Consortium, under review BMC Geriatrics 2021

In Preparation

Ravensbergen WM, Blom JW, Teh R, Robinson L, Kingston A, Muru-Lanning M, Groenwold RHH, Gussekloo J Declining daily functioning as a prelude to a hip fracture in older persons – An individual patient data meta-analysis. Final stages of preparation for submission.

Ravensbergen WM, Blom JW, Teh R, Robinson L, Kingston A, Muru-Lanning M, Groenwold RHH, Gussekloo J Declining daily functioning as a prelude to a hip fracture in older persons – An individual patient data meta-analysis. Final stages of preparation for submission.

Leah Palapar, Ruth Teh, Oliver Menzies, Katrina Allen, Ngaire Kerse, Jeanet Blom, Stella Trompet, Jacobijn Gussekloo, Yasumichi Arai, Yukiko Abe, Rachel Duncan, Louise Robinson, Andrew Kingston. Pain and Self-rated health in advanced age: the Tulip consortium.

Veerle van der Kleij, et al. Cardiovascular Disease and Apathy in advanced age; the TULIP consortium.

Jonathan Bogaerts, Gussekloo J, Teh R, Robinson L, Menzies O. “Blood pressure and decline in functioning”.

Milly van der Ploeg et al “Cholesterol and decline in functioning” is in draft form.

Ilianna Lourida, Jolanda M.A. Boer, Ruth Teh, Ngaire Kerse, Nuno Mendonça, Anna Rolleston, Stefania Sette, Heli Tapanainen, Aida Turrini, Suvi M. Virtanen, Marjolein Visser. Association of daily physical activity and sedentary behaviour with protein intake patterns in older adults: a multi-study analysis across five countries.