**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

# 2020

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

Hengeveld L.M,. Boer J.M.A., Gaudreau P., Heymans M.W., Jagger C., Mendonca N., Ocke M.S., Presse N., Sette S., Simonsick E.M., Tapanainen H., Turrini A., Virtanen S.M., Tapanainen H., Turrini A., Virtanen S.m., Wijnhoven H.A.H., Visser M. Prevalence of protein intake below recommended in community-dwelling older adults: a meta-analysis across cohorts from the PROMISS consortium. Journal of Cachexia, Sarcopenia and Muscle 2020; 11: 1212-1222. http://dx.doi.org/10.1002/jcsm.12580

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

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.

Granic A, Davies K, Dodds RM, Duncan R, Uwimpuhwe G, Pakpahan E, Robinson S, Sayer AA. Factors associated with change in self-reported physical activity in the very old: The Newcastle 85+ Study. Plos ONE 2019. Doi.org/10.1371/journal.pone.0218881

Granic A, Mendonca N, Sayer AA, Hill T, Davies K, Siervo M, Mathers JC, Jagger C. Effects of dietary patterns and low protein intake on sarcopenia risk in the very old: the Newcastle 85+ study. Clin Nut 2019.

Doi.org/10.1016/j.clnu.2019.01.009

Mendonca N, Jagger C, Granic A, et al. Plasma Vitamin B12, Supplementation and Mortality. J Gerontol A Biol Sci Med Sci 2019; 74(1): 138.

Deelen J, Evans DS, Arking DE, et al. A meta-analysis of genome-wide association studies identifies multiple longevity genes. Nat Commun 2019; 10(1): 3669.

Bateson M, Aviv A, Bendix L, et al. Smoking does not accelerate leucocyte telomere attrition: a meta-analysis of 18 longitudinal cohorts. R Soc Open Sci 2019; 6(6): 190420.

Mendonça N, Granic A, Hill TR, Siervo M, Mathers JC, Kingston A, Jagger C.

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

2019 Journal of the American Geriatrics Society

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

# 2018

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

Mendonça N et al. (2018) Elevated total homocysteine in all participants and plasma vitamin B12 concentrations in women are associated with all-cause and cardiovascular mortality in the very old: the Newcastle 85+ Study. J Gerontol A Biol Sci Med Sci 2018.

Granic A, Mendonça N, Hill TR, Jagger C, Stevenson EJ, Mathers JC, Sayer AA.

Nutrition in the very old

2018 Nutrients 10 3 269 10.3390/nu10030269 https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042659978&doi=10.3390%2fnu10030269&partnerID=40&md5=fd245496795da2bbf30c2bd6e0c90f80

Stephan BCM, Muniz-Terrera G, Granic A, Collerton J, Davies K, Saxby BK, Wesnes KA, Kirkwood TBL, Jagger C. Longitudinal changes in global and domain specific cognitive function in the very-old: findings from the Newcastle 85+ Study

2018 International Journal of Geriatric Psychiatry

33 2 298 306 10.1002/gps.4743 https://www.scopus.com/inward/record.uri?eid=2-s2.0-85021254299&doi=10.1002%2fgps.4743&partnerID=40&md5=03bc527d341b52e439ce2078c9c4afb0

# 2017

Harrison, S.L, de Craen, A.J.M, Kerse, N, Teh, R., Granic, A, Davies, K, Wesnes, K.A, den Elzen, W.P.J, Gussekloo, J, Kirkwood, T.B, Robinson, L, Jagger, C., Siervo, M, Stephan, B.C.M. Predicting Risk of Cognitive Decline in Very Old Adults Using Three Models: The Framingham Stroke Risk Profile; the Cardiovascular Risk Factors, Aging, and Dementia Model; and Oxi-Inflammatory Biomarkers. J Am Geriatr Soc 2017;65 (2):381-38

Granic A, Mendonça N et al. (2017) Low protein intake, muscle strength and physical performance in the very old: the Newcastle 85+ Study. Clin Nutr. doi.org/10.1016/j.clnu.2017.11.005.

Granic A, Davies K, Martin-Ruiz C, et al. Grip strength and inflammatory biomarker profiles in very old adults. Age and Ageing, 2017;46 (6):976-982.

Granic A, Davies K, Jagger C, et al. Initial level and rate of change in grip strength predict all-cause mortality in very old adults. Age and Ageing 2017;46 (6);970-976.

Granic A, Hill TR, Davies K, Jagger C, et al (2017) Vitamin D status, muscle strength and physical performance decline in very old adults: a prospective study. Nutrients, 9(4): pii: E379. doi: 10.3390/nu9040379

Lavrencic LM, Richardson C, Harrison SL, Muniz-Terrera G, Keage HAD, Brittain K, Kirkwood TBL, Jagger

C, Robinson L, Stephan BCM. Is There a Link Between Cognitive Reserve and Cognitive Function in the Oldest- Old? J Gerontol A Biol. Sci Med Sci 2017 Jul 22. doi: 10.1093/gerona/glx140

Mendonça N et al. (2017) One-carbon metabolism biomarkers and cognitive decline in the very old: the Newcastle 85+ Study. J Am Med Dir Assoc. 18(9): 806.

Mendonça N et al. (2017) Prevalence and determinants of low protein intake in very old adults: Insights from the Newcastle 85+ Study. Eur J Nutr. doi:10.1007/s00394-017-1537-5.

Harrison SL, de Craen AJM, Kerse N, Teh R, Granic A, Davies K, Wesnes KA, den Elzen WPJ, Gussekloo J, Kirkwood TB, Robinson L, Jagger C, Siervo M, Stephan BCM. Predicting Risk of Cognitive Decline in Very Old Adults Using Three Models: The Framingham Stroke Risk Profile; the Cardiovascular Risk Factors, Aging, and Dementia Model; and Oxi- Inflammatory Biomarkers. Journal of the American Geriatrics Society 2017; 65(2): 381-389.

# 2016

Hill, T. R., Mendonça N., Granic A., Siervo M., Jagger C., Seal C. J., Kerse N., Wham C., Adamson A. J. Mathers J. C., What do we know about the nutritional status of the very old? Insights from three cohorts of advanced age from the UK and New Zealand. The Proceedings of the Nutrition Society: 2016; 1-11

Collerton J, Jagger C, Yadegarfar ME, et al. Deconstructing Complex Multimorbidity in the Very Old: Findings from the Newcastle 85+ Study. BioMed research international 2016; 2016: 8745670-.

Dodds RM, Granic A, Davies K, Kirkwood.T.B.L., Jagger C, Sayer AA. Prevalence and incidence of sarcopenia in the very old: findings from the Newcastle 85+ study. *Journal of Cachexia, Sarcopenia and Muscle* 2017; 8(2):229-237. Fisher AJ, Yadegarfar ME, Collerton J, et al. Respiratory health and disease in a UK population-based cohort of 85 year olds: The Newcastle 85+Study. Thorax 2016; 71(3): 255-U68.

Granic A, Davies K, Jagger C, Kirkwood TBL, Sydall HE, Sayer AA. Grip Strength Decline and its Determinants in the Very Old: Longitudinal Findings from the Newcastle 85+ Study. *PLoS ONE* 2016; 11(9): e0163183.

Granic A, Jagger C, Davies K, et al. Effect of Dietary Patterns on Muscle Strength and Physical Performance in the Very Old: Findings from the Newcastle 85+Study. Plos One 2016; 11(3).

Granic A, Davies K, Adamson A, et al. Dietary Patterns High in Red Meat, Potato, Gravy, and Butter Are Associated with Poor Cognitive Functioning but Not with Rate of Cognitive Decline in Very Old Adults. Journal of Nutrition 2016; 146(2): 265-74.

Hill TR, Mendonca N, Granic A, Siervo M, Jagger C, Seal CJ, Kerse N, Wham C, Adamson AJ, Mathers JC. What do we know about the nutritional status of the very old? Insights from three cohorts of advanced age from the UK and New Zealand. The Proceedings of the Nutrition Society 2016; 1-11.

Hill TR, Granic A, Davies K, Collerton J, Martin-Ruiz C, Siervo M, Mathers JC, Adamson AJ, Francis RM, Pearce SH, Razvi S, Kirkwood TBL, Jagger C. Serum 25-hydroxyvitamin D concentration and its determinants in the very old: The Newcastle 85+ study. Osteoporosis International 2016, 27(3), 1199-1208.

Mendonca N, Mathers JC, Adamson A, et al. Intakes of Folate and Vitamin B12 and Biomarkers of Status in the Very Old: The Newcastle 85+ Study. *Nutrients* 2016; 8(10): 604.

Mendonca N, Hill TR, Granic A, et al. Micronutrient intake and food sources in the very old: analysis of the Newcastle 85+ Study. *British Journal of Nutrition* 2016; 116(4): 751-61.

Mendonca N, Hill TR, Granic A, et al. Macronutrient intake and food sources in the very old: Analysis of the Newcastle 85+ Study. *British Journal of Nutrition* 2016; 115(12): 2170-80.

Pearce SHS, Razvi S, Yadegarfar ME, et al. Serum Thyroid Function, Mortality and Disability in Advanced Old Age: The Newcastle 85+ Study. The Journal of Clinical Endocrinology & Metabolism 2016; 101(11): 4385-94.

Spyridopoulos I, Martin-Ruiz C, Hilkens C, et al. CMV seropositivity and T-cell senescence predict increased cardiovascular mortality in octogenarians: results from the Newcastle 85+ study. Aging cell 2016; 15(2): 389-92.

# 2015

Brittain KR, Kingston A, Davies K, et al. An investigation into the patterns of loneliness and loss in the oldest old – Newcastle 85+ Study. Ageing & Society 2015; FirstView: 1-24.

Cadar D, Stephan BCM, Jagger C, et al. The role of cognitive reserve on terminal decline: a cross-cohort analysis from two European studies: OCTO-Twin, Sweden, and Newcastle 85+, UK. *International Journal of Geriatric Psychiatry* 2015; 31(6): 601-10.

Duncan R, Francis RM, Jagger C, et al. Magnitude of fragility fracture risk in the very old—are we meeting their needs? The Newcastle 85+ Study. Osteoporos Int 2015; 26(1): 123-30.

Granic A, Davies K, Adamson A, et al. Dietary Patterns and Socioeconomic Status in the Very Old: The Newcastle 85+Study. *Plos One* 2015; 10(10).

Harrison SL, Stephan BCM, Siervo M, et al. Is There an Association Between Metabolic Syndrome and Cognitive Function in Very Old Adults? The Newcastle 85+Study. *Journal of the American Geriatrics Society* 2015; 63(4): 667- 75.

Innerd P, Catt M, Davies K, Collerton J, Kirkwood T, Jagger C. A comparison of physical activity measures from self- report and raw accelerometry in the very old: results from the Newcastle 85+ study. *Age and Ageing* 2015; 44(4): 691-4.

Kingston A, Davies K, Collerton J, et al. The enduring effect of education-socioeconomic differences in disability trajectories from age 85 years in the Newcastle 85+Study. Archives of Gerontology and Geriatrics 2015; 60(3): 405-11.

Mitnitski A, Collerton J, Martin-Ruiz C, et al. Age-related frailty and its association with biological markers of intrinsic ageing. *BMC Medicine* 2015; 13: 161.

\*Peters R, Collerton J, Granic A, Davies K, Kirkwood T, Jagger C. Antihypertensive drug use and risk of cognitive decline in the very old: an observational study - The Newcastle 85+Study. Journal of Hypertension 2015; 33(10): 2156-64.

\*Kerse N, Kepa M, Teh R, Dyall L. Cultures, ageing and wellbeing in Wellbeing in Later Life. Ed; Kirkwood T and Cooper C. Wiley Blackwell, London 2015.

# 2014

Anderson KN, Catt M, Collerton J, et al. Assessment of sleep and circadian rhythm disorders in the very old: The Newcastle 85+ cohort study. Age and Ageing 2014; 43(1): 57-63.

Collerton J, Kingston A, Yousaf F, et al. Utility of NT-proBNP as a rule-out test for left ventricular dysfunction in very old people with limiting dyspnoea: The Newcastle 85+ Study. BMC Cardiovascular Disorders 2014; 14(1).

Collerton J, Gautrey HE, Van Otterdijk SD, et al. Acquisition of aberrant DNA methylation is associated with frailty in the very old: Findings from the Newcastle 85+ Study. Biogerontology 2014; 15(4): 317-28.

Davies K, Kingston A, Robinson L, et al. Improving retention of very old participants in longitudinal research: Experiences from the Newcastle 85+ study. PLoS ONE 2014; 9(10).

Dodds RM, Syddall HE, Cooper R, et al. Grip Strength across the Life Course: Normative Data from Twelve British Studies. PLoS ONE 2014; 9(12): e113637.

Gautrey HE, Van Otterdijk SD, Cordell HJ, et al. DNA methylation abnormalities at gene promoters are extensive and variable in the elderly and phenocopy cancer cells. FASEB Journal 2014; 28(7): 3261-72.

Granic A, Aspray T, Hill T, et al. 25-hydroxyvitamin D and increased all-cause mortality in very old women: The Newcastle 85+ study. *Journal of Internal Medicine* 2014; 277(4): 456-67.

Granic A, Hill TR, Kirkwood TBL, et al. Serum 25-hydroxyvitamin D and cognitive decline in the very old: The Newcastle 85+ Study. *European Journal of Neurology* 2014; 22(1): 106-15.

Kingston A, Davies K, Collerton J, et al. The contribution of diseases to the male-female disability-survival paradox in the very old: Results from the Newcastle 85+ study. *PLoS ONE* 2014; 9(2).

\*Morris G, Kirkwood T. An Age of Wonders. The story of the Newcastle 85+ Study. Newcastle upon Tyne: Newcastle University; 2014.

Siervo M, Prado C, Hooper L, et al. Serum osmolarity and haematocrit do not modify the association between the impedance index (Ht2/Z) and total body water in the very old: The Newcastle 85+ Study. Archives of Gerontology and Geriatrics 2014; 60(1): 227-324.

Wiley L, Ashok D, Martin-Ruiz C, et al. Reactive oxygen species production and mitochondrial dysfunction in white blood cells are not valid biomarkers of ageing in the very old. PLoS ONE 2014; 9(3).

# 2013

Collerton J, Ashok D, Martin-Ruiz C, et al. Frailty and mortality are not influenced by mitochondrial DNA haplotypes in the very old. Neurobiology of Aging 2013; 34(12): 2889e1-e4.

Jefferis JM, Taylor JP, Collerton J, et al. The association between diagnosed glaucoma and cataract and cognitive performance in very old people: Cross-sectional findings from the Newcastle 85+ Study. *Ophthalmic Epidemiology* 2013; 20(2): 82-8.

# 2012

Collerton J, Martin-Ruiz C, Davies K, et al. Frailty and the role of inflammation, immunosenescence and cellular ageing in the very old: Cross-sectional findings from the Newcastle 85+ Study. Mechanisms of Ageing and Development 2012; 133(6): 456-66.

Collerton J, Kingston A, Bond J, et al. The personal and health service impact of falls in 85 year olds: Cross- sectional findings from the Newcastle 85+ Cohort Study. PLoS ONE 2012; 7(3).

Jefferis JM, Collerton J, Taylor JP, et al. The impact of visual impairment on mini-mental state examination scores in the Newcastle 85+ study. Age and Ageing 2012; 41(4): 565-8.

Kingston A, Collerton J, Davies K, Bond J, Robinson L, Jagger C. Losing the ability in activities of daily living in the oldest old: A hierarchic disability scale from the Newcastle 85+ study. *PLoS ONE* 2012; 7(2).

Yousaf F, Collerton J, Kingston A, et al. Prevalence of left ventricular dysfunction in a UK community sample of very old people: The Newcastle 85+ study. Heart 2012; 98(19): 1418-23.

# 2011

Den elzen WPJ, Martin-Ruiz C, von Zglinicki T, Westendorp RGJ, Kirkwood TBL, Gussekloo J. Telomere length and anaemia in old age: Results from the Newcastle 85-plus study\* and the Leiden 85-plus study. Age and Ageing 2011; 40(4): 494-500.

Duncan R, Francis RM, Collerton J, et al. Prevalence of arthritis and joint pain in the oldest old: Findings from the Newcastle 85+ study. *Age and Ageing* 2011; 40(6): 752-5.

Jagger C, Collerton JC, Davies K, et al. Capability and dependency in the Newcastle 85+ cohort study. Projections of future care needs. *BMC Geriatrics* 2011; 11.

Martin-Ruiz C, Jagger C, Kingston A, et al. Assessment of a large panel of candidate biomarkers of ageing in the Newcastle 85+ study. Mechanisms of Ageing and Development 2011; 132(10): 496-502.

# 2010

Davies K, Collerton JC, Jagger C, et al. Engaging the oldest old in research: Lessons from the Newcastle 85+ study. *BMC Geriatrics* 2010; 10.

# 2009

Adamson AJ, Collerton J, Davies K, et al. Nutrition in advanced age: Dietary assessment in the Newcastle 85 + study. European Journal of Clinical Nutrition 2009; 63(SUPPL. 1): S6-S18.

Collerton J, Davies K, Jagger C, et al. Health and disease in 85 year olds: baseline findings from the Newcastle 85+cohort study. *British Medical Journal* 2009; 339: b4904.

# 2007

Collerton J, Collerton D, Arai Y, et al. A comparison of computerized and pencil-and-paper tasks in assessing cognitive function in community-dwelling older people in the Newcastle 85+ pilot study. *Journal of the American Geriatrics Society* 2007; 55(10): 1630-5.

Collerton J, Barrass K, Bond J, et al. The Newcastle 85+ study: Biological, clinical and psychosocial factors associated with healthy ageing: Study protocol. *BMC Geriatrics* 2007; 7.

Collerton J, Martin-Ruiz C, Kenny A, et al. Telomere length is associated with left ventricular function in the oldest old: The Newcastle 85+ study. *European Heart Journal* 2007; 28(2): 172-6.

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.