

UMR 1027 : Epidémiologie et analyses en santé publique : risques, maladies chroniques et handicaps
Equipe Vieillessement - Axe MAINTAIN : MAIntain Functions and INTrinsec capacities with Aging :
Preventive and Personalized INterventional Research

Articles dans des revues internationales ou nationales avec comité de lecture ou dans les bases de
données internationales *Mise à jour janvier 2020*

2020

1. Maltais M, de Souto Barreto P, Perus L, et al. Multidomain Alzheimer Preventive Trial/Data Sharing Alzheimer (MAPT/DSA) Study Group (**Guyonnet S** collaborator). Prospective Associations Between Diffusion Tensor Imaging Parameters and Frailty in Older Adults [published online ahead of print, 2020 Jan 25]. *J Am Geriatr Soc.* 2020;10.1111/jgs.16343. doi:10.1111/jgs.16343

2019

1. Bowman GL, Dodge HH, **Guyonnet S**, et al. A blood-based nutritional risk index explains cognitive enhancement and decline in the multidomain Alzheimer prevention trial. *Alzheimers Dement (N Y)*. 2019;5:953–963. Published 2019 Dec 28. doi:10.1016/j.trci.2019.11.004
2. Coley N, Ngandu T, Lehtisalo J, et al. Adherence to multidomain interventions for dementia prevention: Data from the FINGER and MAPT trials (**Guyonnet S** collaborator). *Alzheimers Dement.* 2019;15(6):729–741. doi:10.1016/j.jalz.2019.03.005
3. Fougère B, Boulanger E, Nourhashémi F, **Guyonnet S**, Cesari M. Retraction to Chronic Inflammation: Accelerator of Biological Aging [retraction of: *J Gerontol A Biol Sci Med Sci.* 2017 Sep 1;72(9):1218-1225]. *J Gerontol A Biol Sci Med Sci.* 2019;74(3):431. doi:10.1093/gerona/gly284
4. Gabelle A, Jaussent I, Bouallègue FB, Lehmann S, Lopez R, Barateau L, Grasselli C, Pesenti C, de Verbizier D, Béziat S, Mariano-Goulart D, Carlander B, Dauvilliers Y; Alzheimer's Disease Neuroimaging Initiative; Multi-Domain Intervention Alzheimer's Prevention Trial study groups (**Guyonnet S** collaborator). Reduced brain amyloid burden in elderly patients with narcolepsy type 1. *Ann Neurol.* 2019 Jan;85(1):74-83. doi: 10.1002/ana.25373.
5. Giudici KV, **Guyonnet S**, Rolland Y, Vellas B, de Souto Barreto P, Nourhashemi F; MAPT/DSA Group. Body Weight Variation Patterns as Predictors of Cognitive Decline over a 5 Year Follow-Up among Community-Dwelling Elderly (MAPT Study). *Nutrients.* 2019 Jun 18;11(6). pii: E1371.
6. Rolland Y, Barreto PS, Maltais M, **Guyonnet S**, Cantet C, Andrieu S, Vellas B. Effect of Long-Term Omega 3 Polyunsaturated Fatty Acid Supplementation with or without Multidomain Lifestyle Intervention on Muscle Strength in Older Adults: Secondary Analysis of the Multidomain Alzheimer Preventive Trial (MAPT). *Nutrients.* 2019 Aug 16;11(8). pii: E1931.
7. Soriano G, De Barreto PS, Rolland Y, Plessz M, Goisser S, **Guyonnet S**, Fougère B, Vellas B, Andrieu S, Sourdet S; Groupe DSA MAPT. Ready-meal consumption in older people: association with obesity and dietary intake. *Aging Clin Exp Res.* 2019 Jun;31(6):855-861. doi: 10.1007/s40520-018-1043-5.

2018

1. Fougère B, de Souto Barreto P, Goisser S, Soriano G, **Guyonnet S**, Andrieu S, Vellas B; MAPT Study Group. Red blood cell membrane omega-3 fatty acid levels and physical performance: Cross-sectional data from the MAPT study. *Clin Nutr.* 2018 Aug;37(4):1141-1144. doi: 10.1016/j.clnu.2017.04.005.
2. Fougère B, de Souto Barreto P, Goisser S, Soriano G, **Guyonnet S**, Andrieu S, Vellas B; MAPT Study Group. Red blood cell membrane omega-3 fatty acid levels and physical performance: Cross-sectional data from the MAPT study. *Clin Nutr.* 2018 Aug;37(4):1141-1144. doi: 10.1016/j.clnu.2017.04.005.
3. Moon SY, de Souto Barreto P, Rolland Y, Chupin M, Bouyahia A, Fillon L, Mangin JF, Andrieu S, Cesari M, Vellas B; MAPT/DSA Study Group (**Guyonnet S** collab.. Prospective associations between white matter hyperintensities and lower extremity function. *Neurology.* 2018 Apr 10;90(15):e1291-e1297. doi: 10.1212/WNL.0000000000005289.
4. Nourhashemi F, Hooper C, Cantet C, Féart C, Gennero I, Payoux P, Salabert AS, **Guyonnet S**, De Souto Barreto P, Vellas B; Multidomain Alzheimer Preventive Trial/Data sharing Alzheimer (DSA) study group. Cross-sectional associations of plasma vitamin D with cerebral β -amyloid in older adults at risk of dementia. *Alzheimers Res Ther.* 2018 Apr 25;10(1):43. doi: 10.1186/s13195-018-0371-1.
5. Pothier K, Soriano G, Lussier M, Naudin A, Costa N, **Guyonnet S**, Piau A, Ousset PJ, Nourhashemi F, Vellas B, de Souto Barreto P. A web-based multidomain lifestyle intervention with connected devices for older adults: research protocol of the eMIND pilot randomized controlled trial. *Aging Clin Exp Res.* 2018 Sep;30(9):1127-1135. doi: 10.1007/s40520-018-0897-x.
6. Puissant-Lubrano B, Apoil PA, Guedj K, Congy-Jolivet N, Roubinet F, **Guyonnet S**, Sourdet S, Nourhashemi F, Blancher A. Distinct effect of age, sex, and CMV seropositivity on dendritic cells and monocytes in human blood. *Immunol Cell Biol.* 2018 Jan;96(1):114-120. doi: 10.1111/imcb.1004.
7. Soriano G, Goisser S, **Guyonnet S**, Vellas B, Andrieu S, Sourdet S. Misreporting of Energy Intake in Older People: Comparison of Two Dietary Assessment Methods. *J Nutr Gerontol Geriatr.* 2018 Jul-Dec;37(3-4):310-320. doi: 10.1080/21551197.2018.1505578.
8. Vinel C, Lukjanenko L, Batut A, Deleruyelle S, Pradère JP, Le Gonidec S, Dortignac A, Geoffre N, Pereira O, Karaz S, Lee U, Camus M, Chaoui K, Mouisel E, Bigot A, Mouly V, Vigneau M, Pagano AF, Chopard A, Pillard F, **Guyonnet S**, Cesari M, Burlet-Schiltz O, Pahor M, Feige JN, Vellas B, Valet P, Dray C. The exerkinine apelin reverses age-associated sarcopenia. *Nat Med.* 2018 Sep;24(9):1360-1371. doi: 10.1038/s41591-018-0131-6.

2017

1. Andrieu S, **Guyonnet S**, Coley N, Cantet C, Bonnefoy M, Bordes S, Bories L, Cufi MN, Dantoine T, Dartigues JF, Desclaux F, Gabelle A, Gasnier Y, Pesce A, Sudres K, Touchon J, Robert P, Rouaud O, Legrand P, Payoux P, Caubere JP, Weiner M, Carrié I, Ousset PJ, Vellas B; MAPT Study Group. Effect of long-term omega 3 polyunsaturated fatty acid supplementation with or without multidomain intervention on cognitive function in elderly adults with memory complaints (MAPT): a randomised, placebo-controlled trial. *Lancet Neurol.* 2017 May;16(5):377-389. doi: 10.1016/S1474-4422(17)30040-6.
2. Fougère B, Goisser S, Cantet C, Soriano G, **Guyonnet S**, De Souto Barreto P, Cesari M, Andrieu S, Vellas B; MAPT Study Group. Omega-3 fatty acid levels in red blood cell membranes and physical decline over 3 years: longitudinal data from the MAPT study. *Geroscience.* 2017 Aug;39(4):429-437. doi: 10.1007/s11357-017-9990-x.
3. Hooper C, De Souto Barreto P, Payoux P, Salabert AS, **Guyonnet S**, Andrieu S, Vellas B; MAPT/DSA study group. Cross-sectional associations of cortical β -amyloid with erythrocyte membrane long-chain UMR1027 - Equipe Vieillesse - Axe MAINTAIN - Sophie Guyonnet - Publications 2015-2020

polyunsaturated fatty acids in older adults with subjective memory complaints. *J Neurochem.* 2017 Aug;142(4):589-596. doi: 10.1111/jnc.14062.

4. Hooper C, De Souto Barreto P, Payoux P, Salabert AS, **Guyonnet S**, Andrieu S, Vellas B; MAPT/DSA study group. Cross-sectional associations of cortical β -amyloid with erythrocyte membrane long-chain polyunsaturated fatty acids in older adults with subjective memory complaints. *J Neurochem.* 2017 Aug;142(4):589-596. doi: 10.1111/jnc.14062.

2016

1. Andrieu S, Coley N, Rolland Y, Cantet C, Arnaud C, **Guyonnet S**, Nourhashemi F, Grand A, Vellas B; PLASA group. Assessing Alzheimer's disease patients' quality of life: Discrepancies between patient and caregiver perspectives. *Alzheimers Dement.* 2016 Apr;12(4):427-37. doi: 10.1016/j.jalz.2015.09.003.
2. Del Campo N, Payoux P, Djilali A, Delrieu J, Hoogendijk EO, Rolland Y, Cesari M, Weiner MW, Andrieu S, Vellas B; MAPT/DSA Study Group (**Guyonnet S** collaborator). Relationship of regional brain β -amyloid to gait speed. *Neurology.* 2016 Jan 5;86(1):36-43. doi: 10.1212/WNL.0000000000002235.
3. Dupuy C, de Souto Barreto P, Ghisolfi A, **Guyonnet S**, Dorigny B, Vellas B, Rolland Y. Indicators of oral nutritional supplements prescription in nursing home residents: A cross-sectional study. *Clin Nutr.* 2016 Oct;35(5):1047-52. doi: 10.1016/j.clnu.2015.07.015.
4. Fougère B, Boulanger E, Nourhashemi F, **Guyonnet S**, Cesari M. Chronic Inflammation: Accelerator of Biological Aging. *J Gerontol A Biol Sci Med Sci.* 2016 Dec 21. pii: glw240. doi: 10.1093/gerona/glw240.
5. Fougère B, Mazzuco S, Spagnolo P, **Guyonnet S**, Vellas B, Cesari M, Gallucci M. Association between the Mediterranean-style Dietary Pattern Score and Physical Performance: Results from TRELONG Study. *J Nutr Health Aging.* 2016;20(4):415-9. doi: 10.1007/s12603-015-0588-7.
6. Goisser S, **Guyonnet S**, Volkert D. The Role of Nutrition in Frailty: An Overview. *J Frailty Aging.* 2016;5(2):74-7. doi: 10.14283/jfa.2016.87.
7. Krams T, Cesari M, **Guyonnet S**, Abellan Van Kan G, Cantet C, Vellas B, Rolland Y. Is the 25-Hydroxy-Vitamin D Serum Concentration a Good Marker of Frailty? *J Nutr Health Aging.* 2016;20(10):1034-1039.
8. Lilamand M, Cesari M, del Campo N, Cantet C, Soto M, Ousset PJ, Payoux P, Andrieu S, Vellas B; MAPT Study Group (**Guyonnet S** collaborator). Brain Amyloid Deposition Is Associated With Lower Instrumental Activities of Daily Living Abilities in Older Adults. Results From the MAPT Study. *J Gerontol A Biol Sci Med Sci.* 2016 Mar;71(3):391-7. doi: 10.1093/gerona/glv155.
9. Montastier E, Becouarn G, Bérard E, **Guyonnet S**, Topart P, Ritz P. Gastric Bypass in Older Patients: Complications, Weight Loss, and Resolution of Comorbidities at 2 Years in a Matched Controlled Study. *Obes Surg.* 2016 Aug;26(8):1806-13. doi: 10.1007/s11695-015-2024-9.

2015

1. Dupuy C, Lauwers-Cances V, **Guyonnet S**, Gentil C, Abellan Van Kan G, Beauchet O, Schott AM, Vellas B, Rolland Y. Searching for a relevant definition of sarcopenia: results from the cross-sectional EPIDOS study *J Cachexia Sarcopenia Muscle.* 2015 Jun;6(2):144-54. doi: 10.1002/jcsm.12021.
2. **Guyonnet S**, Secher M, Ghisolfi A, Ritz P, Vellas B. Nutrition, Frailty and Prevention of Disabilities with Aging. *J Frailty Aging.* 2015;4(1):13-25. doi: 10.14283/jfa.2015.36.
3. **Guyonnet S**, Secher M, Vellas B. Nutrition, Frailty, Cognitive Frailty and Prevention of Disabilities with Aging. *Nestle Nutr Inst Workshop Ser.* 2015;82:143-52. doi: 10.1159/000382011.
4. Hoogendijk EO, van Kan GA, **Guyonnet S**, Vellas B, Cesari M. Components of the Frailty Phenotype in Relation to the Frailty Index: Results From the Toulouse Frailty Platform. *J Am Med Dir Assoc.* 2015 Oct 1;16(10):855-9. doi: 10.1016/j.jamda.2015.04.007..

5. **Guyonnet S**, Rolland Y. Screening for Malnutrition in Older People. Clin Geriatr Med. 2015 Aug;31(3):429-37. doi: 10.1016/j.cger.2015.04.009.
6. Hoogendijk EO, van Kan GA, **Guyonnet S**, Vellas B, Cesari M. Operationalization of a frailty index using routine data from the Toulouse Frailty Clinic. Geriatr Gerontol Int. 2015 Apr;15(4):519-20. doi: 10.1111/ggi.12403
7. Kelaiditi E, **Guyonnet S**, Cesari M. Is nutrition important to postpone frailty? Curr Opin Clin Nutr Metab Care. 2015 Jan;18(1):37-42. doi: 10.1097/MCO.000000000000129.
8. Lilamand M, Kelaiditi E, Cesari M, Raynaud-Simon A, Ghisolfi A, **Guyonnet S**, Vellas B, van Kan GA; Toulouse Frailty Platform Team. Validation of the Mini Nutritional Assessment-Short Form in a Population of Frail Elders without Disability. Analysis of the Toulouse Frailty Platform Population in 2013. J Nutr Health Aging. 2015 May;19(5):570-4. doi: 10.1007/s12603-015-0457-4.