



## ÉQUIPE VIEILLISSEMENT - Axe MAINTAIN

Equipe constitutive du CERPOP, UMR 1295, unité mixte INSERM - Université Toulouse III Paul Sabatier

MAINTAIN - MAintain Functions and INTrinsec capacities with Aging : Preventive and personalized INterventional Research

94 | Publications 2020

---

1. Afonso-Argilés FJ, Meyer G, Stephan A, Comas M, Wübker A, Leino-Kilpi H, Lethin C, Saks K, **Soto-Martin M**, Sutcliffe C, Verbeek H, Zabalegui A, Renom-Guiteras A; RightTimePlaceCare Consortium (**Vellas B**, **Sourdet S** collaborators). Emergency department and hospital admissions among people with dementia living at home or in nursing homes: results of the European RightTimePlaceCare project on their frequency, associated factors and costs. *BMC Geriatr.* 2020.20(1):453. [doi: 10.1186/s12877-020-01835-x](https://doi.org/10.1186/s12877-020-01835-x).
2. Aisen PS, Cummings J, Doody R, Kramer L, Salloway S, Selkoe DJ, Sims J, Sperling RA, **Vellas B**. The Future of Anti-Amyloid Trials. *J Prev Alzheimers Dis.* 2020.7(3):146-15 [doi: 10.14283/jpad.2020.24](https://doi.org/10.14283/jpad.2020.24).
3. Akenine U, Barbera M, Beishuizen CR, Fallah Pour M, Guillemont J, Rosenberg A, **Coley N**, Mangialasche F, Salo L, Savy S, Pols AJ, **Andrieu S**, Richard E, Soininen H, Moll van Charante E, Kivipelto M; HATICE study group. Attitudes of at-risk older adults about prevention of cardiovascular disease and dementia using eHealth: a qualitative study in a European context. *BMJ Open.* 2020.10(8):e037050. [doi: 10.1136/bmjopen-2020-037050](https://doi.org/10.1136/bmjopen-2020-037050).
4. Angioni D, Macaron T, Takeda C, **Sourdet S**, Cesari M, Virecoulon Giudici K, Raffin J, Lu WH, **Delrieu J**, Touchon J, **Rolland Y**, **de Souto Barreto P**, **Vellas B**. Can We Distinguish Age-Related Frailty from Frailty Related to Diseases ? Data from the MAPT Study. *J Nutr Health Aging.* 2020.24(10):1144-1151. [doi: 10.1007/s12603-020-1518-x](https://doi.org/10.1007/s12603-020-1518-x).
5. Angioni D, Macaron T, Takeda C, **Sourdet S**, Cesari M, Virecoulon Giudici K, Raffin J, Lu WH, **Delrieu J**, Touchon J, **Rolland Y**, **de Souto Barreto P**, **Vellas B**. Can We Distinguish Age-Related Frailty from Frailty Related to Diseases ? Data from the MAPT Study. *J Nutr Health Aging.* 2020.24(10):1144-1151. [doi: 10.1007/s12603-020-1518-x](https://doi.org/10.1007/s12603-020-1518-x).
6. Baldacci F, Lista S, Manca ML, Chiesa PA, Cavedo E, Lemercier P, Zetterberg H, Blennow K, Habert MO, Potier MC, Dubois B, Vergallo A, Hampel H; INSIGHT-preAD study group; Alzheimer Precision Medicine Initiative (APMI) (**Vellas B** collaborator). Age and sex impact plasma NFL and t-Tau trajectories in individuals with subjective memory complaints: a 3-year follow-up study. *Alzheimers Res Ther.* 2020.12(1):147. [doi: 10.1186/s13195-020-00704-4](https://doi.org/10.1186/s13195-020-00704-4).
7. Benbassat B, Cambronne C, **Gallini A**, Chaynes P, Lauwers F, de Bonnez G. The specific branches leading to the genioglossus muscle: three-dimensional localisation using skin reference points. *Surg Radiol Anat.* 2020;42(5):547-555. [doi:10.1007/s00276-019-02390-w](https://doi.org/10.1007/s00276-019-02390-w).
8. Bérard E, Huo Yung Kai S, **Coley N**, Bongard V, Ferrières J. Lockdown-related factors associated with the worsening of cardiovascular risk and anxiety or depression during the COVID-19 pandemic. *Prev Med Rep.* 2020 Dec 28;21:101300. [doi: 10.1016/j.pmedr.2020.101300](https://doi.org/10.1016/j.pmedr.2020.101300).
9. Bischoff-Ferrari HA, **Vellas B**, Rizzoli R, Kressig RW, da Silva JAP, Blauth M, Felson DT, McCloskey EV, Watzl B, Hofbauer LC, Felsenberg D, Willett WC, Dawson-Hughes B, Manson JE, Siebert U, Theiler R, Staehelin HB, de Godoi Rezende Costa Molino C, Chocano-Bedoya PO, Abderhalden LA, Egli A, Kanis JA, Orav EJ; DO-HEALTH Research Group. Effect of Vitamin D Supplementation, Omega-3 Fatty Acid Supplementation, or a Strength-Training Exercise Program on Clinical Outcomes in Older Adults: The DO-HEALTH Randomized Clinical Trial. *JAMA.* 2020 Nov 10;324(18):1855-1868. [doi: 10.1001/jama.2020.16909](https://doi.org/10.1001/jama.2020.16909).

10. Bolzinger M, Estivalèzes E, **Gallini A**, Polirsztok E, Abelin-Genevois K, Baunin C, Sales de Gauzy J, Swider P. MRI evaluation of the hydration status of non-pathological lumbar intervertebral discs in a pediatric population. *Orthop Traumatol Surg Res*. 2020 Nov;106(7):1281-1285. [doi](#): 10.1016/j.otsr.2019.11.034.
11. Briand M, De Nadaï T, Balardy L, **Rolland Y**, **Nourhashemi F**, **Sourdet S**, **Vellas B**. Autonomy and dependence in the elderly. *Rev Prat*. 2020 Mar;70(3):e97-e105. French. [PMID](#): 32877080.
12. Briand M, De Nadaï T, Balardy L, **Rolland Y**, **Nourhashemi F**, **Sourdet S**, **Vellas B**. Scales assessing geriatric dependence. *Rev Prat*. 2020 Mar;70(3):e106-e107. [PMID](#): 32877081.
13. Cases C, Lafont Rapnouil S, **Gallini A**, Arbus C, Salles J. Evidence of practice gaps in emergency psychiatric care for borderline personality disorder: how can this be explained? *BMC Psychiatry*. 2020 Sep 29;20(1):476. [doi](#): 10.1186/s12888-020-02892-7.
14. Cavedo E, Lista S, Khachaturian Z, Amouyel P, Herholz K, Jack Jr CR, Sperling R, Cummings J, Blennow K, O'Bryant S, Frisoni GB, Khachaturian A, Kivipelto M, Klunk W, Broich K, **Andrieu S**, Thiebaut de Schotten M, Mangin JF, Lammertsma AA, Johnson K, Teipel S, Drzezga A, Bokde A, Colliot O, Bakardjian H, Zetterberg H, Dubois B, **Vellas B**, Schneider LS, Hampel H. The Road Ahead to Cure Alzheimer's Disease: Development of Biological Markers and Neuroimaging Methods for Prevention Trials Across all Stages and Target Populations. *J Prev Alzheimers Dis*. 2014;1(3):181–20 [doi](#): 10.14283/jpad.2014.32.
15. Chauliac N, Leaune E, **Gardette V**, Poulet E, Duclos A. Suicide Prevention Interventions for Older People in Nursing Homes and Long-Term Care Facilities: A Systematic Review. *J Geriatr Psychiatry Neurol*. 2020.33(6):307-315. [doi](#): 10.1177/0891988719892343.
16. Ciangura C, Coupaye M, Deruelle P, Gascoin G, Calabrese D, Cosson E, Ducarme G, Gaborit B, Lelièvre B, Mandelbrot L, Petrucciani N, Quilliot D, **Ritz P**, Robin G, Sallé A, Gugenheim J, Nizard J; BARIA-MAT Group. Correction to: Clinical Practice Guidelines for Childbearing Female Candidates for Bariatric Surgery, Pregnancy, and Post-Partum Management after Bariatric Surgery. *Obes Surg*. 2020. (9):3650-3651. [doi](#): 10.1007/s11695-020-04479-3. Erratum for: *Obes Surg*. 2019.29(11):3722-3734.
17. **Coley N**, Hoevenaer-Blom MP, van Dalen JW, Moll van Charante EP, Kivipelto M, Soininen H, **Andrieu S**, Richard E; PRODEMOS consortium, the preDIVA study group, the MAPT/DSA group, and the HATICE consortium. Dementia risk scores as surrogate outcomes for lifestyle-based multidomain prevention trials—rationale, preliminary evidence and challenges. *Alzheimers Dement*. 2020. 16(12):1674-1685. [doi](#):10.1002/alz.12169.
18. Coste S, Gimenez L, Comes A, Abdelnour X, Dupouy J, **Escourrou E**. Discussing alcohol use with the GP: a qualitative study. *BJGP Open*. 2020 Jun 23;4(2):bjgpopen20X101029. [doi](#): 10.3399/bjgpopen20X101029.
19. Couret A, **Gallini A**, Poncet M, **Renoux A**, Lapeyre-Mestre M, **Gardette V**. Benzodiazepine Dispensing to Persons With Dementia in France, 2011-2016: A Nationwide Study. *J Am Med Dir Assoc*. 2020.21(6):830-836. [doi](#):10.1016/j.jamda.2020.02.019.
20. Dauphinot V, Bouteloup V, Mangin JF, **Vellas B**, Pasquier F, Blanc F, Hanon O, Gabelle A, Annweiler C, David R, Planche V, Godefroy O, Rivasseau-Jonveaux T, Chupin M, Fischer C, Chêne G, Dufouil C, Krolak-Salmon P. Subjective cognitive and non-cognitive complaints and brain MRI biomarkers in the MEMENTO cohort. *Alzheimers Dement (Amst)*. 2020.12(1):e12051. [doi](#): 10.1002/dad2.12051.
21. **Delrieu J**, **Voisin T**, Saint-Aubert L, Carrie I, **Cantet C**, **Vellas B**, Payoux P, **Andrieu S**. The impact of a multi-domain intervention on cerebral glucose metabolism: analysis from the randomized ancillary FDG PET MAPT trial. *Alzheimers Res Ther*. 2020 Oct 19;12(1):134. [doi](#): 10.1186/s13195-020-00683-6.
22. Drunat O, Roche J, Kohler S, Vernaudeau J, Saidlitz P, Lenoir H, **Soto-Martin M**, Lepetit A, Volpe-Gillot L, Leclercq V, Romdhani M, Koskas P, Lebert F. What the COVID pandemic entails for the management of patients with behavioral and psychological symptoms of dementia: experience in France. *Int Psychogeriatr*. 2020. 32(11):1361-1364. [doi](#): 10.1017/S1041610220003567.

23. El Haddad K, **de Souto Barreto P**, de Mazieres CL, **Rolland Y**. Effect of a geriatric intervention aiming to improve polypharmacy in nursing homes. *Eur Geriatr Med*. 2020.11(5):863-868. [doi: 10.1007/s41999-019-00279-w](https://doi.org/10.1007/s41999-019-00279-w).
24. El Haddad K, **Rolland Y**, Gérard S, Mourey L, **Sourdet S**, **Vellas B**, Stephan E, **Abellan Van Kan G**, **de Souto Barreto P**, Balardy L. No Difference in the Phenotypic Expression of Frailty among Elderly Patients Recently Diagnosed with Cancer Vs Cancer Free Patients. *J Nutr Health Aging*. 2020.24(2):147–151. [doi: 10.1007/s12603-019-1293-8](https://doi.org/10.1007/s12603-019-1293-8).
25. Elvsåshagen T, Bahrami S, van der Meer D, Agartz I, Alnæs D, Barch DM, Baur-Streubel R, Bertolino A, Beyer MK, Blasi G, Borgwardt S, Boye B, Buitelaar J, Bøen E, Celius EG, Cervenka S, Conzelmann A, Coyne D, Di Carlo P, Djurovic S, Eisenacher S, Espeseth T, Fatouros-Bergman H, Flyckt L, Franke B, Frei O, Gelao B, Harbo HF, Hartman CA, Håberg A, Heslenfeld D, Hoekstra PJ, Høgestøl EA, Jonassen R, Jönsson EG; Karolinska Schizophrenia Project (KaSP) consortium, Kirsch P, Kłoszewska I, Lagerberg TV, Landrø NI, Le Hellard S, Lesch KP, Maglanoc LA, Malt UF, Mecocci P, Melle I, Meyer-Lindenberg A, Moberget T, Nordvik JE, Nyberg L, Connell KSO, Oosterlaan J, Papalino M, Papassotiropoulos A, Pauli P, Pergola G, Persson K, de Quervain D, Reif A, Rokicki J, van Rooij D, Shadrin AA, Schmidt A, Schwarz E, Selbæk G, Soininen H, Sowa P, Steen VM, Tsolaki M, **Vellas B**, Wang L, Westman E, Ziegler GC, Zink M, Andreassen OA, Westlye LT, Kaufmann T. The genetic architecture of human brainstem structures and their involvement in common brain disorders. *Nat Commun*. 2020.11(1):4016. [doi: 10.1038/s41467-020-17376-1](https://doi.org/10.1038/s41467-020-17376-1).
26. **Escourrou E**, Bergeaut M, Gimenez L, Durliat I, Stillmunkés A, Oustric S, Dupouy J. Evolution of Reactions to Uncertainty Among Residents During a Clinical Rotation. *Fam Med*. 2020.52(5):339-345. [doi: 10.22454/FamMed.2020.403807](https://doi.org/10.22454/FamMed.2020.403807).
27. **Escourrou E**, Durrieu F, Chicoulaa B, Dupouy J, Oustric S, **Andrieu S**, **Gardette V**. Cognitive, functional, physical, and nutritional status of the oldest old encountered in primary care: a systematic review. *BMC Fam Pract*. 2020.21(1):58. [doi: 10.1186/s12875-020-01128-7](https://doi.org/10.1186/s12875-020-01128-7).
28. Ferré F, Boeschlin N, Bastiani B, Castel A, Ferrier A, Bosch L, Muscari F, Kurrek M, Fourcade O, **Piau A**, Minville V. Improving Provision of Preanesthetic Information Through Use of the Digital Conversational Agent "MyAnesth": Prospective Observational Trial. *J Med Internet Res*. 2020.22(12):e20455. [doi: 10.2196/20455](https://doi.org/10.2196/20455).
29. Frisoni GB, Molinuevo JL, Altomare D, Carrera E, Barkhof F, Barkhof J, **Delrieu J**, Dubois B, Kivipelto M, Nordberg A, Schott JM, van der Flier WM, **Vellas B**, Jessen F, Scheltens P, Ritchie C. Precision prevention of Alzheimer's and other dementias: Anticipating future needs in the control of risk factors and implementation of disease-modifying therapies. *Alzheimers Dement*. 2020.16(10):1457-1468. [doi: 10.1002/alz.12132](https://doi.org/10.1002/alz.12132).
30. Gauthier S, Aisen PS, Cummings J, Detke MJ, Longo FM, Raman R, Sabbagh M, Schneider L, Tanzi R, Tariot P, Weiner M, Touchon J, **Vellas B**; EU/US CTAD Task Force. Non-Amyloid Approaches to Disease Modification for Alzheimer's Disease: An EU/US CTAD Task Force Report.2020. *J Prev Alzheimers Dis*. 2020. 7(3):152-157. [doi: 10.14283/jpad.2020.18](https://doi.org/10.14283/jpad.2020.18).
31. Giudici KV, **de Souto Barreto P**, Beard J, **Cantet C**, Araujo de Carvalho I, **Rolland Y**, **Vellas B**; MAPT DSA group. Effect of long-term omega-3 supplementation and a lifestyle multidomain intervention on intrinsic capacity among community-dwelling older adults: Secondary analysis of a randomized, placebo-controlled trial (MAPT study). *Maturitas*. 2020.141:39-45. [doi: 10.1016/j.maturitas.2020.06.012](https://doi.org/10.1016/j.maturitas.2020.06.012).
32. Giudici KV, **de Souto Barreto P**, **Guyonnet S**, Li Y, Bateman RJ, **Vellas B**; MAPT/DSA Group. Assessment of Plasma Amyloid-β42/40 and Cognitive Decline Among Community-Dwelling Older Adults. *JAMA Netw Open*. 2020.3(12):e2028634. [doi: 10.1001/jamanetworkopen.2020.28634](https://doi.org/10.1001/jamanetworkopen.2020.28634).
33. Gombault-Datzenko E, **Gallini A**, Carcaillon-Bentata L, Fabre D, **Nourhashemi F**, **Andrieu S**, Rachas A, **Gardette V**. Alzheimer's disease and related syndromes and hospitalization: a nationwide 5-year longitudinal study. *Eur J Neurol*. 2020.27(8):1436-1447. [doi:10.1111/ene.14256](https://doi.org/10.1111/ene.14256).

34. Gonzalez-Bautista E, **Andrieu S**, Gutiérrez-Robledo LM, García-Chanes RE, **de Souto Barreto P**. In the quest of a Standard Index of Intrinsic Capacity. A Critical Literature Review. *J Nutr Health Aging*. 2020.24(9):959-965. [doi: 10.1007/s12603-020-1394-4](#).
35. Guerville F, **De Souto Barreto P**, Ader I, **Andrieu S**, Casteilla L, Dray C, Fazilleau N, **Guyonnet S**, Langin D, Liblaur R, Parini A, Valet P, Vergnolle N, **Rolland Y**, **Vellas B**. Revisiting the Hallmarks of Aging to Identify Markers of Biological Age. *J Prev Alzheimers Dis*. 2020.7(1):56–64. [doi: 10.14283/jpad.2019.50](#).
36. Guralnik J, Bandeen-Roche K, Bhasin SAR, Eremenco S, Landi F, Muscedere J, Perera S, Reginster JY, Woodhouse L, **Vellas B**. Clinically Meaningful Change for Physical Performance: Perspectives of the ICFSR Task Force. *J Frailty Aging*. 2020.9(1):9–13. [doi: 10.14283/jfa.2019.33](#).
37. Hampel H, Lista S, Vanmechelen E, Zetterberg H, Giorgi FS, Galgani A, Blennow K, Caraci F, Das B, Yan R, Vergallo A; Alzheimer's Precision Medicine Initiative (APMI) (**Vellas B** collaborator).  $\beta$ -Secretase1 biological markers for Alzheimer's disease: state-of-art of validation and qualification. *Alzheimers Res Ther*. 2020.12(1):130. [doi: 10.1186/s13195-020-00686-3](#).
38. He L, **de Souto Barreto P**, Aggarwal G, Nguyen AD, Morley JE, Li Y, Bateman RJ, **Vellas B**; MAPT/DSA Group (**Villars H** collaborator). Plasma A $\beta$  and neurofilament light chain are associated with cognitive and physical function decline in non-dementia older adults. *Alzheimers Res Ther*. 2020.12(1):128. [doi: 10.1186/s13195-020-00697-0](#).
39. He L, **de Souto Barreto P**, Aggarwal G, Nguyen AD, Morley JE, Li Y, Bateman RJ, **Vellas B**; MAPT/DSA Group (**Andrieu S**, **Coley N** collaborators). Plasma A $\beta$  and neurofilament light chain are associated with cognitive and physical function decline in non-dementia older adults. *Alzheimers Res Ther*. 2020.12(1):128. [doi:10.1186/s13195-020-00697-0](#).
40. Hooper C, **Coley N**, **De Souto Barreto P**, Payoux P, Salabert AS, **Andrieu S**, Weiner M, **Vellas B**. Cortical  $\beta$ -Amyloid in Older Adults Is Associated with Multidomain Interventions with and without Omega 3 Polyunsaturated Fatty Acid Supplementation. *J Prev Alzheimers Dis*. 2020.7(2):128–134. [doi: 10.14283/jpad.2020.4](#).
41. Jendoubi F, Gaudenzio N, **Gallini A**, Negretto M, Paul C, Bulai Livideanu C. Omalizumab in the treatment of adult patients with mastocytosis: A systematic review. *Clin Exp Allergy*. 2020.50(6):654-661. [doi: 10.1111/cea.13592](#).
42. Kivipelto M, Mangialasche F, Snyder HM, Allegri R, **Andrieu S**, Arai H, Baker L, Belleville S, Brodaty H, Brucki SM, Calandri I, Caramelli P, Chen C, Chertkow H, Chew E, Choi SH, Chowdhary N, Crivelli L, Torre R, Du Y, Dua T, Espeland M, Feldman HH, Hartmanis M, Hartmann T, Heffernan M, Henry CJ, Hong CH, Håkansson K, Iwatsubo T, Jeong JH, Jimenez-Maggiore G, Koo EH, Launer LJ, Lehtisalo J, Lopera F, Martínez-Lage P, Martins R, Middleton L, Molinuevo JL, Montero-Odasso M, Moon SY, Morales-Pérez K, Nitrini R, Nygaard HB, Park YK, Peltonen M, Qiu C, Quiroz YT, Raman R, Rao N, Ravindranath V, Rosenberg A, Sakurai T, Salinas RM, Scheltens P, Sevlever G, Soininen H, Sosa AL, Suemoto CK, Tainta-Cuezva M, Velilla L, Wang Y, Whitmer R, Xu X, Bain LJ, Solomon A, Ngandu T, Carrillo MC. World-Wide FINGERS Network: A global approach to risk reduction and prevention of dementia. *Alzheimers Dement*. 2020.16(7):1078-1094. [doi: 10.1002/alz.12123](#).
43. Kubatova N, Garg M, Whiley L, Chekmeneva E, Jiménez B, Gómez-Romero M, Pearce J, Kimhofer T, D'Hondt E, Soininen H, Kłoszewska I, Mecocci P, Tsolaki M, **Vellas B**, Aarsland D, Nevado-Holgado A, Liu B, Snowden S, Proitsi P, Ashton NJ, Hye A, Legido-Quigley C, Lewis MR, Nicholson JK, Holmes E, Brazma A, Lovestone S. Urinary metabolic phenotyping for Alzheimer's disease. *Sci Rep*. 2020.10(1):21745. [doi: 10.1038/s41598-020-78031-9](#).
44. Lu WH, **de Souto Barreto P**, **Rolland Y**, Rodríguez-Mañas L, Bouyahia A, Fischer C, Mangin JF, Giudici KV, **Vellas B**; MAPT/DSA Group. Cross-sectional and prospective associations between cerebral cortical thickness and frailty in older adults. *Exp Gerontol*. 2020.139:111018. [doi: 10.1016/j.exger.2020.111018](#).

45. Maltais M, **de Souto Barreto P**, Perus L, Mangin JF, Grigis A, Chupin M, Bouyahia A, Gabelle A, Delrieux J, **Rolland Y, Vellas B**. Prospective Associations between Diffusion Tensor Imaging Parameters and Frailty in Older Adults. *J Am Geriatr Soc*. 2020. 68(5):1050-1055. [doi: 10.1111/jgs.16343](https://doi.org/10.1111/jgs.16343).
46. Maltais M, **de Souto Barreto P**, Perus L, Mangin JF, Grigis A, Chupin M, Bouyahia A, Gabelle A, Delrieux J, **Rolland Y, Vellas B**, Multidomain Alzheimer Preventive Trial/Data Sharing Alzheimer (MAPT/DSA) Study Group (**Andrieu S, Abellan van Kan G, Villars H** collaborators). Prospective Associations Between Diffusion Tensor Imaging Parameters and Frailty in Older Adults. *J Am Geriatr Soc*. 2020.68(5):1050-1055. [doi: 10.1111/jgs.16343](https://doi.org/10.1111/jgs.16343).
47. Maltais M, **Rolland Y**, Boisvert-Vigneault K, Perus L, Mangin JF, Grigis A, Chupin M, Bouyahia A, Gabelle A, Delrieux J, **Vellas B, de Souto Barreto P**. Prospective associations between physical activity levels and white matter integrity in older adults: results from the MAPT study. *Maturitas*. 2020.137:24-29. [doi: 10.1016/j.maturitas.2020.04.012](https://doi.org/10.1016/j.maturitas.2020.04.012).
48. Mårtensson G, Ferreira D, Granberg T, Cavallin L, Oppedal K, Padovani A, Rektorova I, Bonanni L, Pardini M, Kramberger MG, Taylor JP, Hort J, Snædal J, Kulisevsky J, Blanc F, Antonini A, Mecocci P, **Vellas B**, Tsolaki M, Kłoszewska I, Soininen H, Lovestone S, Simmons A, Aarsland D, Westman E. The reliability of a deep learning model in clinical out-of-distribution MRI data: A multicohort study. *Med Image Anal*. 2020.66:101714. [doi: 10.1016/j.media.2020.101714](https://doi.org/10.1016/j.media.2020.101714).
49. Masciocchi E, Maltais M, El Haddad K, Virecoulon Giudici K, **Rolland Y, Vellas B, de Souto Barreto P**. Defining Vitality Using Physical and Mental Well-Being Measures in Nursing Homes: A Prospective Study. *J Nutr Health Aging*. 2020.24(1):37-42. [doi: 10.1007/s12603-019-1285-8](https://doi.org/10.1007/s12603-019-1285-8).
50. Morley JE, **Vellas B**. Editorial: COVID-19 and Older Adults. *J Nutr Health Aging*. 2020. 24(4):364–365. [doi: 10.1007/s12603-020-1349-9](https://doi.org/10.1007/s12603-020-1349-9).
51. Muscedere J, Afilalo J, Araujo de Carvalho I, Cesari M, Clegg A, Eriksen HE, Evans KR, Heckman G, Hirdes JP, Kim PM, Laffon B, Lynn J, Martin F, Prorok JC, Rockwood K, Rodrigues Mañas L, Rolfson D, Shaw G, Shea B, Sinha S, Theou O, Tugwell P, Valdiglesias V, **Vellas B**, Veronese N, Wallace LMK, Williamson PR. Moving Towards Common Data Elements and Core Outcome Measures in Frailty Research. *J Frailty Aging*. 2020. 9(1):14–22. [doi: 10.14283/jfa.2019.43](https://doi.org/10.14283/jfa.2019.43).
52. Nunziata V, Proietti M, Saporiti E, Calcaterra L, **Rolland Y, Vellas B**, Cesari M. Pain Management in Nursing Home Residents: Results from the INCUR Study. *J Nutr Health Aging*. 2020.24(9):1019-1022. [doi: 10.1007/s12603-020-1443-z](https://doi.org/10.1007/s12603-020-1443-z).
53. **Ousset PJ, Vellas B**. Viewpoint: Impact of the Covid-19 Outbreak on the Clinical and Research Activities of Memory Clinics: An Alzheimer's Disease Center Facing the Covid-19 Crisis. *J Prev Alzheimers Dis*. 2020.7(3):197-198. [doi: 10.14283/jpad.2020.17](https://doi.org/10.14283/jpad.2020.17).
54. **Pagès A**, Mazon M, Cool C, McCambridge C, **Cestac P, Rouch L**, Juillard-Condât B. Cost analysis of potentially inappropriate medication in older hospitalized patients. *Expert Rev Pharmacoecon Outcomes Res*. 2020.20(6):623-627. [doi: 10.1080/14737167.2020.1678384](https://doi.org/10.1080/14737167.2020.1678384).
55. **Pagès A**, Roland C, Qassemi S, Abdeljalil AB, Houles M, Romain M, Toulza O, Belloc A, McCambridge C, **Voisin T, Cestac P**, Juillard-Condât B; PharMoG study group. Impact of a Pharmacist-included Mobile Geriatrics team intervention on potentially inappropriate drug prescribing: protocol for a prospective feasibility study (PharMoG study). *BMJ Open*. 2020.10(12):e040917. [doi: 10.1136/bmjopen-2020-040917](https://doi.org/10.1136/bmjopen-2020-040917).
56. Parrotta I, **De Mauleon A**, Abdeljalil AB, **de Souto Barreto P**, Lethin C, Veerbek H, Stephan A, Saks K, Zabalegui A, **Soto Martin ME**. Depression in People With Dementia and Caregiver Outcomes: Results From the European Right Time Place Care Study. *J Am Med Dir Assoc*. 2020. 21(6):872-878.e1. [doi:10.1016/j.jamda.2020.02.023](https://doi.org/10.1016/j.jamda.2020.02.023).

57. Parrotta I, Maltais M, **Rolland Y**, Spampinato DA, Robert P, **de Souto Barreto P**, **Vellas B**; MAPT/DSA group. The association between apathy and frailty in older adults: a new investigation using data from the Mapt study. *Aging Ment Health*. 2020. 24(12):1985-1989. [doi](https://doi.org/10.1080/13607863.2019.1650890): 10.1080/13607863.2019.1650890.
58. **Piau A**, Bourgade G, Berbon C, **Nourhashemi F**, Louit C, Balardy L. Access to individualized oncology care for older patients in complex healthcare networks: The skilled nurse. *J Geriatr Oncol*. 2020.11(5):899-90. [doi](https://doi.org/10.1016/j.jgo.2019.10.014) : 10.1016/j.jgo.2019.10.014.
59. **Piau A**, Mattek N, Crissey R, Beattie Z, Dodge H, Kaye J. When Will My Patient Fall ? Sensor-Based In-Home Walking Speed Identifies Future Falls in Older Adults. *J Gerontol A Biol Sci Med Sci*. 2020.75(5):968-973. [doi](https://doi.org/10.1093/gerona/glz128) : 10.1093/gerona/glz128.
60. **Piau A**, Mattek N, Duncan C, Sharma N, Riley T, Kaye J. The Five W's of Falls: Weekly Online Health Survey of Community-Dwelling Older Adults: Analysis of 4 Years Prospective Follow-up. *J Gerontol A Biol Sci Med Sci*. 2020.75(5):946-951. [doi](https://doi.org/10.1093/gerona/glz114): 10.1093/gerona/glz114.
61. **Piau A**, Vautier C, **De Mauleon A**, Tchalla A, **Rumeau P**, **Nourhashemi F**, **Soto-Martin M**. Health workers perception on telemedicine in management of neuropsychiatric symptoms in long-term care facilities: Two years follow-up. *Geriatr Nurs*. 202. 41(6):1000-1005. [doi](https://doi.org/10.1016/j.gerinurse.2020.07.009): 10.1016/j.gerinurse.2020.07.009.
62. Poncet M, **Gardette V**, Couret A, **Renoux A**, Lapeyre-Mestre M, **Gallini A**. Benzodiazepine exposure in subjects with incident Alzheimer's disease and related syndromes in France: a longitudinal study 2011-2017. *Int Clin Psychopharmacol*. 2020.35(5):270-278. [doi](https://doi.org/10.1097/YIC.0000000000000312): 10.1097/YIC.0000000000000312.
63. Pottier E, Boulanouar L, Bertrand M, Estrade A, Croiset A, Martineau C, Plantec JY, Escourou B, **Ritz P**. A MOOC About Bariatric Surgery Improves Knowledge and Promotes Patients' Soft Skills. *Obes Surg*. 2020.30(4):1600-1604. [doi](https://doi.org/10.1007/s11695-019-04143-5): 10.1007/s11695-019-04143-5.
64. Qassemi S, **Pagès A**, **Rouch L**, Bismuth S, Stillmunkes A, Lapeyre-Mestre M, McCambridge C, Cool C, **Cestac P**. Potentially Inappropriate Drug Prescribing in French Nursing Home Residents: An Observational Study. *Pharmacy (Basel)*. 2020.8(3):E133. [doi](https://doi.org/10.3390/pharmacy8030133) :10.3390/pharmacy8030133.
65. Rodriguez-Mañás L, Araujo de Carvalho I, Bhasin S, Bischoff-Ferrari HA, Cesari M, Evans W, Hare JM, Pahor M, Parini A, **Rolland Y**, Fielding RA, Walston J, **Vellas B**. ICFSR Task Force Perspective on Biomarkers for Sarcopenia and Frailty. *J Frailty Aging*. 2020. 9(1):4–8. [doi](https://doi.org/10.14283/jfa.2019.32): 10.14283/jfa.2019.32.
66. **Rolland Y**, Lacoste MH, **de Mauleon A**, Ghisolfi A, **de Souto Barreto P**, Blain H, **Villars H**. Guidance for the Prevention of the COVID-19 Epidemic in Long-Term Care Facilities: A Short-Term Prospective Study. *J Nutr Health Aging*. 2020.24(8):812-816. [doi](https://doi.org/10.1007/s12603-020-1440-2): 10.1007/s12603-020-1440-2.
67. **Rolland Y**, Tavassoli N, **de Souto Barreto P**, Perrin A, Laffon de Mazières C, Rapp T, Hermabessière S, Tournay E, **Vellas B**, **Andrieu S**. Systematic Dementia Screening by Multidisciplinary Team Meetings in Nursing Homes for Reducing Emergency Department Transfers: The IDEM Cluster Randomized Clinical Trial. *JAMA Netw Open*. 2020.3(2):e200049. [doi](https://doi.org/10.1001/jamanetworkopen.2020.0049): 10.1001/jamanetworkopen.2020.0049.
68. Rosenberg A, **Coley N**, Soulier A, Kulmala J, Soininen H, **Andrieu S**, Kivipelto M, Barbera M, MIND-AD and HATICE groups. Experiences of dementia and attitude towards prevention: a qualitative study among older adults participating in a prevention trial. *BMC Geriatr*. 2020.20(1):99. [doi](https://doi.org/10.1186/s12877-020-1493-4): 10.1186/s12877-020-1493-4.
69. Rubroeks JAY, Smith AR, Smith RG, Pishva E, Ibrahim Z, Sattlecker M, Hannon EJ, Kłoszewska I, Mecocci P, Soininen H, Tsolaki M, **Vellas B**, Wahlund LO, Aarsland D, Proitsi P, Hodges A, Lovestone S, Newhouse SJ, Dobson RJB, Mill J, van den Hove DLA, Lunnon K. An epigenome-wide association study of Alzheimer's disease blood highlights robust DNA hypermethylation in the HOXB6 gene. *Neurobiol Aging*. 2020.95:26-45. [doi](https://doi.org/10.1016/j.neurobiolaging.2020.06.023): 10.1016/j.neurobiolaging.2020.06.023.
70. **Rouch L**, **Cestac P**, Sallerin B, Piccoli M, Benattar-Zibi L, Bertin P, Berrut G, Corruble E, Derumeaux G, Falissard B, Forette F, Pasquier F, Pinget M, Ourabah R, Danchin N, Hanon O, Vidal JS; S.AGES investigators. Visit-to-

- Visit Blood Pressure Variability Is Associated With Cognitive Decline and Incident Dementia: The S.AGES Cohort. *Hypertension*. 2020.76(4):1280-1288. [doi: 10.1161/HYPERTENSIONAHA.119.14553](#).
71. **Rouch L**, Vidal JS, Hoang T, **Cestac P**, Hanon O, Yaffe K. Systolic blood pressure postural changes variability is associated with greater dementia risk. *Neurology*. 2020.95(14):e1932-e1940. [doi: 10.1212/WNL.00000000000010420](#).
  72. Ruiz JG, Dent E, Morley JE, Merchant RA, Beilby J, Beard J, Tripathy C, Sorin M, **Andrieu S**, Aprahamian I, Arai H, Aubertin-Leheudre M, Bauer JM, Cesari M, Chen LK, Cruz-Jentoft AJ, **De Souto Barreto P**, Dong B, Ferrucci L, Fielding R, Flicker L, Lundy J, Reginster JY, Rodriguez-Mañas L, **Rolland Y**, Sanford AM, Sinclair AJ, Viña J, Waters DL, Won Won C, Woo J, **Vellas B**. Screening for and Managing the Person with Frailty in Primary Care: ICFSR Consensus Guidelines. *J Nutr Health Aging*. 2020.24(9):920-927. [doi: 10.1007/s12603-020-1492-3](#).
  73. Sabbagh MN, Boada M, Borson S, Chilukuri M, Doraiswamy PM, Dubois B, Ingram J, Iwata A, Porsteinsson AP, Possin KL, Rabinovici GD, **Vellas B**, Chao S, Vergallo A, Hampel H. Rationale for Early Diagnosis of Mild Cognitive Impairment (MCI) Supported by Emerging Digital Technologies. *J Prev Alzheimers Dis*. 2020.7(3):158-164. [doi: 10.14283/jpad.2020.19](#).
  74. Sabbagh MN, Boada M, Borson S, Chilukuri M, Dubois B, Ingram J, Iwata A, Porsteinsson AP, Possin KL, Rabinovici GD, **Vellas B**, Chao S, Vergallo A, Hampel H.. Early Detection of Mild Cognitive Impairment (MCI) in an At-Home Setting. *J Prev Alzheimers Dis*. 2020.7(3):171-178. [doi: 10.14283/jpad.2020.22](#).
  75. Sabbagh MN, Boada M, Borson S, Chilukuri M, Dubois B, Ingram J, Iwata A, Porsteinsson AP, Possin KL, Rabinovici GD, **Vellas B**, Chao S, Vergallo A, Hampel H.. Early Detection of Mild Cognitive Impairment (MCI) in Primary Care. *J Prev Alzheimers Dis*. 2020.7(3):165-170. [doi: 10.14283/jpad.2020.21](#).
  76. Salles J, Mariaux N, Franchitto N, **Sourdets S**, Arbus C. Substance use disorder in the elderly and specified DSM-5 criteria. *Geriatr Psychol Neuropsychiatr Vieil*. 2020.18(2):197-204. [doi: 10.1684/pnv.2020.0858](#).
  77. Salles J, Tiret B, **Gallini A**, Gandia P, Arbus C, Mathur A, Bougon E. Suicide Attempts: How Does the Acute Use of Alcohol Affect Suicide Intent? *Suicide Life Threat Behav*. 2020 Feb;50(1):315-328. [doi: 10.1111/sltb.12586](#).
  78. Scarpellini E, Arts J, Karamanolis G, Laurenus A, Siquini W, Suzuki H, Ukleja A, Van Beek A, Vanuytsel T, Bor S, Ceppa E, Di Lorenzo C, Emous M, Hammer H, Hellström P, Laville M, Lundell L, Masclee A, **Ritz P**, Tack J. International consensus on the diagnosis and management of dumping syndrome. *Nat Rev Endocrinol*. 2020 .16(8):448-466. [doi: 10.1038/s41574-020-0357-5](#).
  79. Shi J, Sabbagh MN, **Vellas B**. Alzheimer's disease beyond amyloid: strategies for future therapeutic interventions. *BMJ*. 2020 Oct 9;371:m3684. [doi: 10.1136/bmj.m3684](#).
  80. **Soriano G**, **De Souto Barreto P**, Virecoulon Giudici K, **Cantet C**, **Guyonnet S**, **Vellas B**, **Rolland Y**, **Andrieu S**; MAPT DSA Study Group (**Abellan van Kan G**, **Villars H** collaborators). Meal-related difficulties and weight loss in older people: Longitudinal data from MAPT study. *Clin Nutr*. 2020.39(11):3483-3488.. [doi: 10.1016/j.clnu.2020.03.011](#).
  81. **Sourdets S**, Brechemier D, Steinmeyer Z, Gerard S, Balardy L. Impact of the comprehensive geriatric assessment on treatment decision in geriatric oncology. *BMC Cancer*. 2020.20(1):384. [doi: 10.1186/s12885-020-06878-2](#).
  82. Steinmeyer Z, Delpierre C, **Soriano G**, Steinmeyer A, Ysebaert L, Balardy L, **Sourdets S**. Hemoglobin concentration; a pathway to frailty. *BMC Geriatr*. 2020 Jun 11;20(1):202. [doi: 10.1186/s12877-020-01597-6](#).
  83. Steinmeyer Z, Vienne-Noyes S, Bernard M, Steinmeyer A, Balardy L, **Piau A**, **Sourdets S**. Acute Care of Older Patients with COVID-19: Clinical Characteristics and Outcomes. *Geriatrics (Basel)*. 2020.5(4):E65. [doi: 10.3390/geriatrics5040065](#).
  84. Sur C, Kost J, Scott D, Adamczuk K, Fox NC, Cummings JL, Tariot PN, Aisen PS, **Vellas B**, Voss T, Mahoney E, Mukai Y, Kennedy ME, Lines C, Michelson D, Egan MF. BACE inhibition causes rapid, regional, and non-

- progressive volume reduction in Alzheimer's disease brain. *Brain*. 2020.143(12):3816-3826. [doi: 10.1093/brain/awaa332](https://doi.org/10.1093/brain/awaa332).
85. Takeda C, Angioni D, Setphan E, Macaron T, **De Souto Barreto P**, **Sourdets S**, Sierra F, **Vellas B**. Age-Related Frailty: A Clinical Model for Geroscience? *J Nutr Health Aging*. 2020.24(10):1140-1143. [doi: 10.1007/s12603-020-1491-4](https://doi.org/10.1007/s12603-020-1491-4).
86. Takeda C, **Guyonnet S**, **Ousset PJ**, **Soto M**, **Vellas B**. Toulouse Alzheimer's Clinical Research Center Recovery after the COVID-19 Crisis: Telemedicine an Innovative Solution for Clinical Research during the Coronavirus Pandemic. *J Prev Alzheimers Dis*. 2020.7(4):301-304. [doi: 10.14283/jpad.2020.32](https://doi.org/10.14283/jpad.2020.32).
87. Takeda C, **Guyonnet S**, Sumi Y, **Vellas B**, Araujo de Carvalho I. Integrated Care for Older People and the Implementation in the INSPIRE Care Cohort. *J Prev Alzheimers Dis*. 2020.7(2):70-74. [doi: 10.14283/jpad.2020.8](https://doi.org/10.14283/jpad.2020.8).
88. van Wanrooij LL, Hoevenaer-Blom MP, **Coley N**, Ngandu T, Meiller Y, Guillemont J, Rosenberg A, Beishuizen CRL, Moll van Charante EP, Soininen H, Brayne C, **Andrieu S**, Kivipelto M, Richard E. Pooling individual participant data from randomized controlled trials: Exploring potential loss of information. *PLoS One*. 2020.15(5):e0232970. [doi: 10.1371/journal.pone.0232970](https://doi.org/10.1371/journal.pone.0232970).
89. **Vellas B**. Sex-specific muscle and metabolic biomarkers associated with gait speed and cognitive transitions in older adults: a 9-year follow-up. *Geroscience*. 2020 Apr;42(2):585-593. [doi: 10.1007/s11357-020-00163-7](https://doi.org/10.1007/s11357-020-00163-7).
90. Vellas C, Delobel P, **de Souto Barreto P**, Izopet J. COVID-19, Virology and Geroscience: A Perspective. *J Nutr Health Aging*. 2020.24(7):685-691. [doi: 10.1007/s12603-020-1416-2](https://doi.org/10.1007/s12603-020-1416-2).
91. Vergallo A, Lista S, Lemercier P, Chiesa PA, Zetterberg H, Blennow K, Potier MC, Habert MO, Baldacci F, Cavedo E, Caraci F, Dubois B, Hampel H; INSIGHT-preAD study group and the Alzheimer Precision Medicine Initiative (APMI); INSIGHT-preAD study group; Alzheimer Precision Medicine Initiative (APMI) (**Vellas B** collaborator). Association of plasma YKL-40 with brain amyloid- $\beta$  levels, memory performance, and sex in subjective memory complainers. *Neurobiol Aging*. 2020.96:22-32. [doi: 10.1016/j.neurobiolaging.2020.07.009](https://doi.org/10.1016/j.neurobiolaging.2020.07.009).
92. Wessels AM, Lines C, Stern RA, Kost J, Voss T, Mozley LH, Furtek C, Mukai Y, Aisen PS, Cummings JL, Tariot PN, **Vellas B**, Dupre N, Randolph C, Michelson D, Andersen SW, Shering C, Sims JR, Egan MF. Cognitive outcomes in trials of two BACE inhibitors in Alzheimer's disease. *Alzheimers Dement*. 2020.16(11):1483-1492. [doi: 10.1002/alz.12164](https://doi.org/10.1002/alz.12164).
93. Yu JT, Xu W, Tan CC, **Andrieu S**, Suckling J, Evangelou E, Pan A, Zhang C, Jia J, Feng L, Kua EH, Wang YJ, Wang HF, Tan MS, Li JQ, Hou XH, Wan Y, Tan L, Mok V, Tan L, Dong Q, Touchon J, Gauthier S, Aisen PS, **Vellas B**. Evidence-based prevention of Alzheimer's disease: systematic review and meta-analysis of 243 observational prospective studies and 153 randomised controlled trials. *J Neurol Neurosurg Psychiatry*. 2020 .91(11):1201-1209. [doi: 10.1136/jnnp-2019-321913](https://doi.org/10.1136/jnnp-2019-321913).
94. Zacarin A, Strumia M, **Piau A**, Bagheri H. [Potentially inappropriate medication: Adaptation of EU(7)PIM criteria to the French medical practice]. *Therapie*. 2020. 75(6):663-673. [doi: 10.1016/j.therap.2020.06.001](https://doi.org/10.1016/j.therap.2020.06.001).