

Curriculum Vitae France Mourey

Date and place of birth: 22th 1955 Besançon France

Address: 6 boulevard des Gorgets - 21000 Dijon-France

e-mail: france.mourey@u-bourgogne.f

Current activity: Professor / University of Burgundy, INSERM 1093 Cognition, Action, and Sensorimotor Plasticity

Education:

- Graduate in Physiotherapy, 1976
- Post-graduate (MA) in Sciences and techniques applied to the handicap and to the rehabilitation. The effects of the ageing on the organization of the posture and the movement, 1990.
- PhD 1997 from University of Burgundy. Kinematic, electromyographic and dynamic analysis of sit to stand transfer.

Activities of research

- Clinical research: the disorders of equilibrium and gait in elderly subjects.
- Laboratory: kinematic and dynamic analysis of the effects of the normal and pathological ageing on movement and balance; influence of normal and pathological aging on sensorimotor processes.

Publications from 4 last years:

1. Kubicki A, Brika M, Laroche D, Coquisart L, Basile G, **Mourey F**. The Frail'BESTest. An adaptation of the "Balance Evaluation System Test" for frail older adults. Description,

internal consistency and inter-rater reliability. *Clinical Interventions in Aging* 2020;15:1249–1262.

2. Blumen HM, Cavallari P, **Mourey F**, Yiou E. Editorial: Adaptive Gait and Postural Control: from Physiological to Pathological Mechanisms, Towards Prevention and Rehabilitation. *Front Aging Neurosci* 2020 Feb 25;12:45
3. Poirier G, Papaxanthis C, **Mourey F**, Gaveau J. Motor Planning of Vertical Arm Movements in Healthy Older Adults: Does Effort Minimization Persist With Aging? *Front Aging Neurosci.* 2020 Feb 25;12:37.
4. Brika M, Bossu M, Fautrelle L, **Mourey F**, Kubicki A. Geriatric Rehabilitation and COVID-19: a Case Report. *SN Compr Clin Med.* 2020 Nov 9:1-9.
5. Bracco Manzino L, Poirier G, Pinto-Carral A, **Mourey F**. Effect of dance therapy in physical abilities in the elderly with dementia: a systematic review. *Eur J Geriatr Gerontol* 2021;3(3):134-142
6. Bourrelier J, Fautrelle L, Haratyk E, Manckoundia P, Mérienne F, **Mourey F**, Kubicki A. Enhancement of Anticipatory Postural Adjustments by Virtual Reality in Older Adults with Cognitive and Motor Deficits: A Randomised Trial. *Geriatrics (Basel).* 2021 Jul 22;6(3):72
7. Gauthier A, Lagarde C, **Mourey F**, Manckoundia P. Use of Digital Tools, Social Isolation, and Lockdown in People 80 Years and Older Living at Home. *Int. J. Environ. Res. Public Health* 2022, 19, 290
8. Poirier G, Lebigre M, **Mourey F**, Papaxanthis CH, Gaveau J. Muscle effort is best minimized by the dominant arm in the gravity field. *Journal of Neurophysiology*, 30 Mar 2022, 127(4):1117-1126 DOI: [10.1152/jn.00324.2021](https://doi.org/10.1152/jn.00324.2021)
9. Poirier G, Ohayon A, Juranville A, **Mourey F**, Gaveau J. Deterioration, compensation and motor control processes in healthy aging, Mild Cognitive Impairment and Alzheimer's Disease. *Geriatrics (Basel)* . 2021 Mar 23;6(1):33. doi: 10.3390/geriatrics6010033.
10. Manckoundia P, Mourey F. Cognition Impairment and Gait Disorders in Older Adults. *Int. J. Environ. Res. Public Health* 2022, 19, 7347
11. Hilt P, Bertrand M, Féasson L, Lebon F, **Mourey F**, Ruffino C, Rozand V. Motor imagery training is beneficial for motor memory of upper and lower limb tasks in very old adults. *Int. J. Environ. Res. Public Health* 2023, 20(4), 3541; <https://doi.org/10.3390/ijerph20043541>

12. Bracco L, Cornaro C, Pinto-Carral A, Koch SC, **Mourey F**. Tango-Therapy Intervention for Older Adults with Cognitive Impairment Living in Nursing Homes: Effects on Quality of Life, Physical Abilities and Gait. *Int J Environ Res Public Health* .2023 Feb 16;20(4):3521.
13. Poirier G, **Mourey F**, Sirandre C, Gaveau J. Speed-dependent optimization of gravity effects for motor control [10.1101/2023.03.14.532654](https://doi.org/10.1101/2023.03.14.532654)
14. Delaire L, Courtay A, Humblot J, Aubertin-Leheudre M , **Mourey F**, Racine AN , Gilbert Th, Niassé-Sy Z, Bonnefoy M. Implementation and core components of a multimodal program including exercise and nutrition in prevention and treatment of frailty in community-dwelling older adults: A narrative review. *Nutrients* 2023,15, 4100.