



3.1.6 Multiple Sclerosis Research Group

Publications: 2 | Q1:1

COMPOSITION

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- **Laura Lillo Triguero.** Facultativo Especialista de Área en Neurología. Hospital Universitario de Getafe
- **Guillermo Martín Ávila.** Facultativo Especialista de Área en Neurología. Hospital Universitario de Getafe
- **Alejandro Méndez Burgos.** Facultativo Especialista Adjunto Neurología. Hospital Universitario de Getafe
- **Belén Pilo de la Fuente.** Facultativo Especialista de Área en Neurología. Hospital Universitario de Getafe

STRATEGIC OBJECTIVES

- To assess the progression of multiple sclerosis using gait analysis with inertial sensors to find more objective, sensitive and reliable measures to detect and monitor the clinical progression of progressive Multiple Sclerosis. To validate selected measures provided by inertial sensors to monitor gait in a prospective cohort of patients with Multiple Sclerosis in early (primary and secondary) stages.
- We are specially focused in the assessment of the efficacy and effectiveness of techniques such as Mindfulness and we evaluate hypothetical mediators of response, such as neurotrophic factors or factors related to inflammatory response.
- Moreover, the group is involved in the evaluation of new treatments or new indications in mental disorders through the participation in clinical trials.

RESEARCH LINES

- Gait study with biosensors in multiple sclerosis patients.
- Covid-19 in multiple sclerosis
- Late-onset multiple sclerosis
- Use of motion sensors in essential tremor

RESEARCH ACTIVITY

Publications

- **Casanova I, Domínguez-Mozo MI, de Torres L, Aladró-Benito Y, García-Martínez A, Gómez P, Abellán S, de Antonio E, Álvarez-Lafuente R.** MicroRNAs associated with disability progression and clinical activity in multiple sclerosis patients treated with glatiramer acetate. *Biomedicines*. 2023; 11(10): 2760. Article. IF: 3.9; Q2
- **Oreja-Guevara C, Rabanal A, Rodríguez CH, Benito YA, Bilbao MM, González-Suarez I, Gómez-Palomares JL.** Assisted reproductive techniques in multiple sclerosis: Recommendations from an expert panel. *Neurol. Ther.* 2023; 12(2): 427-39. Review. IF: 3.9; Q1

Research projects

- **Aladro Benito Y.** Monitoring of gait impairment progression using wearable sensors in patients with progressive multiple sclerosis. Roche Merck-Serono. 2021-Ongoing. *Managment centre: Hospital Universitario de Getafe*

