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**Category:** Industry

**Workshop Title:** Fesia Grasp: Revolutionizing Hand Rehabilitation with Innovative FES Technology

**Organizer(s):** Aitor Martín Odriozola

**Speaker(s):** Martín-Odriozola, Aitor, Fesia Technology  
Cristina Rodríguez, Pablo Fernández, Haritz Zabaleta

**Workshop Time:** 08:15 - 09:45

**Attendee Engagement:** During our workshop, we will actively engage attendees through a combination of interactive formats.

- Hands-on time and live demonstrations: A significant portion of the workshop will be dedicated to practical, hands-on experience with the Fesia Grasp device. Attendees will have the opportunity to interact directly with the device, exploring its features and learning how to apply it in a clinical setting.
- Discussion round: after the hands-on session, we will facilitate group discussions where participants can share insights, experiences, and potential applications of the technology in their own practice.
- Q&A session: there will be dedicated time for open Q&A, encouraging attendees to ask questions about the technology, its clinical uses, and how to integrate it into patient care.

**Abstract:** Fesia Grasp is an advanced device developed to assist in the rehabilitation of patients suffering from neurological disorders that impair hand function. By using Functional Electrical Stimulation (FES), Fesia Grasp delivers targeted electrical impulses to specific muscle groups in the upper limb, allowing patients to regain voluntary control of hand movements. This technology aims to enhance motor recovery, particularly in individuals affected by conditions such as stroke, spinal cord injuries, or other neurological impairments.

In this workshop, participants will be introduced to the latest innovations in FES technology and the benefits of using Fesia Grasp as part of a comprehensive rehabilitation approach. The session will cover both the theoretical foundation and practical application of the device, offering insights into its clinical use for restoring hand function.

The workshop will also showcase evidence-based results from clinical studies, demonstrating significant improvements in the upper limb functionality of patients treated with Fesia Grasp. Attendees will have the unique opportunity to participate in a hands-on session, exploring the device's features, setup, and operation. This interactive segment will provide practical experience in integrating Fesia Grasp into clinical practice, enabling participants to better support their patients' rehabilitation journeys.

Key learning objectives of the workshop include:

- Gaining a clear understanding of the principles behind Functional Electrical Stimulation and how it can be applied to upper limb rehabilitation.
- Learning how Fesia Grasp facilitates motor recovery in patients with neurological injuries, improving their independence and quality of life.
- Obtaining hands-on experience with the Fesia Grasp device through live demonstrations and practical exercises, ensuring attendees leave with the skills necessary to apply this technology in their daily clinical work.