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As a physiatrist, i.e. a physician specialised in physical and rehabilitation medicine, I am devoted to rehabilitating patients with neurological diseases. As a result, I developed particular expertise in managing early inpatient rehabilitation after an acute neurological impairment (e.g. stroke, traumatic brain injury, acute polyneuropathies).

In addition, I am interested in the outpatient rehabilitation of peripheral neuropathies and other diseases of the peripheral nervous system. With this regard, I am also competent in clinical neurophysiology (mainly nerve conduction studies and electromyography)

As a researcher, I have expertise in the techniques for the study of Human motor control, including movement and EMG recording, techniques for the assessment of Human spinal and cortico-spinal excitability (e.g. conditioning of the H-reflex, conditioning of the motor potentials evoked by the TMS) and repetitive TMS.

I also have expertise in clinical tests, force platforms and inertial measurement units for balance and fall risk assessment.

My third research interest is psychometrics. In this regard, I mainly use the Rasch analysis to evaluate and develop questionnaires and tests.

I am the author of 46 papers indexed in PubMed and Scopus. I am the first or last author of 29 of them.