



Physical and occupational therapy for orthopedic conditions: focus on the hand

Lecture by **Elisa Taglione**
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hosted by Prof. Maria Chiara Carrozza
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BioRobotics PhD

Seminars Cycle on Wearable and Collaborative Robotics

Monday December 21, 2020 - 6.00 pm

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ABSTRACT: Rehabilitation in orthopedic and surgical conditions is a process that starts with a structure-specific exercise-based intervention in the early phases and progresses restoring functional abilities to maximise individuals' occupational performance. Hands are the most exposed and vulnerable parts of the body; the majority of traumatic injuries are work-related and frequently involve many different structures and systems, requiring complex surgical procedures followed by intensive rehabilitation therapy. Hand dysfunction can result in limitation or loss of independence in all performance areas, deeply affecting a person's life; hand therapy must therefore focus not only on physical impairment but also on psychosocial factors.

BIOSKETCH: **Dr. Elisa Taglione** is the medical director and head of research projects of the INAIL Motor Rehabilitation Centre. She was born on September 23, 1964, and received her Doctor of Medicine degree with honors in 1992 from Pisa University and the post-graduate specialization in Rheumatology in 1997. She has been working as a Rehabilitation Physician at INAIL Rehabilitation Centre since April 2000, and was adjunct professor in Occupational Therapy degree course at Pisa University from 2003 to 2011. Throughout her professional career she has gained competence in the field of rehabilitation of rheumatologic and orthopedic-traumatologic conditions, especially involving the hand.

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