



RESEARCH GRANT FOR STUDENTS UNDER 29 YEARS OLD



Title: MAMBO - Misurazione e l'Allenamento della forza della Mano e della Bocca
(Measuring and training of the hand and bite force)
Duration: 2 years
Starting date: September 2019
Founder: PO FESR LIGURIA 2014-2020 - Asse 3 "Istruzione e Formazione"



Project description:

The project aims at the clinical validation of a System for the Measurement and Training of Hand and Mouth force (MAMBO) which integrates the use of sensors for measuring force in an IT platform capable of managing the signal from the sensors in real time.

Bite and pinch activities are complex motor tasks in which the bilateral coordination ability requires a high degree of sensorimotor integration between the two cerebral hemispheres.

In several cases, an association between loss of strength in the bite and pinch and loss of independence in the ADL has been demonstrated.

The innovative device allows, in the presence of some neurological, rheumatic and dental pathologies, the execution of simple and economic procedures for the evaluation of their impact on the quality of life, as well as their screening and staging.

