



LUIGI TESIO, MD

Full Professor of Physical Medicine and Rehabilitation, School of Medicine
Università degli Studi di Milano, Italy
Director
Department of Rehabilitation and Laboratory of Research of Neuromotor Rehabilitation
IRCCS* Istituto Auxologico Italiano, Milan, Italy

Born October 3rd 1952, Vittorio Veneto (Treviso)-Italy, Italian citizen
Married, two sons

EDUCATION

1977 Medical degree -cum laude- Università degli Studi di Milano,
Thesis: Neural control of the velocity of development of muscle tension (in Italian)
1980 Specialization in Physical Medicine and Rehabilitation -cum laude- Università degli Studi
di Milano,
Thesis: Multifactorial analysis of human locomotion (in Italian)

LANGUAGES

Native Italian
English and French, fluent

CONTACT DETAILS

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** IRCCS are 50 Hospitals with special acknowledgment and research funding from the
Italian Ministry of Health*

BIOGRAPHICAL SKETCH, May 2018

Luigi TESIO, MD, specialist in Physical and Rehabilitation Medicine, was born in 1952 in Vittorio Veneto (north-eastern Italy). At present he is Full Professor of Physical and Rehabilitation Medicine at the Università degli Studi (State University www.unimi.it) and Director of the Clinical Unit (50 inpatients beds) and the research Laboratory in neuromotor rehabilitation at the Istituto Auxologico Italiano in Milan, Italy (www.auxologico.it), a leading national institute for bio-medical care and research with Rehabilitation as primary mission.

Prof. Tesio has inseparable interests for neurophysiology, biomechanics and rehabilitation of human movement, on one hand, and for measurements, trial design and statistics when applied to the whole-person level, on the other hand.

He was educated and is still living in Milan, Italy. His early background is in experimental neurophysiology (prof. Fausto Baldissera), muscle and gait biomechanics (prof. Giovanni Cavagna), and bioengineering (prof. Antonio Pedotti). At age 34 dr. Tesio moved to a clinical career. After a 2-year training in Neurology, he moved to Physical Medicine and Rehabilitation, a discipline he is a registered specialist in. After starting in geriatric rehabilitation, he moved to the Rehab Units of large teaching hospitals in Pavia and Milan. Along his career he came across the Institute of Human Physiology of the University of Milan, the Istituto Nazionale Neurologico "Carlo Besta", the Geriatric Rehabilitation Institute Pio Albergo Trivulzio, the teaching hospitals Ospedale San Raffaele-Dept. of Rehabilitation, and the Fondazione Salvatore Maugeri di Pavia, Dept. of Rehabilitation. He was the Head of different Clinical Units of Rehabilitation since 1986.

Since 1984 his early interest for motor physiology turned into an interest for neuromotor rehabilitation. Then, in the early '90s he first approached the methodological issue of outcome measurement. He was disappointed by the discrepancy in metric quality between the successful bio-medical measures employed in movement analysis and, more generally, in bio-medicine, and the patient-centred measures faced in rehabilitation through questionnaires of independence, balance, fatigue, pain and the like.

In his search for a rigorous approach to these so-called "latent variables" in 1990 he first met prof. Carl V. Granger, the leading proponent of the Functional Independence Measure-FIM™ and the Director of the Centre for Functional Assessment Research at State University of New York (SUNY), Buffalo NY (www.udsmr.org). Thank to a close collaboration and friendship with prof. Granger, Luigi Tesio could start the national Italian FIM system, including credentialing courses and a centralised data bank. Prof. Granger introduced Luigi Tesio to the statistical method named after the mathematician Georg Rasch[†]. Since 1995, through stages in Chicago (prof. BD Wright, dr. M Linacre), in Buffalo NY (prof. CV Granger) and in Perth, Western Australia (prof. D Andrich) prof. Tesio progressed in mastering the statistical Rasch models applied to Medicine. In parallel he continued exploiting his early interest in motor control, with special emphasis on the development of original methods of exercise and of diagnosis and assessment of motor impairments, including multifactorial gait analysis, dynamic posturography, isokinetic force measurement, non invasive electric and magnetic brain stimulation. Typical clinical conditions faced in his research and clinical experience are Multiple Sclerosis, post-stroke syndromes, post-surgical brain and spinal cord lesions, back pain, and complex orthopaedic conditions (e.g. multiple traumas, lower limb amputations and the rotationplasty salvage procedure).

He established international collaborations with researchers from Belgium, France, Israel, UK, US.

Civil service-International cooperation

India.

Two missions as rehabilitation expert in New Delhi, Spinal Injury Centre (<http://isiconline.org/>).

1990: medical expert for AISPO, Italian NGO for cooperation with developing countries (<http://aispo.org/it>). Task: Clinical project drafting for a new spinal injury centre, co-funded by ISIC and the Italian Ministry of Foreign Affairs.

2000: expert of the Italian Ministry of Foreign Affairs. Site visit. Task: inspection of the realised facilities. Report to the Italian Ministry.

Jordan.

2001: Mission to Amman, the University of Jordan. (<http://rehabilitation.ju.edu.jo/home.aspx>).Expert of the Italian Ministry of Foreign Affairs. Site visit. Task: start-up of a School of Rehabilitation Sciences. Task: Project drafting of Curricula (Physical Therapy, Speech therapy, Occupational Therapy) and design of a bid for a 4 year training program supported by the Italian Government.

Publications

Beyond many publications in Italian, prof. Tesio published in English over 110 papers* indexed in MEDLINE and/or ISI-WoS, about 20 Book Chapters for leading Publishers. He translated into Italian 4 medical books, two from French and two from English. He also authored two books, the first concerning the epidemiology of disability caused by tumours, and the second about the past and present philosophical status of clinical medicine.

Researcher's profile and publication metrics

* orcid.org/0000-0003-0980-1587

* researchgate.net/profile/Luigi_Tesio?ev=hdr_xprf

H-index:

-Web of Science 27

-Scopus 29

-Google Scholar 35

-Researchgate 39.43