Massimo Leandri

Former Associate Professor in Neurology at the University of Genova; Present occupation: Responsible for research at the Laboratory of Clinical and Experimental Electrophysiology at DINOGMI (University of Genova); 'Adjunct scholar' in Neurology and Clinical Neurophysiology

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Curriculum Vitae

Degrees and Qualifications

- Degree in Medicine and Surgery, University of Genova, Italy, 26 November 1973, mark 110/110 summa cum laude.

- Licence to practise Medicine, State Examination, January 1974.
- Specialisation in Clinical Neurology, University of Genova, 6 July 1976, mark 50/50 summa cum laude.

- Full registration with the General Medical Council (UK), from 2 November 1982 to 2010.
- Registration in the Specialist Register (Neurology), GMC (UK), from 29 November 1996 to 2010.

Academic Career and Appointments

- Fellowship in Clinical Neurology, University of Siena, 8 January 1974 – 31 July 1974.

- Assistant Professor in Medical Physiology, University of Genova, 1 July 1974 – 15 November 1975.

- Assistant Professor in Clinical Neurology, University of Genova, 16 November 1975 – 15 May 1986.

- Associate Professor in Neurologic Therapeutics, University of Genova, 16 May 1986 – 31 October 1988.

- Associate Professor in Neurology, University of Genova, 1 November 1988 – 2019. Since 25 November 1998 affiliated to the Department of Oncology, Biology and Genetics. Retired since 2019.

- Director of CIND (Inter-University Centre for the Neurophysiology of Pain), 1994 – 2016 (with two three-year interruptions).

- Teaching in Neurology and Pain Therapy at undergraduate, postgraduate, and diploma courses (University of Genova).

- Erasmus/Socrates teaching assignment, seminars on Neurophysiology of Pain, Nene University, Northampton, UK, academic year 1997/1998.

- Since 2019: teaching Posturology at the Bachelor Course in Podiatry.
- Research coordinator at the Laboratory of Clinical and Experimental Electrophysiology (DINOGMI), University of Genova, focusing on small fibre studies and balance.

- Current title: *Adjunct scholar* (“cultore della materia”) in Neurology and Clinical Neurophysiology.

Appointments in the United Kingdom

- Fellowship, Smith and Nephew Foundation, Liverpool, 1 September 1982 – 31 August 1983.
- Honorary Registrar, Centre for Pain Relief, Walton Hospital, Liverpool, 1 October 1982 – 15 November 1984.
- Honorary Research Associate, Unit of Neurological Science, University of Liverpool, 1 October 1982 – 30 September 1983.

Coordinated Research Projects

- Coordinator, BIOMED CEE Project “Mechanisms of Trigeminal Pain”, 1996 – 1998.
- Coordinator of CNR and University projects in the field of neurology and neurophysiology.

Research Activity

Main topics:
- Early human somatosensory evoked potentials.
- Early trigeminal evoked potentials.
- Neurophysiology and therapy of pain (pharmacological and physical: TENS, acupuncture).
- Headaches and trigeminal neuralgia.
- Cranial and extracranial muscle reflexes.
- Balance studies and correlation with cognitive disorders.
- Patent: Selective stimulation of small nerve fibres by micropatterned interdigitated surface electrodes. Italian Patent n. 1425199 – International Publication WO/2015/186087.

Main Scientific Contributions

- Discovery of a new type of early trigeminal evoked potentials recorded from the scalp.
- Development of “Thermorizotomy monitored with TEPs” for the treatment of trigeminal neuralgia.
- Demonstration of rapid trigeminal nerve recovery after microvascular decompression.
- Introduction of new drugs in the treatment of trigeminal neuralgia and cluster headache.
- Identification of new reflexes from trigeminal stimulation.
- Discovery of early cortical responses by nociceptive afferents in humans: NEPs (Nociceptive Evoked Potentials).

Bibliometric Indicators

- International publications: 150
- Citations: 4923
- H-index: 35
- i10-index: 70