

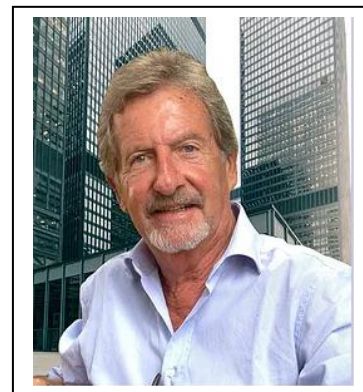


DEPARTMENT OF INTERNAL MEDICINE AND MEDICAL SPECIALTIES

SCIENTIFIC CURRICULUM OF PROF. MARIO CURIONE

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Name and Surname	MARIO CURIONE
	Rome 26/08/1946
Marital status	Married
Department	Department of Internal Medicine
Address	University of Rome "Sapienza" (Faculty of Medicine) Policlinic Hospital "Umberto I"



E-mail: mario.curione@fondazione.uniroma1.it

Disciplinary scientific sector: MED/09

Professional position until 2011

Researcher, Adjunct professor, 1st level medical executive

Education, Board Certification,

- Graduated in Medicine with 110/110 cum laude on 30/10/1972 at the University "La Sapienza" of Rome with a thesis: "Investigations on experimental ventricular arrhythmias: effects of some drugs".
- Specialized in Cardiovascular Diseases on 24/7/1975 with 70/70 grades at the University of Rome "La Sapienza" discussing the thesis: "Sinus atrial conduction disorders in acute myocardial infarction".
- Specialized in Internal Medicine with honors at the University of Studies "La Sapienza" in Rome on 21/7/1983 discussing the thesis: "Differential diagnosis of wide QRS tachycardias".

Curriculum Vitae



- Researcher since 1/08/1980
- First level medical director at the Department of Internal Medicine and Medical Specialties of the Policlinic Umberto I of the Sapienza University of Rome
- Adjunct Professor since 2006
- National eligibility as a Primary Cardiologist in 1991

Clinical Trial Experience

Before taking up the role as a researcher, he worked as an internal doctor first and subsequently as a postdoctoral fellow at the Coronary Unit of “Clinica Medica II” University Sapienza Roma.

From 1980-1996, Assistant at the Coronary Unit of the Institute of Medical Clinic II of the "Umberto I" Polyclinic, Faculty of Medicine of the "La Sapienza" University of Rome

-1996-2003 1st level manager at the Endocrinology Division of the Department of Clinical Sciences Faculty of Medicine of the “La Sapienza” University of Rome with internal and cardiological consultancy tasks for patients belonging to the outpatient clinics of the division and to Endocrinological Day-Hospital.

2003-2011- 1st level medical director at the cardiovascular prevention area of the UOC of internal medicine GT MC05 of the Department of Internal Medicine and Medical Specialties where he carries out outpatient cardiological consultancy activities for outpatients and also for patients sent by the antidiabetic center, the dyslipidemia center and the endocrinology Day-Hospital.



Since 2006 he has been responsible for non-invasive cardiovascular instrumental diagnostics services (Holter ECG, 24h PA monitoring, Stress test and Ewing test for the diagnosis of autonomic neuropathy.

Cardiological consultations at the divisions of Internal Medicine F, Gastroenterology and Nephrology of the Department of Internal Medicine and Medical Specialities

Teaching Activity

1975 to 1989 Seminars, exercises and theoretical practical lessons for students of the fifth and sixth year of the Degree Course in Medicine and Surgery and for specialists in Internal Medicine, Geriatrics and Gerontology, assistance in the preparation of degree and specialization theses for students of the course Degree in Medicine and Surgery and Specialization in Internal Medicine. In particular he held:

- a) Lessons for the course of Medical Clinic and General Therapy of the School of Specialization in Internal Medicine from 1973-1980-81 and always in the same school for the course of Cardiovascular Diseases from 1973-74 to 1980-81 and from '1982-83 to 1984-85.
- b) Lectures for the medical physiopathology course in the year 1985-86 and participation in the examination committees in the years 1984-85 / 1985-86 / 1988-89.
- c) Lectures for the 1983-84 Cardiology Intensive Care Course of the Postgraduate School of Cardiology and Lectures in the 1984-1985 First Aid Medicine course where he was a member of the examination commission.



Since 1990 Teaching of Internal Medicine for students of the II-III-IV year at the School of Specialization in Gastroenterology and Digestive Endoscopy (II) of the University of Rome "La Sapienza".

- Theoretical and practical lessons in the Course of Cardiovascular Diseases (II Canale II Semester) for students of the fourth year of the Degree Course in Medicine and Surgery (1994-95; 1995-1996).
- Theoretical and practical lessons in the Medical Clinic Course (I Channel, II Semester) for students of the 6th year of the Degree Course in Medicine and Surgery.
- Lectures to replace the holders of Clinical Pathophysiology teaching in the year 1995-1996 (I Channel II Semester) to the third year students of the Degree Course in Medicine and Surgery.
- 1990-95 he held courses on the "Pharmacological Treatment of Cardiovascular Diseases" at the Postgraduate School of Clinical Pharmacology and Therapy of the International Foundation "Fatebenefratelli"
- 1998-2002 Teacher of Cardiovascular Diseases in the Degree in Podiatry
- 1996 - Participation in seminars promoted by the "Sapienza" Faculty of Medicine in collaboration with the "Smith Kline Foundation as a learner in the field of non-formal teaching and Docimology
- 1996-1998 - Participation in seminars promoted by the Faculty of Medicine of the University "La Sapienza" in collaboration with the "Smith Kline Foundation as a teacher aimed at faculty teachers, aimed at updating table XVIII.



- 1996-2001 Member of the organizing committee and lecturer in the Experimental Course "The Rome Paraller Track" promoted by the Faculty of Medicine of the University "La Sapienza of Rome
- 2001-02 Professor of Clinical Methodology in the Specialized Degree Course "C" from the Faculty of Medicine of the University "La Sapienza of Rome
- 2002 Coodinator of the Integrated Course of "Clinical Methodology III" (II Semester III year) in the CCL C. (University "Sapienza" Rome I Faculty of Medicine).
- Professor of Cardiovascular Semeiotics in the Integrated Pathology I Course (Cardiovascular and Respiratory System) (II Semester III year in the CCL C).
- President of the Clinical Methodology Examination Commission III.
- Teacher of "Pathologies of Cardiovascular Interest in Internal Medicine" at the specialization schools of: Internal Medicine II, Gastroenterology II, Endocrinology (University "Sapienza" I Faculty of Medicine).
- Lecturer in the PhD: "Biomedical Technologies in Clinical Medicine"
- From 1996 to 2001 Member of the "Planning board" and lecturer in the experimental course for medical students set up by the Faculty and called "Rome Paraller Track" based on "problem-solving learning"
- 2001 / 2002-2002 / 2003 Assignee, by the Didactic Evaluation Unit of the Faculty of Medicine of funds for didactic incentives.

Research Activity



- 1) Prognostic stratification based on arrhythmic risk (calculated mainly on echographic variables such as QT duration, heart rate variability (HRV) in the time domain and in the frequency domain and on the Chaotic Variability of the Heart Rate) in patients suffering from various pathologies such as ischemic heart disease, diabetes mellitus, obesity, hyperparathyroidism, hyperaldosteronism and chronic intestinal inflammatory diseases. (see "Scientific Activity")
- 2) Study of the association between Dilated Cardiomyopathy and Celiac Disease and the positive effects of the gluten-free diet on cardiac performance. (see "Scientific Activity")
- 3) The research activity, in the field of Training, has resulted in publications in specialized magazine.
 - A) The Roman Parallel Canal (CPR). I Project and Start of the Course. CPR Group: The essential elements of the project, the program, the various figures in charge of teaching assistance, the methods of evaluation and the mechanism for choosing students. MEDIC (Methodology and Clinical Didactics) Vol.3, N.3: 133-144; September 1995.
 - B) The Roman Parallel Canal (CPR). III: Teachers' Judgments and a New Didactic Structure. CPR Group: Judgments and shortcomings recorded in the first two years of CPR experience. MEDIC (Clinical Methodology and Didactics) Vol. 4, N.4: 191-195, December 1996.
 - C) A Torsoli, M Curione et all: Seminars for medical teachers on educational innovation, analysis of a questionnaire. MEDIC (Methodology and Clinical Didactics) 2001; 9: 7-11 (see "Scientific Activity")



4) In recent years, research topics have turned to the assessment of arrhythmic risk in patients suffering from various forms of secondary arterial hypertension such as primary aldosteronism and hyperparathyroidism. These studies were conducted in collaboration with Prof. Claudio Letizia and with Prof. Salvatore Minisola and Dr. Jessica Pepe of the Department of Clinical Sciences and Medical Specialties of the "Sapienza" University of Rome.

(see "Scientific Activity")

5) Even more recently, research has concerned the comparison between changes in microcirculation and macrocirculation in patients with secondary hypertension from hyperaldosteronism compared to patients with essential hypertension. The study showed worse remodeling in the first group probably attributable to the additional negative effect of aldosterone. These studies were conducted in collaboration with Prof. Claudio Letizia of the Department of Clinical Sciences and Medical Specialties of the "Sapienza" University of Rome.

(see "Scientific production") and with IRRCS, G.B. Bietti

<https://www.fondazionebietti.it/> (see "Scientific Activit

6) Some aspects of the research are still in progress which, starting from the documented relationship between the intraventricular volume and the QRS amplitude during dialysis treatment, aims to identify if there are modifications of the QRS amplitude during the stress test in ischemic patients, with test negative to the ST criterion, different from normal subjects. The first data already published confirm this hypothesis. If these data are confirmed, on a greater number of patients, the "QRS



amplitude changes" criterion could be used as an additional positive criterion to those already existing. (see "Scientific Activity")

SCIENTIFIC ACTIVITY

(see "Scientific Activity")

BOOK and BOOK CHAPTERS

- **Manuale di Elettrocardiografia Clinica** (Mario Puletti –Mario Curione 1986 (Soc.Ed.: Edizioni Universitarie Scientifiche). (see "Book and Chapters in a book")
- Le emergenze mediche nello studio odontoiatrico di Marcello Negri- Il Pensiero Scientifico Editore- Roma Capitolo :”Arresto Cardiaco e morte improvvisa” Mario Curione-Gianfranco Tonnarini pag 191-196
- Trattato Italiano di Medicina Interna –Teodori 2004 Soc Editrice Universo (SEU) “Analisi lineare e non lineare dell’elettrocardiogramma” cap. 20 pag 405-412. (see "Book and Chapters in a book")