



SAPIENZA
UNIVERSITÀ DI ROMA

PROF LUCIANO AGATI
CARDIOLOGO

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LUCIANO AGATI, MD

Curriculum Vitae

NAME: Luciano Agati, MD

BORN: Rome (Italy), April 9, 1952

ADDRESS: - *Home:* Via di Sant' Anselmo 8, 00153 Rome, Italy

- *Hospital:* Department of Cardiology, "Sapienza"
University of Rome, 00161, Rome, Italy

- *Phone:* mobile: (39).329.1603891

- *E-mail:* luciano.agati@fondazione.uniroma1.it

MEDICAL TRAINING AND EMPLOYMENT

1970-76 Student, "Sapienza" University of Rome, School of Medicine.
Graduated "cum laude" July 26, 1976

1977-79 Cardiology Fellow, "Sapienza" University of Rome, School of
Medicine

1980-90 Assistant Professor of Medicine, Department of Cardiology
"Sapienza" University of Rome, Policlinico Umberto I

1990-2000 Director of Echocardiography Laboratory, Department of
Cardiology "La Sapienza" University of Rome, Policlinico Umberto I.

2000-2010 Associate Professor of Cardiology. Director of Cardiac
Imaging Unit, Department of Cardiology "Sapienza" University of Rome,
Policlinico Umberto I.

2010-2016 Chief of Angiology and Cardiac Imaging Units. Department of
Cardiology "Sapienza" University of Rome, Policlinico Umberto I., Rome
Italy

2017-2022 Full Professor of Cardiology. Chief of Unit "Percorsi
Diagnostici e Terapeutici in Cardiologia" Department of Cardiology
"Sapienza" University of Rome, Policlinico Umberto I., Rome Italy

2022 November 1st. Retired



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TEACHING

- 1996-2022 Docente di “Cardiologia” Insegnamento di Patologia Integrata I Corso di Laurea A in Medicina e Chirurgia Università La Sapienza di Roma
- 2001-2017 Docente di “Cardiologia”, Corso di Laurea in Scienze Infermieristiche, Facoltà di Medicina, Università degli Studi di Roma “La Sapienza, Polo Pontino
- 1998-2022 Docente di “Ecocardiografia”, Scuola di Specializzazione in Cardiologia, Facoltà di Medicina, Università degli Studi di Roma “La Sapienza
- 2018- 2022 Docente di “Ecocardiografia” Scuola di specializzazione in cardiocirurgia, Università sapienza di Roma
- 2015-2022 Membro effettivo del Dottorato in “ Fisiopatologia ed Imaging Cardio-Toraco–Vascolare” Università Sapienza di Roma
- 2006-2022 Docente di “Nuove tecnologie in Ecocardiografia” Master in “Comunication and Information Technology” in Cardiologia, 1 Facoltà di Medicina, Università degli Studi di Roma “La Sapienza
- 2006-2022 Docente di “Ecocardiografia nella Cardiopatia Ischemica” Master in Ecocardiografia per Sonographer, 2^ Facoltà di Medicina, Università degli Studi di Roma “La Sapienza
- 2000-2005 Docente di “Ecocardiografia” Master in Diagnostica Cardiovascolare per Immagini, Facoltà di Medicina, Università degli Studi di Roma “La Sapienza
- 2001-2010 Docente di “Cardiologia”, Scuola di Specializzazione in Endocrinologia, Facoltà di Medicina, Università degli Studi di Roma “La Sapienza
- 1978-82 Docente di “Semeiotica Strumentale” Scuola di Specializzazione in Cardiologia Università degli Studi di L'Aquila.
- 1998-2009 Docente di “Fisiopatologia Cardiocircolatoria”, Scuola di Specializzazione in Malattie dell'Apparato Respiratorio, Facoltà di Medicina, Università degli Studi di Roma “La Sapienza



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- 1991-98 Docente di “Indagini diagnostiche non-invasive”, Scuola di Specializzazione in Cardiologia, Facoltà di Medicina, Università degli Studi di Roma “La Sapienza
- 1989-90 Docente di “Patologia Cardiovascolare”, Scuola di Specializzazione in Cardiologia, Facoltà di Medicina, Università degli Studi di Roma “La Sapienza”.
- 1980-82 Docente di “Semeiotica Strumentale” Scuola di Specializzazione in Cardiologia, Facoltà di Medicina, Università degli Studi di Roma
“La Sapienza”.
- 1984. Tufts University Boston, MA - Non Invasive Cardiac Imaging Laboratory, Natesa Pandian, MD
- 1985. Chicago University, IL - Echocardiography Laboratory, Steven Feinstein, MD
- 2004 -2015 Al Thwara General Hospital, Sanaa, Yemen: Progetto di cooperazione Università La Sapienza - Università di Sanaa

INTERNATIONAL COOPERATIVE PROJECTS

1984. **Tufts University Boston, MA** - Non Invasive Cardiac Imaging Laboratory, Natesa Pandian, MD

1985-2016. **Chicago University, IL and Rush University-**
Echocardiography Laboratory, Steven Feinstein, MD

2004-2014 **Al Thwara General Hospital, Sanaa, Yemen:** Cooperative project between Sapienza University of Rome and Sanaa University

SUPPORT

1996-1999 National Research Council- Grant 65099, (National)
1996-2016 MURST Grants, (National)

2001-2003 Bracco Imaging grant for a phase III international trial:
Protocol BR1-056 on “*Efficacy of SonoVue, a new second generation
echocontrast agent, for the*



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evaluation of myocardial perfusion in patient with fix ischemic defect. Pilot study".

2001-2003 Bracco Imaging grant for a phase III international trial (Protocol BR1-041) on *"Efficacy of SonoVue, a new second generation echocontrast agent, for the evaluation of myocardial perfusion in patients with acute myocardial infarction. A multicenter study"*

2003-2005 FIRB-NIM Grant (National) grant for study on *"Advanced Technologies to use contrast agents for therapeutic applications"*.

2003-2005 "Acusphere Inc" grant for two phase III international trials (AI700-23, AI700- 21) on *"Safety and Efficacy of Perflubutane Polymer Microspheres, an*

Investigational Product for Echocardiography Myocardial Perfusion Imaging".

2005-2007 COFIN-PRIN (National) grant for multicenter trial on *"Erythropoietin in acute myocardial infarction"*.

2007-2008 "Acusphere Inc" grant per a phase III international trial (RAMP-PACE) on *Prognostic Assessment of Contrast Echocardiography: An observational, Follow-up Study of Patients with Chest Pain Evaluated with AI-700 Contrast Echocardiography*

2007- 2009 Bracco Imaging grant for a Phase III international trial (BR1-125) on *" Study to compare SonoVue enhanced myocardial echocardiography to single photon emission computerized tomography at rest and at peak of low-dose Dipyridamole stress test, in the assessment of significant coronary artery disease in patients with suspect or known CAD.*

2010- 2011 Bracco grant for the international trial BR1-132: *In-house mortality in critically ill patients undergoing echocardiography with SonoVue®:A retrospective matched case-control study with propensity score adjustment.*

2010-2011 European collaborative project on *"Prevention of the development of heart failure after myocardial infarction- PREVENT MI".*

2014-2015 Horizon 2020. European collaborative project on *"EURO Cardiac Cloud"*.



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2014-2015 European collaborative project on “Acute Myocardial Infarction Cardiac Imaging (A.M.I.C.I.)-prognosis”

2016-2018 Bracco grant for the international trial BR1-141: A Prospective Multicenter Phase III Clinical Evaluation of the Safety and Efficacy of Lumason™/SonoVue® in Subjects Undergoing Pharmacologic Stress Echocardiography with Dobutamine for the Diagnosis of Coronary Artery Disease

SAPIENZA UNIVERSITY GRANTS - Roma

2001 - Finanziamento Ricerche di Facoltà : "Studio non-invasivo del microcircolo coronarico mediante ecocontrastografia miocardica e tecnologie avanzate applicate agli ultrasuoni" Coo

2001- Finanziamento Ricerche di Ateneo su "Fattibilità ed applicabilità clinica delle nuove metodiche ecocardiografiche 2D e 3D nella valutazione della funzione ventricolare sinistra" RU

2002 - Finanziamento Ricerche di Facoltà su "Valutazione dell'efficacia del trattamento riperfusivo coronarico in corso di infarto miocardico acuto mediante ecocontrastografia miocardica" Coo

2002 - Finanziamento Ricerche di Ateneo su “Valutazione fisiopatologica e possibilità terapeutiche dell’ipertensione polmonare primitiva e secondaria a tromboembolia” Coo

2003 - Finanziamento Ricerche di Ateneo su “Effetti delle diverse strategie di ricanalizzazione sulla integrità del microcircolo in pazienti con infarto acuto del miocardio: ruolo della terapia metabolica” Coo

2003 - Finanziamento Ricerche di Facoltà su "Valutazione dell'efficacia del trattamento riperfusivo coronarico in corso di infarto miocardico acuto mediante ecocontrastografia miocardica" Coo

2004 - Finanziamento Ricerche di Facoltà ” Studio della perfusione miocardica in pazienti con infarto miocardico acuto: strategie terapeutiche a confronto. Trial A.M.I.C.I.” Coo

2004 - Finanziamento Ricerche di Ateneo su "Studio pre-operatorio ed intraoperatorio della perfusione cerebrale” Coo

2005 - Finanziamento Ricerche di Ateneo su ” Meccanismi di progressione della placca aterosclerotica: ruolo della simvastatina come modulatore dei processi infiammatori e di adesione cellulare” Coo

2005 - Finanziamento Ricerche di Facoltà su: “Studio della perfusione miocardica in pazienti con infarto miocardico acuto: strategie terapeutiche a confronto. Trial A.M.I.C.I.” Coo



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2006 - Finanziamento Ricerche di Ateneo su " Meccanismi di progressione della placca ateromatosa: ruolo della simvastatina come modulatore dei processi infiammatori e di adesione cellulare" RU

2006 - Finanziamento Ricerche di Facoltà su: "Valutazione di diverse strategie ripercussive nell'infarto miocardico acuto" Coo

2007- Finanziamento Ricerche Universitarie su "Individuazione di bioindicatori di progressione della placca ateromatosa" Coo

2007 - Finanziamento Ricerche di Ateneo Federato su "Impatto sul microcircolo di diverse strategie ripercussive nell'infarto miocardico acuto (STEMI-NSTEMI)" Coo

2008 - Finanziamento Ricerche Universitarie su "Individuazione di bioindicatori di progressione della placca ateromatosa" Coo

2008 – Finanziamento Ricerche di Ateneo Federato su: "Valutazione della neoangiogenesi nell'infarto miocardico acuto mediante ecocontrastografia miocardica" Coo

2009- Finanziamento Ricerche Universitarie su "Individuazione di nuovi bioindicatori di danno endoteliale in pazienti con malattia aterosclerotica in fase pre-clinica" RU

2009 – Finanziamento Ricerche di Ateneo Federato su: "Determinazione del rischio cardiovascolare nell'artrite reumatoide di recente insorgenza: valutazione di parametri strumentali e indicatori bioumoral". RU

2010 - Finanziamento Ricerche Universitarie su "Ruolo della reattività anti-peptidi citrullinati nel diabete mellito di tipo 1" RU

2011- Finanziamento Ricerche Universitarie su: "Cell therapy and tissue engineering in heart diseases: novel tools for regenerative medicine" C26A11J528

2012 Finanziamento Ricerche Universitarie su "Novel tools for evaluation of Type A aortic dissection: from bedside to bench, and back" C26A12MT2F

2013 "New insights in cardiac regeneration: breakthrough in left ventricular assist device (LVAD) and autologous stem cell combined therapy" C26H13X2NL

2014 "New insights in cardiac regeneration: breakthrough in left ventricular assist device (LVAD) and autologous stem cell combined therapy" C26H148CRP

2015 "New strategies for diagnostic, therapeutic and clinical care in metabolic disorders and cardiovascular disease. C26A153YAF

2016 "Analisi della Fluidodinamica Ventricolare mediante Echo-Particle Imaging Velocimetry (Echo-PIV) in Pazienti Sottoposti ad Intervento di Resincronizzazione Cardiaca (CRT)" P116154E251A9FA

2017 "Incidence, prognosis and predictors of post-discharge heart failure in ST-elevation myocardial infarction (STEMI) patients with preserved left



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ventricular function: - A Study of the Collaborative Registry on
Cardiovascular Magnetic Resonance in STEMI” RM11715C819A90AB

RESEARCH SUPPORT/CONSULTANT

Nycomed Amersham

Bracco Imaging Spa

Schering

Toshiba

Hewlett Packard/Agilent

Philips Medical System

Esaote Biomedica

Acusphere Inc

General Electric

Siemens

SYMPOSIUM DIRECTOR

Organized and served as Scientific Program Director for a biennial
international symposium sponsored by La Sapienza University of Rome and
MURST on “Advances in Echocardiography”: Rome 1980-1982-1986-1988-
1990-1993-1997-1999-2001-2003



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PROFESSIONAL RESPONSIBILITIES

Journal Reviewer: Circulation, Journal of the American College of Cardiology, American Journal of Cardiology, American Heart Journal, European Heart Journal, European Heart Journal-Cardiovascular Imaging, Heart, Journal of the American Society of Echocardiography, Echocardiography, Italian Heart Journal, Plose One, Scientifica, Trials, BMC Cardiovascular Disorders, Indian Heart Journal, Cardiovascular Journal of Africa, Ultrasound in Medicine and Biology, International Journal for Numerical Methods in Biomedical Engineering

Abstracts Grader: American College of Cardiology, American Society of Echocardiography, European Society of Cardiology, European Association of Cardiovascular Imaging, Società Italiana di Cardiologia

Member: European Society of Cardiology (ESC), European Working Group on Echocardiography, Italian Society of Cardiology, Italian Society of Echocardiography, International Society of Contrast Ultrasound (ICUS)

Editorial Board: Echocardiography (2021-2023), Journal of the American Society of Echocardiography (1999-2002) (Editor: H Feigenbaum), Ecocardiografia (Editor: Italian Society of Echocardiography), Journal of Ultrasound (Editor: Springer. Official Journal of SIUMB), Minerva Cardioangiologica (Official Journal of the Italian Society of Angiology and Vascular Pathology and of the Italian Society of Vascular Diagnostics)

Citation metric from the Scopus of Science (Sept 2023)

Citation metric from the Scopus of Science

Documents: 166 Analyze author output

h-index: 33

Total citations: 4170

Total impact factor: 522.92



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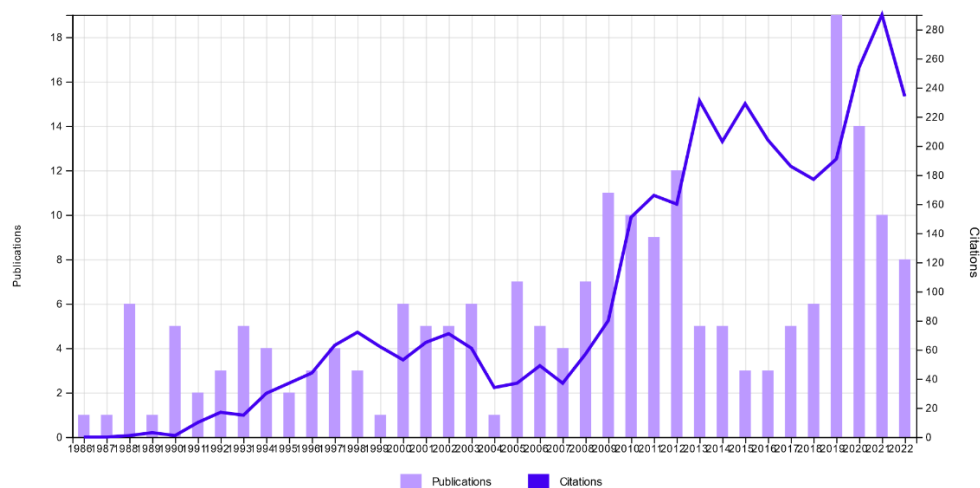
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PUBLICATIONS 1981-2023

1. Agati L., Penco M., Pastore L.R., Fedele F., Di Renzi L., Dagianti A. Studio Settoriale Della Cinesi Ventricolare Sinistra Mediante Ecocardiografia 2D. Utilità Per La Diagnosi E La Prognosi Dell'infarto Acuto Del Miocardio. *Giornale Italiano di Cardiologia* 11, 201, 1981
2. Fedele F., Arata L., Giannico S., Pastore L.R., Di Renzi L., Penco M., Agati L., Dagianti A. Comportamento Ecocardiografico Durante Prova Ergometrica Nei Soggetti Con Angina Stabile Da Sforzo. *Giornale Italiano di Cardiologia* 11, 310, 1981
3. Agati L., Puddu P.E., Fedele F., Penco M., Giannico S., Modena M.G., Benassi A., Pastore L.R., Arata L., Dagianti A. Interet De L'Echocardiographie En Mode M Dans La Diagnostique De L'Hypertension Pulmonaire. *Archives Maladie Du Coeur* 76, 315, 1983
IF 0.340
4. Agati L., Penco M., Fedele F., Tedeschini Lalli P., Azzolini P. Aspetti Morfologici e Funzionali Dell'ipertrofia Ventricolare Sinistra Valutata Attraverso La Lettura Computerizzata Dei Tracciati Ecocardiografici. *Giornale Italiano di Cardiologia* 13, 433-9, 1983
5. Dagianti A., Agati L., Fedele F., Penco M., Arata L., Pastore L.R., Bandiera A. La Funzione Diastolica Nella Iperptrofia Miocardica Primitiva E Secondaria. *Cardiologia* 12, 63-72, 1984
6. Fedele F., Agati L., Penco M., Sciomer S., Gagliardi Mg., Di Renzi P. 2D Exercise Echocardiography In Athletes. A Study Of The Mechanisms Responsible For The Increase In The Ejection Fraction *International Journal Sports Cardiology* 2, 1-10, 1985
7. Agati L., Fedele F., Gagliardi M.G., Sciomer S., Penco M. A Supernormal Behavior Of Echocardiographic Diastolic Data In Athletes Despite Left Ventricular Hypertrophy. *International Journal Sports Cardiology* 2, 11-18, 1985



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8. Arata L., Penco M., Fedele F., Agati L., Dagianti A. Ruolo Attuale Dei Test Provocativi Nella Valutazione Della Cardiopatia Ischemica. Effetti Sulla Funzione Cardiovascolare Di Altri Test Provocativi *Cardiologia* 30, 655-60, 1985
9. Agati L., Fedele F., Pastore L.R., Penco M., Arata L., Dagianti A. Ruolo Attuale Dei Test Provocativi Nella Valutazione Funzionale Della Cardiopatia Ischemica. Valore Diagnostico Dei Markers Ecocardiografici *Cardiologia* 30, 701-9, 1985
10. Dagianti A., Agati L., Di Renzi L., Fedele F., Pastore L.R., Penco M. Il Cardiologo Moderno Tra Tecnologia E Clinica Nella Valutazione Della Cardiopatia Ischemica *Cardiologia* 30, 759-70, 1985
11. Fedele F., Zapponi G.M., Di Renzi P., Neroni M., Agati L., Penco M., Dagianti A. La Computerizzazione In Cardiologia: Applicazioni Attuali E Prospettive. Elaborazione Computerizzata Delle Immagini Ecocardiografiche. *Cardiologia* 30, 827-32, 1985
12. Dagianti A., Penco M., Arata L., Agati L., Fedele F. Reliability Of Two Dimensional Exercise Echocardiography In Detecting Coronary Artery Disease. Correlation With Tl Scintigraphy *Journal Cardiovascular Ultrasound* 5, 245-52, 1986
13. Dagianti A., Fedele F., Sciomer S., Penco M., Benedetti G., Agati L. Esperienze Cliniche Con Enalapril Nel Trattamento Della Insufficienza Cardiaca. *Cardiologia* 31, 837-842, 1986
14. Penco M., Fedele F., Agati L., Pastore Lr., Arata L., Busi G., Modena Mg, Mattioli G.,Dagianti A. Valutazione Ecocardiografica Degli Effetti Della Trombolisi Per Via Sistemica Con Urokinasi. *Cardiologia* 31, 1171-1180, 1986
15. Dagianti A., Fedele F., Penco M., Agati L., Di Renzi L., Pastore Lr., Sciomer S., Iacoboni C., Benedetti G., Arata L. Fisiopatologia Dell'evento Ischemico In Clinica *Cardiologia* 31, 1157-1165, 1986



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16. Di Renzi L., Agati L., Sciomer S., Sommella M., Peraldo Neja C., Dagianti A. Ecocardiografia Doppler e Vizi Valvolari Aortici. *Cardiologia* 31, 1207-1209, 1986

17. Penco M., Fedele F., Agati L., Romano S., Vizza C.D., Arata L., Dagianti A. Test Da Sforzo Precoce Nel Post-Infarto: Validita' Nella Valutazione Dell' Entita' Della Compromissione Coronaria. *Cardiologia* 31, 137-147, 1987

18. Agati L., Penco M., Fedele F., Sciomer S., Dagianti A. Left Ventricular Filling Pattern In Hypertensive Patients After Reversal Of Myocardial Hypertrophy. *International Journal of Cardiology* 17, 177-186, 1987.

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19. Dagianti A., Penco M., Fedele F., Sciomer S., Vizza Cd., Fabietti F., Agati L., Pelliccia A., Zeppilli P. Non Invasive Morphological And Functional Evaluation Of Athletes In Sports Cardiology. *International Journal of Sports Cardiology* 5:1-16;1988.

20. Agati L., Penco M., Fedele F, Sciomer S., Peraldo Neja C., Dagianti A. Painless Versus Painful Myocardial Ischemia. Different Left Ventricular Dysfunction Detected By Echocardiography. *International Journal of Cardiology* 22:321-27, 1989

IF 3.469

21. Agati L., Penco M., Vizza Cd., Renzi M., Dagianti A. Two-Dimensional Echocardiography In The Early Management Of Acute Myocardial Infarction. *International Journal Cardiac Imaging*, 3, 246, 1989

22. Agati L., Arata L., Peraldo Neja C., Manzara C., Iacoboni C., Vizza Cd, Penco M., Fedele F., Dagianti A. Usefulness Of The Dipyridamole-Doppler Test For Diagnosis Of Coronary Artery Disease *American Journal of Cardiology* , 65:829-34, 1990

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23. Agati L., Dagianti A. Disfunzione Diastolica E Insufficienza Di Circolo: Valutazione Ecocardiografica. *Cardiologia* 35: 429-434, 1990

24. Fedele F, Agati L., Vizza Cd, Fabietti F, Renzi M, Dagianti A. L'ecocardiografia Da Stress Digitalizzata: Confronto Esercizio Fisico-Dipiridamolo. *Cardiologia* 35: 155-168, 1990

25. Agati L., Fedele F. Standardizzazione E Linee Guide Per Lo Studio Della Funzione Globale E Regionale Del Ventricolo Sinistro Mediante Ecocardiografia. *Cardiovascular Imaging* 3, 149-155, 1990.

26. Agati L., Arata L., Luongo R, Iacoboni C., Renzi M., Vizza C.D., Penco M., Fedele F., Dagianti A. Assessment Of Severity Of Coronary Narrowings By Quantitative Exercise Echocardiography and Comparison With Quantitative Arteriography. *American Journal of Cardiology* 67:1201-07;1991.

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27. Fedele F., Agati L., Sciomer S., Vizza Cd., Dagianti A. Echo Stress In Functional Evaluation Of Dilated Cardiomyopathy. *International Journal Cardiac Imaging* 6, 461-2, 1991.

28. Fedele F., Benedetti G., Vizza Cd, Agati L., Penco M., Barletta C., Scavo D, Dagianti A. Role of Endogenous Opioids On Nociceptive Threshold In Patients With Exercise-Induced Myocardial Ischemia. *Cardiologia* 36, 207-212, 1991.

29. Picano E, Lattanzi F, Orlandini A, Seveso G, D'urbano M, Landi P, Raciti M, Stojc M, Agati L, Marini C. Dipyridamole Stress Echocardiography. *Coronary Artery Disease* 2, 559-64, 1991

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30. Vizza CD, Sciomer S, Agati L, Fedele F, Dagianti A. Determinazione Incruenta Della Soglia Anaerobia: Validazione Di Un Metodo Automatico Computerizzato. *Cardiologia* 36:793-800, 1991



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31. Agati L, Renzi M, Sciomer S, Vizza Cd, Voci P, Penco M, Penco M, Fedele F, Dagianti A. Transesophageal Dipyridamole Echocardiography For Diagnosis Of Coronary Artery Disease *Journal of the American College of Cardiology* 19:765-71, 1992

IF 12.640

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