

INFORMAZIONI PERSONALI

Antonio Cittadini



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Sesso Maschile | Data di nascita 1/1/1963 | Nazionalità Italiana

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ESPERIENZA
PROFESSIONALE

Luogo attuale di lavoro

Dipartimento di Scienze Mediche Traslazionali, Via S. Pansini
5 80131 Napoli

Email: antonio.cittadini@unina.it

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Attività professionali

2025	Membro del Senato Accademico dell'Università degli Studi di Napoli Federico II
2025	Adjunct Professor presso College of Medicine, Alfaisal University, Riyadh, Arabia Saudita
2024	Direttore del Dipartimento ad Attività Integrata di Medicina Interna e della Complessità Clinica – AOU Policlinico Federico II
2024	Presidente Designato dell'AICPR (Associazione Italiana di Cardiologia Clinica, Preventiva e Riabilitativa) per il biennio 2026-2028
2024	Presidente dell'AICPR (Associazione Italiana di Cardiologia Clinica, Preventiva e Riabilitativa) sezione Campania
2023	Direttore del Centro Interdipartimentale di Ricerca in Medicina di Genere (GENESIS) Università degli Studi di Napoli Federico II
2023	Membro del Comitato Etico Campania 3
2023	Vice Direttore del Dipartimento ad Attività Integrata di Medicina interna e della Complessità Clinica
2022	Membro del Comitato Etico Federico II-Cardarelli

2020	ViceDirettore del Dipartimento ad Attività Integrata di Immunologia Clinica, Patologia Clinica e Malattie Infettive
2019	Coordinatore del corso di Metodologia Clinica I e II del Corso di Laurea in Medicina e Chirurgia presso l'Università degli Studi di Napoli Federico II
2017	Direttore del Programma di Medicina Interna ad Indirizzo Metabolico e Riabilitativo, Dipartimento ad attività integrata di Immunologia Clinica, Patologia Clinica e Malattie Infettive
2017	Professore Ordinario in Medicina Interna presso l'Università degli Studi di Napoli Federico II
2017	Coordinatore del I semestre del corso di Metodologia Clinica del Corso di Laurea in Medicina e Chirurgia in lingua inglese presso l'Università degli Studi di Napoli Federico II
2012	Tornata 2012. Abilitazione Nazionale per Professore di Prima Fascia in Medicina Interna (06/B1) dal 23.12.2013 al 23.12.2019
2005-2017	Professore Associato in Medicina Interna presso l'Università degli Studi di Napoli Federico II
2004	Idoneità al ruolo di Professore Associato per il settore MED 09 conseguita presso l'Università degli Studi di Milano
2001-2005	Ricercatore confermato presso il Dipartimento di Medicina Clinica, Scienze Cardiovascolari ed Immunologiche della Facoltà di Medicina e Chirurgia dell'Università degli Studi di Napoli Federico II dal 2.4.2001.
1994-2001	Funzionario Tecnico (VIII Livello) presso il Dipartimento di Medicina Clinica, Scienze Cardiovascolari ed Immunologiche della Facoltà di Medicina e Chirurgia dell'Università degli Studi di Napoli Federico II fino al 2.4.2001
1990-1994	Collaboratore Tecnico (VII Livello) presso l'Istituto di Medicina Interna, Cardiologia, e Chirurgia Cardiovascolare della Facoltà di Medicina e Chirurgia dell'Università degli Studi Federico II dal 9.2.1990 al 31.5.1994
1989	Specializzazione in Malattie dell'Apparato Cardiovascolare
1987	Iscrizione all'Albo dei Medici della Provincia di Napoli
1986	Abilitazione alla professione medica

Attività cliniche principali

4/7/1990-31/12/1996	Assistente Medico del DAS di Medicina Interna, Geriatria, Patologia Cardiovascolare della Scuola di Medicina e Chirurgia dell'Università degli Studi Federico II, diretta dal Prof. L. Saccà, giusto D.R. n.7819 del 10 ottobre 1990
1/1/1997-31/7/1999	Dirigente Medico di I livello a tempo pieno del DAS di Medicina Interna, Geriatria, Patologia Cardiovascolare della Facoltà di Medicina e Chirurgia dell'Università degli Studi Federico II
1/8/1999-17/3/2013	Dirigente Medico di ruolo unico a tempo pieno del DAS di Medicina Interna, Geriatria, Patologia Cardiovascolare della Facoltà di Medicina e Chirurgia dell'Università degli Studi Federico II
18/3/2013-29/10/2013	Dirigente Medico di ruolo unico a tempo pieno del DAI di Medicina Interna e Patologia Clinica della Facoltà di Medicina e Chirurgia dell'Università degli Studi Federico II, giusta Deliberazione del Direttore Generale della AOU, n.107 del 18/3/2013
30/10/2013-2017	Dirigente Medico di ruolo unico a tempo pieno, Responsabile dell'U.O.S. di Cardioendocrinologia del D.A.I. di Medicina Interna e Patologia Clinica, giusta Deliberazione del Direttore Generale dell'A.O.U., n.453 del 30/10/2013
2017-2018	Direttore UOC Medicina Interna ad indirizzo Metabolico e Riabilitativo – DAI Immunologia Clinica, Patologia Clinica, Malattie Infettive e Dermatologia
2018-2022	Direttore del Programma di Medicina Interna ad indirizzo Metabolico e Riabilitativo, DAI di Immunologia Clinica, Patologia Clinica e Malattie Infettive
2019-2022	Vice Direttore del DAI di Immunologia Clinica, Patologia Clinica e Malattie Infettive
2023-ongoing	ViceDirettore del Dipartimento ad Attività Integrata di Medicina interna e della Complessità Clinica
2023- ongoing	Direttore UOC Medicina Interna ad indirizzo Metabolico e Riabilitativo – DAI Medicina interna e della Complessità Clinica

Attività didattiche presso Università Italiane

2004-2011	Insegnamento di Medicina Interna I per il corso di Laurea Triennale in Tecnico di fisiopatologia cardiocircolatoria e perfusione cardiovascolare per il corso integrato di Fisiopatologia Cardiovascolare II, Università di Napoli "Federico II"
2005-2012	Insegnamento di Scienze Infermieristiche Generali per il corso integrato Infermieristica 3 Corso di Laurea Triennale Infermieristica, Università di Napoli "Federico II", sede distaccata di Vallo della Lucania, ASL SA 3.
2005-2014 e 2016-2017	Insegnamento di Medicina Interna, corso integrato di Medicina Clinica I, per il corso di Laurea in Infermieristica, ASL NA 3 Frattaminore
2007-2008 e 2009-2011	Insegnamento di Medicina Interna, corso integrato di Primo Soccorso per il corso di Laurea in Ostetricia, Università di Napoli "Federico II", sede distaccata di Salerno
2005 ad oggi	Insegnamento di Medicina Interna, corso integrato Medicina Clinica e Chirurgia Generale, per il corso di Laurea in Medicina e Chirurgia della Facoltà di Medicina e Chirurgia, Federico II di Napoli.
2005 ad oggi	Insegnamento di Medicina Interna, corso integrato Medicina Clinica, per il corso di Laurea in Medicina e Chirurgia della Facoltà di Medicina e Chirurgia, Federico II di Napoli.
2008 ad oggi	Insegnamento di Medicina Interna, corso integrato di Metodologia Clinica Medico-Chirurgica I per il corso di Laurea in Medicina e Chirurgia della Facoltà di Medicina e Chirurgia, Federico II di Napoli.
2009 ad oggi	Insegnamento di Medicina Interna, corso integrato Metodologia Clinica Medico-Chirurgica II, per il corso di Laurea in Medicina e Chirurgia della Facoltà di Medicina e Chirurgia, Federico II di Napoli.
2010-2011	Insegnamento di Medicina Interna, corso integrato di Approfondimenti di Scienze Medico Chirurgiche, Laurea Specialistica in Scienze Infermieristiche e Ostetriche Università di Napoli "Federico II"
2011-2012	Insegnamento di Medicina interna ed Endocrinologia, corso integrato di Scienze Propedeutiche Cliniche e Patologia Geriatrica, per il corso di Laurea in Tecniche Audioprotesiche, Facoltà di Medicina e Chirurgia, Federico II Napoli
2012 ad oggi	Insegnamento di Medicina interna, corso integrato Principi di Medicina Generale, per il corso di Laurea Triennale in

Tecniche Ortopediche, Facoltà di Medicina e Chirurgia,
Federico II Napoli

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| 2013 ad oggi | Insegnamento di Medicina Interna, corso integrato di Medicina Clinica Chirurgica, corso di Laurea Infermieristica Pediatrica, Università di Napoli "Federico II", sede distaccata Santobono Pausilipon |
| 2014 ad oggi | Insegnamento di Medicina Interna, corso integrato di Emergenze Medico-Chirurgiche, per il corso di Laurea in Medicina e Chirurgia, Federico II di Napoli. |
| 2017 ad oggi | Insegnamento di Medicina interna, Integrated Course of Medical, Surgical, Clinical Methodology I, CdL laurea magistrale in Medicina e Chirurgia in lingua inglese. |

Attività didattiche presso Università Estere

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| 2011-2012 | Didattica presso la New York University di NYC, incluso seminari e letture a studenti e scienziati. |
| 2003 | Faculty opponent alla PhD thesis della Dott.ssa Åsa Tivesten, seminari e letture presso la Sahlgrenska Academy, Università di Göteborg, Dipartimento di Medicina Interna. |
| 1994-1997 | Membro di Facoltà della Harvard Medical School con il titolo di "Instructor in Medicine". |

ISTRUZIONE E FORMAZIONE

Titoli di Studio:

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| 1986 | Specializzazione in Malattie dell'Apparato Cardiovascolare con il massimo dei voti conseguita presso l'Università degli Studi di Napoli Federico II |
| 1986 | Laurea in Medicina e Chirurgia, I Facoltà di Medicina e Chirurgia dell'Università degli studi di Napoli il 26.7.1986 con 110 e lode/110 e dignità di stampa della tesi |
| 1980 | Diploma di Maturità Classica, Lyceum Vittorio Emanuele II, Napoli |

Formazione

1993-96	Clinical and research fellow in Cardiovascular Disease dal 7.1.1993 al 30.6.1996 presso il Beth Israel Hospital, Harvard Medical School, Boston, MA, USA
1988	"Post-graduate fellow" presso il laboratorio di Doppler-ecocardiografia della Divisione di Cardiologia dell'Ospedale Universitario di Trondheim, Norvegia, diretto dal Dr. Liv Hatle, dal 7.10.1988 al 16.11.1988
1987	Medico frequentatore dal 16.6.1987 al 19.12.1987 presso la Unità Coronarica della Divisione di Cardiologia del Dipartimento di Medicina Interna dell'Ospedale Civile di Caserta
1986-89	Specializzazione in Malattie dell'Apparato Cardiovascolare presso l'Università degli Studi Federico II di Napoli
1985	"Visiting student" dal 30 Luglio al 30 Agosto 1985 presso la Cardiology Branch del National Heart Lung and Blood Institute dei National Institutes of Health di Bethesda, Maryland, USA, diretta dal Dr. S.E. Epstein
1983-86	Studente interno presso il Reparto di Cardiologia della I Facoltà di Medicina e Chirurgia dell'Università degli Studi di Napoli, diretto dal Prof. A. Iacono

COMPETENZE PERSONALI

Lingua madre Italiano

Altre lingue

	COMPRENSIONE		PARLATO		PRODUZIONE SCRITTA
	Ascolto	Lettura	Interazione	Produzione orale	
Inglese	Eccellente	Eccellente	Eccellente	Eccellente	Eccellente

ULTERIORI INFORMAZIONI

Principali interessi di ricerca

1. Endocrinologia cardiovascolare
2. Comorbidità non cardiache, in particolari ormonali, nella Insufficienza Cardiaca Cronica
3. Ruolo dei fattori di crescita in particolare dell'ormone della crescita (GH) e dell'insulin-like growth factor-1 (IGF-1) in fisiologia cardiaca e loro possibile utilizzo nella insufficienza cardiaca cronica
4. Ecocardiografia Doppler come strumento di ricerca cardiologica nell'uomo e nel piccolo animale da esperimento
5. Terapia genica cardiaca

6. Medicina di Genere
7. Riabilitazione cardiologica

Riviste per le quali è Referee:

Circulation, J Am Coll Cardiol, J Mol Cell Cardiol, Mol Cell Endocrinol, Cardiovasc Res, J Clin Endocrinol Metab, Hypertension, Am J Medicine, Am J Physiol, Growth Horm IGF Res, Mech Ageing Dev, Exp Biol Med, Eur Heart Journal, Eur J Heart Fail, Eur J Endocrinol, Circ Heart Fail, Cytokine, J Cardiac Fail, Regulatory Pept, Life Sciences, PlosOne.

Membro dell'Heart Failure Association (HFA)

Membro del Comitato Editoriale della rivista Frontiers in Vascular Physiology

Membro del Comitato Editoriale della rivista The Scientific World Journal

Indici Bibliometrici

H-index Scopus: 48

Total citations Scopus: 8401

94th in the Top Italian Scientist special ranking

Premi

2017	Vincitore del Bando Ricerca Finalizzata, progetto di Rete 2016 NET-2016-02361805
2016	Vincitore del Grant for Growth and Innovation 2016
1994	Vincitore della borsa di studio del CNR per "soggiorno di studioso all'estero" nel I semestre del 1994
1993	Vincitore della borsa di studio del CNR per "soggiorno di studioso all'estero" nel II semestre del 1993
1989	Premio Squibb
1988	Premio al Congresso Internazionale di Ecocardiografia in Roma

Direzioni enti di alta qualificazione

2021-ongoing	Executive Committee Board Officer Società Italiana di Medicina Interna (SIMI)
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2021- ongoing	Member of UNESCO Chair-Naples Health Education (Educazione alla salute e sviluppo sostenibile)
2017-2020	Presidente della Società Italiana di Medicina Interna (SIMI) – Sezione Campania
2014-2021	Direttore del CRIB (Centro di Ricerca Interdipartimentale sui Biomateriali dell'Ateneo Federico II di Napoli)

PUBBLICAZIONI IN ESTENSO SU RIVISTE INTERNAZIONALI

- 1 De Simone R, Gualtieri S, Coppolino P, Cittadini A, Iarussi D, Iacono A. Echocardiographic features of cardiac amyloidosis. A case report. **Cardiovascular Imaging** 1989;1:61-64.
- 2 Fazio S, Santomauro M, Ferraro S, Cittadini A, Papaccioli G, Maddalena G, Napoli R, Saccà L. Ibopamine in long term treatment of heart failure. **Curr Ther Res** 1990;48:253-258.
- 3 D'Ascia C, Picardi G, Cittadini A, De Luca G, Giaccio S, Saccà L. Gallopamil an diltiazem in the treatment of effort angina. Double blind, crossover, randomized study. **Curr Ther Res** 1991;51:145-153.
- 4 Cittadini A, Fazio S, D'Ascia C, Basso A, Bazzicalupo L, Picardi G, Saccà L. Subclinical cardiotoxicity by doxorubicin: a pulsed Doppler echocardiographic study. **Eur Heart J** 1991;12:1000-1005.
- 5 Fazio S, Santomauro M, Cittadini A, Ferraro S, Lucariello A, Maddalena G, Saccà L. Efficacy of ticlopidine in the prevention of thromboembolic episodes in patients with VVI pacemaker. **PACE** 1991;14:168-173.
- 6 Fazio S, Biondi B, Lupoli G, Cittadini A, Santomauro M, Tommaselli AP, Lombardi G, Saccà L. Evaluation, by noninvasive methods, of the effects of acute loss of thyroid hormones on the heart. **Angiology** 1992;43:287-293.
- 7 Fazio S, Cittadini A, Sabatini D, Santomauro M, Coccozza M, Oliviero U, Saccà L. Platelet aggregability in patients with VVI pacemaker. **PACE** 1993;16:1-3.
- 8 Fazio S, Cittadini A, Sabatini D, Merola B, Colao AM, Biondi B, Lombardi G, Saccà L. Evidence for biventricular involvement in acromegaly: a Doppler echocardiographic study. **Eur Heart J** 1993;14:26-33.
- 9 Biondi B, Fazio S, Carella C, Amato G, Cittadini A, Lupoli G, Saccà L, Bellastella A, Lombardi G. Adverse cardiac effects by long-term suppressive therapy with levothyroxine. **J Clin Endocrinol Metab** 1993;77:334-338.

- 10 Merola B, Cittadini A, Colao A, Ferone D, Fazio S, Sabatini D, Biondi B, Saccà L, Lombardi G. Chronic treatment with the somatostatin analog octreotide improves cardiac abnormalities in patients with acromegaly. **J Clin Endocrinol Metab** 1993;77:790-793.
- 11 Merola B, Cittadini A, Colao A, Fazio S, Longobardi S, Sabatini D, Saccà L, Lombardi G. Cardiac structural and functional abnormalities in GH-deficient adults. **J Clin Endocrinol Metab** 1993;77:1658-1661.
- 12 Amato G, Carella C, Fazio S, La Montagna G, Cittadini A, Sabatini D, Marciano-Moni L, Saccà L, Bellastella A. Body composition, bone metabolism, heart structure and function in growth hormone deficient adults before and after growth hormone replacement therapy at low doses. **J Clin Endocrinol Metab** 1993;77:1671-1676.
- 13 Biondi B, Fazio S, Carella C, Sabatini D, Amato G, Cittadini A, Bellastella A, Lombardi G, Saccà L. Control of adrenergic overactivity by beta-blockade improves the quality of life in patients receiving long term suppressive therapy with levothyroxine. **J Clin Endocrinol Metab** 1994;78: 1028-33.
- 14 Fazio S, Cittadini A, Cuocolo A, Merola B, Sabatini D, Colao A, Biondi B, Lombardi G, Saccà L. Impaired cardiac performance is a distinct feature of uncomplicated acromegaly. **J Clin Endocrinol Metab** 1994;79:441-446.
- 15 Cittadini A, Cuocolo A, Merola B, Fazio S, Sabatini D, Nicolai E, Colao A, Longobardi S, Lombardi G, Saccà L. Impaired cardiac performance in GH-deficient adults and its improvement after GH replacement. **Am J Physiol** 1994;267: E219-E225.
- 16 Saccà L, Cittadini A, Fazio S. Growth hormone and the heart. **Endocr Rev** 1994;15: 555-573.
- 17 Lombardi G, Merola B, Colao A, Longobardi S, Sofia M, Cuocolo A, Cittadini A, Fazio S, Saccà L. Effects of GH treatment on cardiac and ventilatory function in adult patients with GH deficiency. **Frontiers in endocrinology** 1994;9:225-231.
- 18 Fazio S, Biondi B, Carella C, Sabatini D, Amato G, Cittadini A, Panza N, Lombardi G, Saccà L. Diastolic dysfunction in patients on TSH-suppressive therapy with levothyroxine: effect of beta-blockade. **J Clin Endocrinol Metab** 1995;80:2222-2226.
- 19 Cuocolo A, Nicolai E, Fazio S, Pace L, Maurea S, Cittadini A, Saccà L, Salvatore M. Impaired left ventricular diastolic filling in patients with acromegaly: assessment with radionuclide angiography. **J Nucl Med** 1995;36:196-201.
- 20 Cittadini A, Fazio S, Strömer H, Cuocolo A, Sabatini D, Imbriaco M, Saccà L, Douglas PS. Optimal determination of right ventricular filling dynamics in systemic hypertension. **Am Heart J** 1995;130:1074-1082.
- 21 Rosen HN, Chen V, Cittadini A, Greenspan SL, Douglas PS, Moses AC, Beamer WG. Treatment with growth hormone and IGF-1 in growing rats increases bone mineral content but not mineral density. **J Bone Miner Res** 1995;10:1352-1358.
- 22 Napoli R, Cittadini A, Chow JC, Hirshman MF, Smith RJ, Douglas PS, Horton ES. Chronic growth hormone treatment in normal rats reduces post-prandial skeletal muscle plasma

membrane GLUT1 content, but not glucose transport or GLUT4 expression and localization. **Biochem J** 1996;315:959-963.

- 23 Cittadini A, Strömer H, Katz SE, Clark R, Moses AC, Morgan JP, Douglas PS. Differential cardiac effects of GH and IGF-1 in the rat: a combined in vivo and in vitro evaluation. **Circulation** 1996;93:800-809.
- 24 Strömer H, Cittadini A, Douglas PS, Morgan JP. Exogenously administered growth hormone and IGF-1 alter intracellular calcium handling and enhance cardiac performance: in vitro evaluation in the isolated isovolumic buffer perfused rat heart. **Circ Res** 1996;79:227-236.
- 25 Strömer H, Cittadini A, Szymanska G, Apstein C, Morgan JP. Validation of different methods to compare isovolumic cardiac function in isolated hearts of varying sizes. **Am J Physiol** 1997;272:H501-H510.
- 26 Fazio S, Cittadini A, Sabatini D, Merola B, Colao A, Biondi B, Longobardi S, Lombardi G, Saccà L. Growth hormone and heart performance: a novel mechanism of cardiac wall stress regulation in humans. **Eur Heart J** 1997;18:340-347
- 27 Cittadini A, Fazio S, Ferravante B, Saccà L, Douglas PS. Role of GH and IGF-1 in the treatment of heart failure: lessons from animal studies. **Endocrinol Metab** 1997;(suppl.B):27-31.
- 28 Fazio S, Cittadini A, Biondi B, Riccio G, Sabatini D and Saccà L. Heart failure caused by dilated cardiomyopathy : rationale for treatment with growth hormone. **Endocrinol Metab** 1997;4(B):33-36.
- 29 Cittadini A, Grossman JD, Napoli R, Katz SE, Strömer H, Smith RJ, Clark R, Morgan JP, Douglas PS. Growth hormone attenuates early left ventricular remodeling and improves cardiac function in rats with large myocardial infarction. **J Am Coll Cardiol** 1997;29:1109-1116.
- 30 Forman DE, Cittadini A, Azhar G, Douglas PS, Wei JY. Cardiac morphology in senescent rats: gender related differences. **J Am Coll Cardiol** 1997;30:1872-1877.
- 31 Cittadini A, Strömer H, Vatner DE, Grossman JD, Katz SE, Clark R, Morgan JP and Douglas PS. Consequences of growth hormone deficiency on cardiac structure, function, and β -adrenergic pathway: studies in mutant dwarfs rats. **Endocrinol** 1997;138:5161-5169.
- 32 Cittadini A, Ishiguro Y, Strömer H, Spindler M, Moses AC, Clark R, Douglas PS, Ingwall JS, Morgan JP. Insulin-like growth factor-I but not growth hormone augments mammalian myocardial contractility by sensitizing the myofilament to Ca^{2+} through a wortmannin-sensitive pathway. Studies in rat and isolated muscles. **Circ Res** 1998;83:50-59.
- 33 Cittadini A, Douglas PS. Growth hormone therapy in ischemic heart disease. **J Endocrinol Invest** 1998;21:72-79.

- 34 Fazio S, Biondi B, Cittadini A, Palmieri EA, Sabatini and Saccà L. Impact of pituitary adenomas on the heart. **Pituitary tumors: Epidemiology, Pathogenesis and Management** 1998:211-223 Ed SM Webb BioScientifica Ltd, Bristol.
- 35 Bishop A, Travers KE, Grossman J, Johnson H, Perreaut C, Woolf JH, Cittadini A, Gonzalez-Serratos H, Morgan JP. Alterations in heart failure of cyclic AMP-dependent inotropic and lusitropic properties of cardiac and skeletal muscle. **Ann NY Acad Sci** 1998;853:209-219.
- 36 Cittadini A, Longobardi S, Fazio S, Saccà L. Growth hormone and the heart. **Miner Electrol Metab** 1999;25:51-55.
- 37 Saccà L, Fazio S, Longobardi S and Cittadini A. Cardiac effects of growth hormone in physiology and in heart failure. **Endocrine J** 1999;46 S5-S10.
- 38 Biondi B, Fazio S, Palmieri EA, Carella C, Panza N, Cittadini A, Bone' F, Lombardi G and Saccà L. Left ventricular diastolic dysfunction in patients with subclinical hypothyroidism. **J Clin Endocrinol Metab** 1999;84:1-4.
- 39 Cittadini A, Mantzoros CS, Hampton TG, Travers KE, Katz SE, Morgan JP, Flier JS, Douglas PS. Cardiovascular abnormalities in transgenic mice with reduced brown fat: an animal model of human obesity. **Circulation** 1999;100:2177-2183.
- 40 Wallace DW, Cuneo RC, Baxter R, Ørskov H, Keay N, Pentecost C, Dall R, Rosen T, Jørgensen JO, Cittadini A, Longobardi S, Saccà L, Christiansen JS, Bengtsson B-Å, Sönksen PH. Responses of the GH and insulin-like growth factor axis to exercise, GH administration and GH withdrawal in trained adult males: a potential test for GH abuse in sport. **J Clin Endocrinol Metab** 1999;84:3591-3601.
- 41 Fazio S, Cittadini A, Biondi B, Palmieri EA, Saccà L. Growth hormone as a potential future therapy for congestive heart failure. **Coronary Artery Dis** 1999;10:383-388.
- 42 Strömer H, Cittadini A, Grossman JD, Douglas PS, Mogan JP. Intrinsic cardiac muscle function, calcium handling and β -adrenergic responsiveness is impaired in rats with growth hormone deficiency. **Growth hormone & IGF Research** 1999;9.
- 43 Fazio S, Palmieri EA, Biondi B, Cittadini A, Saccà L. The role of the GH-IGF-I axis in the regulation of myocardial growth: from experimental models to human evidence. **Eur J Endocr.**2000;142:211-216.
- 44 Fazio S, Cittadini A, Biondi B, Palmieri EA, Riccio G, Bonè F, Oliviero U, Saccà L. Cardiovascular effects of short-term growth hormone hypersecretion. **J Clin Endocrinol Metab** 2000;85:179-182.
- 45 Longobardi S, Keay N, Ehrnborg C, Cittadini A, Rosen T, Dall R, Boroujerdi MA, Bassett EE, Healy ML, Pentecost C, Wallace JD, Powrie J, Jørgensen JO, Saccà L. Growth hormone (GH) effects on bone and collagen turnover in healthy adults and its potential as a marker of GH abuse in sports: a double blind, placebo-controlled study. **J Clin Endocrinol Metab** 2000;85:1505-1512.

- 46 Longobardi S, Cittadini A, Stromer H, Kats SE, Grossman JD, Clark RG, Morgan JP, Douglas PS. Echocardiographic assessment of cardiac morphology and function in mutant dwarf rats. **Growth Horm IGF Res** 2000;10:242-247
- 47 Dall R, Longobardi S, Ehrnborg C, Keay N, Rosen T, Jorgensen JO, Cuneo RC, Boroujerdi MA, Cittadini A, Napoli R, Christiansen JS, Bengtsson BA, Sacca L, Baxter RC, Basset EE, Sonksen PH. The effect of four weeks of supraphysiological growth hormone administration on the insulin-like growth factor axis in women and men. GH-2000 Study Group. **J Clin Endocrinol Metab** 2000;85:4193-200
- 48 Cittadini A, Grossman JD, Strömer H, Katz SE, Morgan JP, Douglas PS. Importance of an intact growth hormone/IGF-1 axis for normal post-infarction healing: studies in dwarf rats. **Endocrinology** 2001;142:332-338.
- 49 Wallace JD, Cuneo RC, Bidlingmaier M, Lundberg PA, Carlsson L, Boguszewski CL, Hay J, Boroujerdi M, Cittadini A, Dall R, Rosen T, Strasburger CJ. Changes in non-22-kilodalton (kda) isoforms of growth hormone (GH) after administration of 22-kda recombinant human GH in trained adult males. **J Clin Endocrinol Metab** 2001;86:1731-1737.
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▪ NESSUNO

Napoli, 25 Novembre 2025

