

PERSONAL INFORMATION

Antonio Cittadini



 Viale Raffaello 34, 80129 Naples (Italy)

 +39 0817464375  +39 3382495113

 email: antonio.cittadini@unina.it

Sex Male | Date of birth 1/1/1963 | Nationality Italian

| CF CTTNTN63A01I839P

PROFESSIONAL EXPERIENCES

Current work

Department of Translational Medical Sciences, via S. Pansini 5
80131 Naples
Email: antonio.cittadini@unina.it
Tel. +39081 7464375

Professional activities

- | | |
|-----------|--|
| 2020 | Deputy Director of the Clinical Department of Clinical Immunology, Clinical Pathology and Infectious Diseases |
| 2019 | Coordinator of the course of Clinical Methodology I and II of the School of Medicine and Surgery – Federico II University of Naples |
| 2017 | Director of the Internal Medicine and Rehabilitation Program, Clinical Department of Clinical Immunology, Clinical Pathology and Infectious Diseases |
| 2017 | Professor of Internal Medicine – Federico II University of Naples |
| 2017 | Coordinator of the course of Clinical Methodology of the School of Medicine – Federico II University of Naples |
| 2012 | Eligibility as Full Professor of Internal Medicine from the National Agency of Academic Evaluation (ANVUR) (06/B1) |
| 2005-2017 | Associate Professor of Internal Medicine – Federico II University of Naples |

2004	Eligibility as Associate Professor of Internal Medicine - University of Milan
2001-2005	Researcher at the Department of Clinical Medicine, Cardiovascular and Immunological Sciences -Federico II University of Naples
1994-2001	Technical Officer (VIII Level) at the Department of Clinical Medicine, Cardiovascular and Immunological Sciences - Federico II University of Naples
1990-1994	Technical Collaborator (VIII Level) at the Department of Clinical Medicine, Cardiovascular and Immunological Sciences -Federico II University of Naples
1989	Board Certification in Cardiology
1987	Registration at the General Medical Council - Naples
1986	Eligibility as Medical Doctor

Principal Clinical Activities

4/7/1990-31/12/1996	Resident, Division of the Department of Internal Medicine, Geriatry and Cardiovascular Pathology at the "Federico II" University Hospital-Naples
1/1/1997-31/7/1999	Full time Dirigente Medico di I livello - Division of the Department of Internal Medicine, Geriatry and Cardiovascular Pathology at the "Federico II" University Hospital-Naples
1/8/1999-17/3/2013	Full time Dirigente Medico - Division of the Department of Internal Medicine, Geriatry and Cardiovascular Pathology at the "Federico II" University Hospital-Naples
18/3/2013-29/10/2013	Full time Dirigente Medico di I livello - Division of the Department of Internal Medicine, Clinical Pathology at the "Federico II" University Hospital-Naples
30/10/2013-2017	Director of the Unit "Cardioendocrinology", Division of Internal Medicine, Metabolism & Rehabilitation, "Federico II" University Hospital, Naples (Italy)
2018-ongoing	Director of the Division of Internal Medicine, Metabolism & Rehabilitation, "Federico II" University Hospital, Naples (Italy)

ACADEMIC APPOINTMENTS

1990	Assistant Professor of Medicine, University 'Federico II', Naples, Italy
1994-1997	Instructor of Medicine, Harvard Medical School, Boston, MA, USA
2005-	Associate Professor of Internal Medicine, University 'Federico II', Naples, Italy
2012-2017	Full Professor of Internal Medicine (abilitazione scientifica nazionale ASN)
2017	Full Professor of Internal Medicine

Teaching activities in foreign universities

1994-1997	Instructor of Medicine, Harvard Medical School, Boston USA 2003 Faculty opponent PhD thesis Dr. Åsa Tivesten, seminars and lectures at Department of Internal Medicine, Sahlgrenska Academy, Göteborg University, Sweden
2011-now	Teaching duties including lectures and seminars for student and scientists at New York University di NYC, USA.

Education and training

Education:

1989	Board Certification in Cardiology - Federico II University of Naples
1986	Degree in Medicine and Surgery, Federico II University of Naples 110 e lode
1980	High School Diploma, Lyceum Vittorio Emanuele II, Napoli

Training

- 1993-96 Clinical and research fellow in Cardiovascular Disease dal 7.1.1993 al 30.6.1996 - Beth Israel Hospital, Harvard Medical School, Boston, MA, USA
- 1988 "Post-graduate fellow" – Laboratory of Doppler-echocardiography- Division of Cardiology Trondheim Hospital, Norway, Directed by Dr. Liv Hatle
- 1987 Clinical Fellow at the Coronary Unit – Division of Cardiology of the Department of Internal Medicine, Caserta Hospital
- 1986-89 Board Certification in Cardiology, Federico II University of Naples
- 1985 "Visiting student" at the Cardiology Branch of the National Heart Lung and Blood Institute - National Institutes of Health di Bethesda, Maryland, USA, Directed by Dr. S.E. Epstein
- 1983-86 Internship at the Cardiology Unit - I Facoltà di Medicina e Chirurgia – University of Naples, directed by Prof. A. Iacono

PERSONAL SKILLS

Mother Tongue Italian

Others	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken Interaction	Spoken Production	
English	Excellent	Excellent	Excellent	Excellent	Excellent

SCIENTIFIC INTEREST

1 - Endocrine comorbidities in heart failure; 2 - Cardiovascular endocrinology; 3 - Role of Growth Hormone and Insulin Like Growth Factor-1 in Cardiovascular Physiology and as Potential Therapeutic Agents in Cardiac Diseases

REFeree FOR THE
FOLLOWING SCIENTIFIC
JOURNALS:

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.

AWARDS

1988	Award at the International Congress of Echocardiography, Rome
1989	Squibb Award
1993	Scholarship from CNR for "soggiorno di studioso all'estero"
1994	Scholarship from CNR for "soggiorno di studioso all'estero"
2016	Winner of the Grant for Growth and Innovation 2016
2017	Winner of the Grant "Ricerca Finalizzata", 2016 NET-2016-02361805

International Research Projects

EU Project BMH4 CT950678 - GH 2000 A Methodology for the Detection of Doping with Growth Hormone and Related Substance

EU Project H2020-HP-PJ-2014-“Stimulating Innovation Management of Polypharmacy and Adherence in The Elderly - SIMPATHY” (Project number 663082)
Budget € 104.860,00 AUO Federico II (24 months)

T.O.S.CA. Registry 2013-Present. Director and Chief of Steering Committee
www.med-school.info/

Grant for Growth Innovation- 2016 ‘Treatment of Growth Hormone Deficiency associated with Chronic Heart Failure: A Randomized, Double-Blind, Placebo-Controlled Study’- Budget € 190.000

Ministero della Salute, Ricerca Finalizzata- 2016 “Development and implementation of common strategy for the management of community dwelling older subjects with multimorbidity and polypharmacy: integration with a multicomponent

intervention platform by using domotic, robotic and telecare systems. Project code: NET-2016-02361805. Budget € 2.399.950,00

Bibliometric Indexes

H-index Scopus: 47

Total citations Scopus: 7693

Citations Average Scopus: 35.13

Chairing of high qualified Institutions

- | | |
|--------------|---|
| 2014-2021 | Chair of the CRIB (Centro di Ricerca Interdipartimentale sui Biomateriali) Federico II University of Naples |
| 2017-ongoing | President of the Italian Society of Internal Medicine (SIMI) – Campania Section |

Invited Lectures

- | | |
|------|--|
| 1995 | GH/IGF-1 effects in animal models. Le Mas D'Artigny, France, 2-3 Novembre 1995 |
| 1996 | GH and the cardiovascular system. Cardiovascular Grand Round, Beth Israel Hospital, Boston, USA, 9.5.1996 |
| 1996 | GH and the heart: lessons from human and animal studies. Endocrinology Grand Round, Beth Israel Hospital, Boston, USA, 17.5.1996 |
| 1996 | GH/IGF-1 effects in experimental model of heart failure. Vienna, Austria, 18,19 Ottobre 1996 |
| 1996 | Growth Hormone and IGF-1 in Heart Failure. Dublino, Irlanda, 22.11.1996 |
| 1997 | GH/IGF-1 axis in cardiovascular physiology and in heart failure, Wuerzburg, Germany, 27.2.1997 |
| 1998 | Aortic pathology, end of the days challenges and newer technologies application. Napoli, Italy, 21.5.1998 |
| 1998 | Nuovi approcci terapeutici nello scompenso cardiaco: ormone della crescita. In: Problemi emergenti di diagnostica e terapia per la cardiologia del territorio. Convegno regionale A.N.C.E. Napoli, Italia, 13.6.1998 |

- 1998 Growth Hormone in cardiac heart failure. Pechino, Cina, 14.10.1998
- 1998 Potenziale utilizzo dell'ormone della crescita nell'insufficienza cardiaca. In: Attualità in tema di deficit di GH in età pediatrica e adulta. III corso interattivo di aggiornamento in endocrinologia. Ravello, Italia, 17.10.1998
- 1999 Ormone somatotropo e cuore. In: Ormone somatotropo (GH): eccessi, difetti, abusi. Messina, Italia, 2.10.1999
- 2000 Epidemiologia e inquadramento clinico dello scompenso cardiaco in: Nuovi orientamenti nel trattamento dello scompenso cardiaco Napoli, Ordine dei Medici Italia, 9.10.2000
- 2002 12th Annual International Conference on ECHOCARDIOGRAPHY: CASE STUDIES AND RECENT ADVANCES. Chicago, USA, November 16, 2002
- 2003 "Faculty Opponent" alla discussione pubblica della PhD thesis della Dott.ssa Åsa Tivesten, Sahlgrenska Akademien, Università di Göteborg. February 28, 2003
- 2003 Controversie in diagnostica per immagini in cardiologia, casi clinici. In: Controversie in cardiologia. Napoli, Italia, 11-12.09.2003
- 2003 Strategie d'approccio al ventricolo sinistro: correlazione tra clinica e laboratorio durante TRC (199-2003)In: Update on arrhythmias. Bacoli (NA), Italia, 18.10.2003
- 2004 Fisiopatologia e conseguente trattamento farmacologico dello scompenso cardiaco. In: Congresso nazionale di Aritmologia, AIAC. Napoli, Italia, 20-23.04.2004
- 2004 Cardiac tissue engineering in heart failure: ready for prime time? Chairperson. In: ESC congress 2004, Monaco, Germania, 28.08 – 1.09.2004
- 2004 The forgotten endocrine glands in heart failure main session. Chairperson. In: Heart failure Update, ESC, Wroclaw, Polonia, 12-15.06.2004
- 2004 Materiali bioattivi per il riparo miocardico. C.R.I.B. Università degli Studi di Napoli, 21.09.2004
- 2004 Growth factor approach in heart failure: rationale and perspective. In: Basic concepts and innovative strategies in heart disease. Capri, Italia, 1-3.10.2004
- 2004 Ormone della crescita e scompenso cardiaco. In: Ruolo della medicina di laboratorio in cardiologia. Pisa, Italia, 4-6.10.2004
- 2005 Terapia dello scompenso cardiaco con fattori di crescita: razionale e prospettive. Università degli Studi di Torino, 25-5-05

- 2006 Growth factor approach in heart failure: rationale and perspective. Atene, Grecia, Aprile 2006
- 2006 Il parere dell'internista, Corso avanzato di aritmologia, diagnosi e trattamento della sincope: ciò che il medico dovrebbe conoscere. Napoli, 10 ottobre 2006.
- 2007 Terapia sostitutiva e farmacologica con GH nello scompenso cardaico cronico, Incontro di studio “deficit di GH e scompenso cardiaco: una relazione pericolosa, Napoli, 18.6.2007
- 2008 Replacement therapy with growth hormone in heart failure, “Hormones and heart failure”, Napoli, 18.4.2008
- 2008 Cuore e syndrome di Klinefelter, Seminario di formazione sulla Sindrome di Klinefelter, Napoli, 26.9.2008
- 2008 Approccio ormonale alla terapia dello scompenso cardiaco, “Aggiornamenti in prevenzione e terapia cardiovascolare, Ischia, 16-18 ottobre 2008
- 2008 Scompenso cardiaco: dalle line guida alla pratica clinica, “Heart failure: from bench to bedside, Vietri sul mare (SA) 27-28 novembre 2008
- 2009 Insufficienza cardiaca e deficit ormonali, Seminario Monaldiano, Napoli, 6.2.2009
- 2009 T.O.S.C.A. Project – Il deficit di GH nell'adulto e lo scompenso cardiaco, Salutiadi 2009, Certosa di San Giacomo, Lauro (AV), 29.6.2009
- 2009 Terapia ormonale nello scompenso cardiaco, “Attualità in cardiologia”, San Daniele del Friuli, 4.9.2009
- 2010 Dalla ricerca alla pratica clinica: il progetto T.O.S.C.A. – Heart Failure:from bench to bedside, Sala Morelli delle Pubbliche adunanze, Amalfi (SA), 7.04.2010
- 2010 Cuore e sindrome di Klinefelter – Seminario di formazione sulla sindrome di Klinefelter, II edizione 2010, Aula Magna Federico II Napoli, 17.04.2010
- 2010 GHD dell'adulto e ICC: uno studio cross sectional – Ricerca:quale ruolo? – Sede Coop Cippus, Nola (NA), 28.05.2010
- 2010 Le sincopi nel paziente di interesse internistico. – Nuovi strumenti gestionali della sincope: l'health technology assessment e l'horizon scanning, Università Parthenope Napoli, 28.09.2010
- 2010 Cardio-oncologia: la ricerca clinica e sperimentale – Il congresso nazionale di cardioncologia, complicanze cardiovascolari in oncologia: ieri e oggi. La gestione delle problematiche, Centro Congressi Federico II Napoli, 28-29.10.2010

- 2011 Insulino-resistenza e insufficienza cardiaca – Insulino resistenza e patologia cardiovascolare, Centro Congressi Royal Continental Federico II Napoli, 19-20.05.2011
- 2011 Outline per progetto T.O.S.C.A. – Deficit di ormone della crescita in pazienti con insufficienza cardiaca cronica:il progetto T.O.S.C.A., Federico II Napoli, 27.05.2011
- 2011 Hormonal treatment in chronic heart failure (T.O.S.C.A) – Mediterranean School in cardiovascular Sciences: education, research and care, Lloyd's Baia Hotel, Amalfi, 20-21.10.2011
- 2011 Highlights dall'ESC 2011 – Update sullo scompenso cardiac, Aula Magna Parthenope Napoli, 25.10.2011
- 2011 IGF-1 e remodelling vascolare post injury – Focus su ormoni e patologia cardiovascolare, Eremo SS. Salvatore, Napoli, 28.10.2011
- 2012 Rischio cardiovascolare - Fattori di rischio e Sindrome di Klinefelter - Aula Magna SUN Napoli, 21 gennaio 2012
- 2012 Fisiopatologia e management delle problematiche cardiovascolari in oncologia - Centro Congressi Federico II - Aula Magna Partenope, 29-31 marzo 2012
- 2012 Ecocardio e atassia di Friedreich - StartUP trial clinico FriEMax, Aula Neurologia, Università Federico II, 2 luglio 2012
- 2012 Immunodeficienze e malattie immuno-mediate, Palazzo Arcivescovile, Nusco (AV), 11-14 luglio 2012
- 2012 Insufficienza cardiaca ed endocrinopatie - XI Congresso Regionale A.R.C.A., Castellammare di Stabia, 5-6 ottobre 2012
- 2012 Fibrillazione atriale e dintorni, riunione scientifica regionale SIC, Napoli, 15 ottobre 2012
- 2013 Insufficienza cardiaca e deficit anabolici. Seminario di Medicina Interna Università di Ferrara - Dipartimento di Scienze Mediche. 16/4
- 2013 ISBEM mini medical school. CURARE i pazienti con scompenso cardiaco. 26/4. Mesagne.
- 2013 T.O.S.C.A. registry. Lettura invitata Aula Magna IRCCS Policlinico San Donato, Milano, 28/3
- 2013 Personalizzazione della terapia ipolipemizzante nel paziente ad alto rischio cardiovascolare: il valore di ezetimibe in associazione alle statine. 3a Giornata di Riabilitazione Cardiologica, Ospedale San Gennaro, 6/6

- 2013 Deficit anabolici ed insufficienza cardiaca. Update sulla insufficienza cardiaca. Aula Magna Università Federico II di Napoli, 17/6
- 2013 Quando trattare una stenosi dell'arteria renale. CIS (cardiologia interventistica sud) 2013, 13-14/9.
- 2013 Progetto TOSCA un update. Update deficit ormone della crescita in pazienti con insufficienza cardiac acronica Il progett TOSCA. Aula Magna DISMET, 4/10
- 2013 Il progetto TOSCA. Cardiologia aperta. Hotel "I Gigli", Nola, 12/10
- 2014 Lo scompenso cardiaco nel paziente iperteso con endocrinopatia: la sindrome di deficit di GH. Ipertensione&Scompenso2014, Bari, Sheraton Nicolaus, 17-18/1
- 2014 ADHF (acute decompensated heart failure): un update. Seminario di Medicina Interna Università di Ferrara - Dipartimento di Scienze Mediche. Insufficienza cardiaca e deficit anabolici. 25/3
- 2014 Dati preliminari dello studio TOSCA. AME Sud-Italia. Matera. 9/5.
- 2014 Ipertensione arteriosa e danno d'organo. GISE Regione Campania. 16/5, Napoli
- 2014 La terapia anticoagulante: nuovi orizzonti gestionali. COOP Vesuvio, 24/5.
- 2014 Primo Congresso Interregionale ANIED Sud-Italia, Hilton Garden INN, 9-10 Maggio 2014, Matera
- 2014 2nd international meeting Mediterranean School of Cardiovascular Sciences 10-11 Ottobre 2014
- 2015 L'angioplastica primaria in paziente con fibrillazione atriale, GISE (Società italiana di Cardiologia Interventistica) Regione Campania 2015, 19-20 Marzo 2015
- 2015 Epidemiologia e costi dello scompenso cardiaco e nuovi test ematochimici Nola Cuore 2015, STEMI E NSTEMI: approccio clinico ed interventistico, 21 marzo 2015, Nola
- 2015 CAMPUS CUORE, 10-11 Aprile 2015, Napoli
- 2015 Terapia con tiroxina e rischio cardiovascolare, 38° Congresso Nazionale SIE - 27-30 Maggio 2015, Taormina
- 2015 5° Focus sulla Terapia del Diabete Tipo 2 dove ricerca e territorio si incontrano, 4-5 Dicembre 2015 Grand Hotel Orient, Napoli

- 2016 Sindrome da deficienza multipla ormonale nello scompenso cardiac cronico-Endocrinologia cardiovascolare:evidenze in vivo e in vitro su nuovi approcci terapeutici. Accademia Medica di Roma, 7 Aprile 2016.
- 2016 Controllo metabolico e rischio cardiovascolare, 61° Congresso Nazionale SIGG - Napoli, 30 novembre-3 dicembre 2016
- 2016 Incontro SIMI (Società Italiana di Medicina Interna) Campania 30 Giugno 2016
- 2016 Scompenso ed Ormoni, Attualità in cardiologia 2016 – 9 Settembre 2016, San Daniele in Friuli (UD)
- 2016 Treatment of Growth Hormone Deficiency Associated with Chronic Heart Failure: A Randomized, Double-Blind, Placebo-Controlled Study ESPE – European Society for Pediatric Endocrinology, 10-12 Settembre 2016, Parigi
- 2016 Novità terapeutiche nella insufficienza cardiaca con frazione di eiezione ridotta Cardiovascular Research Day- Mediterranean School of Cardiovascular Sciences 20-21 Ottobre 2016, Vietri sul Mare
- 2016 Deficit ormonali multipli: studio TOSCA Aggiornamenti in tema di Scompenso Cardiaco 4-5 Novembre 2016, Salerno
- 2016 Registro TOSCA: Dove siamo e problematiche operative. Insufficienza Cardiaca Cronica come sindrome da deficit ormonali multipli, 14 Dicembre 2016, Napoli
- 2016 Update sul deficit di GH dal bambino all'adulto, Hypopituitarism: Opinions and management and Education, Centro Congressi Federico II, 19-20 dicembre 2016, Napoli
- 2017 Trattamento del deficit ormonale multiplo: il Progetto Tosca Multimorbidità e complessità terapeutica: nuove sfide nel paziente cardiopatico, 3 febbraio 2017, Salerno
- 2017 Terapia Anticoagulante /Antiaggregante e chirurgia non cardiaca, Nola Cuore, Update in Cardiologia, 18 Maggio 2017
- 2017 9° Convegno il management dell'acqua e del sodio: quale ruolo nello scompenso cardiaco, Palermo 9-10 Giugno 2017
- 2017 IV Edizione delle Giornate Cardiologiche Partenopee- L'insufficienza cardiaca: prevenirla, diagnosticarla, curarla. Napoli 13 Giugno 2017
- 2017 APULIA HEART FAILURE 2017 - Anomalie dell'asse GH/IGF1. Bari, 5-6 Ottobre 2017

- 2018 Cardiometabolic Risks And Cardiomyopathies - Endocrine homeostasis and cardiac function: role of the Growth Hormone in the failing heart 19 al 21 aprile 2018
- 2018 CARDIOversie in Parthenope, Esiste un posto per i nutraceutici in prevenzione secondaria? 19 Ottobre 2018
- 2019 120° Congresso Nazionale SIMI (Società Italiana di Medicina Interna) - Roma, 18/20 ottobre 2019
- 2020 Evento Re-Place – Virtual Meeting, 3 Novembre 2020
- 2020 SIMI EDUCATIONAL- Il paziente multimorbido affetto da BPCO e la sua complessità. Modalità virtuale, 14 Novembre 2020

Publications

- 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, Saccá 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, Giacco S, Saccá 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, Saccá 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, Saccá 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, Saccá 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, Cocozza M, Oliviero U, Saccá 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, Saccá 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, Saccá 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, Saccá 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, Saccá 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, Saccá 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, Saccá 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, Saccá 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, Saccá L. Impaired cardiac performance in GH-deficient adults and its improvement after GH replacement. *Am J Physiol* 1994;267: E219-E225.
- 16 Saccá 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, Perreault 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 Electrolyt 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 Endocrinol* 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, Jørgensen JO, Cuneo RC, Boroujerdi MA, Cittadini A, Napoli R, Christiansen JS, Bengtsson BA, Sacca L, Baxter RC, Bassett 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.
- 50 Palmieri EA, Benincasa G, Di Rella F, Casaburi C, Monti MG, De Simone G, Chiariotti L, Palombini L, Bruni CB, Saccà L, Cittadini A. Differential expression of TNF- α , IL-6, and IGF-1 by graded mechanical stress in normal rat myocardium. *Am J Physiol* 2002;282:H926-H934
- 51 Cittadini A, Berggren A, Longobardi S, Ehrnborg C, Napoli R, Rosén T, Fazio S, Caidahl K, Bengtsson B-Å, Saccà L. Supraphysiological doses of growth hormone induce rapid changes in cardiac morphology and function. *J Clin Endocrinol Metab* 2002;87:1654-1659.
- 52 Cittadini A, Casaburi C, Monti MG, Di Gianni A, Serpico R, Scherillo G, Saldamarco L, Vanasia M, Saccà L. Effects of canrenone on myocardial reactive fibrosis in a rat model of postinfarction heart failure. *Cardiovasc Drug Ther* 2002;16:195-201.

- 53 Indolfi C, Di Lorenzo E, Perrino C, Stingone AM, Curcio A, Torella D, Cittadini A, Cardone L, Coppola C, Cavuto L, Arcucci O, Saccà L, Avvedimento EV, Chiariello M. Hydroxymethylglutaryl coenzyme A reductase inhibitor simvastin prevents cardiac hypertrophy induced by pressure overload and inhibits p21ras activation. *Circulation* 2002;106:2118-2124
- 54 Bonci D, Cittadini A, Latronico MVG, Borrello U, Aycock JK, Drusco A, Innocenzi A, Lavitrano ML, Monti MG, Ross Jr J, Naldini L, Peschle C, Cossu G, Condorelli G. "Advanced" generation lentiviruses as efficient vectors for cardiomyocyte gene transduction in vitro and in vivo. *Gene Ther* 2003;10:630-636
- 55 Cittadini A, Comi LI, Longobardi S, Peretta VR, Casaburi C, Passamano L, Merola B, Durante-Mangoni E, Saccà L, Politano L. A preliminary randomized study of growth hormone administration in Becker and Duchenne muscular dystrophies. *Eur Heart J* 2003;24:664-672.
- 56 Cice G, Ferrara L, D'Andrea A, D'Iса S, Di Benedetto A, Cittadini A, Russo PE, Golino P, Calabр R. Carvedilol prolongs 2-year survival in dialysis patients with dilated cardiomyopathy. A prospective, placebo-controlled trial. *J Am Coll Cardiol* 2003;41:1438-44
- 57 Cittadini A, Monti MG, Isgaard J, Casaburi C, Strömer H, Di Gianni A, Serpico R, Saldamarco L, Vanasia M, Saccà L. Aldosterone receptor blockade improves left ventricular remodelling and increases ventricular fibrillation threshold in experimental heart failure. *Cardiovasc Res* 2003;58:555-564
- 58 Cittadini A, Isgaard J, Monti MG, Casaburi C, Di Gianni A, Serpico R, Iaccarino G, Saccà L. Growth hormone prolongs survival in experimental heart failure. *J Am Coll Cardiol* 2003;21:54-63
- 59 Saccà L, Napoli R, Cittadini A. Growth hormone, acromegaly and heart failure: an intricate triangulation. *Clin Endocrinol* 2003;59:660-671
- 60 Napoli R, Guardasole V, Angelini V, Capasso AM, Zarra E, Cittadini A, Matarazzo M, Saccà L. Food and red wine do not exert acute effects on vascular reactivity. *Metabolism* 2004;53:1081-1086
- 61 Tivensten A, Barlind A, Cahidhal K, Klintland N, Cittadini A, Ohlsson C, Isgaard J. Growth hormone-induced blood pressure decrease is associated with increased mRNA levels of the vascular smooth muscle K_{ATP} channel. *J Endocrinol* 2004;183:195-202
- 62 Napoli R, Cozzolino D, Guardasole V, Angelini V, Zarra E, Matarazzo M, Cittadini A, Saccà L, Torella R. Red wine consumption improves insulin resistance but not endothelial function in type 2 diabetic patients. *Metabolism* 2005;54:306-13
- 63 Giannoulis MG, Boroujerdi MA, Powrie J, Dall R, Napoli R, Ehrnborg C, Pentecost C, Cittadini A, Jørgensen JO, Sonksen PH; GH-2000 Study Group. Gender differences in growth hormone response to exercise before and after rhGH administration and the effect

- of rhGH on the hormone profile of fit normal adults. *Clin Endocrinol (Oxf)* 2005;62:315-22
- 64 Healy ML, Dall R, Gibney J, Bassett E, Ehrnborg C, Pentecost C, Rosen T, Cittadini A, Baxter RC, Sönksen PH. Toward the development of a test for growth hormone (GH) abuse: a study of extreme physiological ranges of GH-dependent markers in 813 elite athletes in the postcompetition setting. *J Clin Endocrinol Metab* 2005;90:641-4
- 65 Cittadini A, Monti MG, Iaccarino G, Di Rella F, Tsichlis PN, Di Gianni A, Strömer H, Sorriento D, Peschle C, Trimarco B, Saccà L, Condorelli G. Adenoviral gene transfer of Akt enhances myocardial contractility and intracellular calcium handling. *Gene Ther* 2006;3:8-19
- 66 D'Ascia C, Cittadini A, Monti MG, Riccio G, Saccà L. Effects of biventricular pacing on interstitial remodelling, tumor necrosis factor-alpha expression, and apoptotic death in failing human myocardium. *Eur Heart J* 2006;27:201-06
- 67 Strömer H, Palmieri EA, De Groot MC, Di Rella F, Leupold A, Horn M, Monti MG, Napoli R, Di Gianni A, Isgaard J, Saccà L, Neubauer S, Cittadini A. Growth hormone- and pressure overload-induced cardiac hypertrophy evoke different responses to ischemia-reperfusion and mechanical stretch. *Growth Horm IGF Res* 2006;16:29-40
- 68 Fazio S, Palmieri EA, Affuso F, Cittadini A, Castellano G, Russo T, Ruvolo A, Napoli R, Saccà L. Effects of growth hormone on exercise capacity and cardiopulmonary performance in patients with chronic heart failure. *J Clin Endocrinol Metab* 2007;92:4218-23
- 69 Salerno M, Oliviero U, Lettieri T, Guardasole V, Mattiacci DM, Saldamarco L, Capalbo D, Lucariello A, Saccà L, Cittadini A. Long-term cardiovascular effects of levothyroxine therapy in young adults with congenital hypothyroidism. *J Clin Endocrinol Metab* 2008;93:2486-91
- 70 Napoli R, Guardasole V, Zarra E, Matarazzo M, D'Anna C, Saccà F, Affuso F, Cittadini A, Carrieri PB, Saccà L, Napoli R. Vascular smooth muscle cell dysfunction in patients with migraine. *Neurology* 2009;72:2111-4
- 71 Cittadini A, Saldamarco L, Marra AM, Arcopinto M, Carlomagno G, Imbriaco M, Del Forno D, Vigorito C, Merola B, Oliviero U, Fazio S, Saccà L. Growth Hormone Deficiency in Patients with Chronic Heart Failure and Beneficial Effects of Its Correction. *J Clin Endocrinol Metab*. 2009;94:3329-36
- 72 Cittadini A, Monti M, Castiello M, D'Arco E, Galasso G, Sorriento D, Saldamarco L, de Paulis A, Napoli R, Iaccarino G, Saccà L. Insulin-like Growth Factor-1 Protects from Vascular Stenosis and Accelerates Reendothelialization in a Rat Model of Carotid Artery Injury. *J Thromb Haemost*. 2009;7:1920-28
- 73 Oliviero U, Cittadini A, Bosso G, Cerbone M, Valvano A, Capalbo D, Apuzzi V, Calabrese F, Lettieri T, Salerno M. Effects of long-term L-thyroxine treatment on endothelial function

- and arterial distensibility in young adults with congenital hypothyroidism. *Eur J Endocrinol* 2010;162:289-94
- 74 Cittadini A, Bossone E, Marra AM, Arcopinto M, Bobbio E, Longobardi S, Cevara C, Di Michele S, Saccà L. Anabolic/catabolic imbalance in chronic heart failure. *Monaldi Arch Chest Dis* 2010; 74:53-56
- 75 Saccà F, Piro R, De Michele G, Acquaviva F, Antenora A, Carlonagno G, Cocozza S, Denaro A, Guacci A, Marsili A, Perrotta G, Puorro G, Cittadini A, Fillia A. Epoetin alfa increases frataxin production in Friedreich's ataxia without affecting hematocrit. *Mov Disord.* 2011;26:739-42
- 76 Bossone E, Limongelli G, Malizia G, Ferrara F, Vriz O, Cltro R, MArra AM, Arcopinto M, Bobbio E, Sirico D, Caliendo L, Ballotta A, D'Andrea A, Frigiola A, Issgard J, Saccà L, Cittadini A. The T.O.S.C.A. Project: research, education and care. *Monaldi Arch Chest Dis* 2011; 76:198-203
- 77 Cittadini A, Monti MG, Petrillo V, Esposito G, Imparato G, Luciani A, Urciuolo F, Bobbio E, Natale CF, Saccà L, Netti PA. Complementary therapeutic effects of dual delivery of insulin-like growth factor-1 and vascular endothelial growth factor by gelatin microspheres in experimental heart failure. *Eur J Heart Fail* 2011;13:1264-74
- 78 Marra AM, Arcopinto M, Bobbio E, Salzano A, Saccà L, Cittadini A. An unusual case of dilated cardiomyopathy associated with partial hypopituitarism. *Intern Emerg Med* 2012;7 Suppl 2:S85-7.
- 79 Cittadini A, Napoli R, Monti MG, Rea D, Longobardi S, Netti PA, Walser M, Samà M, Aimaretti G, Isgaard J, Saccà L. Metformin prevents the development of chronic heart failure in the SHHF rat model. *Diabetes* 2012;61:944-953.
- 80 Galzerano D, Di Michele S, Paolisso G, Tuccillo B, Lama D, Carbotta S, Cittadini A, Tedesco MA, Gaudio C. A multicentre, randomized study of telmisartan versus carvedilol for prevention of atrial fibrillation recurrence in hypertensive patients. *J Renin Angiotensin Aldosterone Syst* 2012;13:496-503
- 81 Cittadini A, Monti MG, Iaccarino G, Castiello MC, Baldi A, Bossone E, Longobardi S, Marra AM, Petrillo V, Saldamarco L, During MJ, Saccà L, Condorelli G. SOCS1 gene transfer accelerates the transition to heart failure through the inhibition of the GP130/JAK/STAT pathway. *Cardiovasc Res* 2012;96:381-90
- 82 Mosca S, Paolillo S, Colao A, Bossone E, Cittadini A, Lo Iudice F, Parente A, Conte S, Rengo G, Leosco D, Trimarco B, Perrone Filardi P. Cardiovascular involvement in patients affected by acromegaly: an appraisal. *Int J Cardiol* 2012;167:1712-8

- 83 D'Andrea A, Riegler L, Golia E, Cocchia R, Scarafio R, Salerno G, Pezzullo E, Nunziata L, Citro R, Cuomo S, Caso P, Di Salvo G, Cittadini A, Russo MG, Calabò R, Bossone E. Range of right heart measurements in top-level athletes: the training impact. *Int J Cardiol* 2013;164:48-57.
- 84 Arcopinto M, Bobbio E, Bossone E, Perrone-Filardi P, Napoli R, Saccà L, Cittadini A. The relevance of endocrine and metabolic disorders in heart failure: from pathophysiology to therapeutic approach. *Endocr Metab Immune Disord Drug Targets*. 2013;13:76-91
- 85 Pasquali D, Arcopinto M, Renzullo A, Rotondi M, Accardo G, Salzano A, Esposito D, Saldamarco L, Isidori AM, Marra AM, Ruvolo A, Napoli R, Bossone E, Lenzi A, Baliga RR, Saccà L, Cittadini A. Cardiovascular abnormalities in Klinefelter syndrome. *Int J Cardiol* 2013;168:754-9.
- 86 Bossone E, D'Andrea A, D'Alto M, Citro R, Argiento P, Ferrara F, Cittadini A, Rubenfire M, Naeije R. Echocardiography in pulmonary arterial hypertension: from diagnosis to prognosis. *J Am Soc Echocardiogr*. 2013;26:1-14
- 87 Pagan J, Seto T, Pagano M, Cittadini A. Role of the ubiquitin proteasome system in the heart. *Circ Res*. 2013;112:1046-58.
- 88 Bossone E, Savarese G, Ferrara F, Citro R, Mosca S, Musella F, Limongelli G, Manfredini R, Cittadini A, Perrone Filardi P. Takotsubo cardiomyopathy: overview. *Heart Fail Clin* 2013;9:249-66.
- 89 Rotondi M, Coperchini F, Renzullo A, Accardo G, Esposito D, Groppelli G, Magri F, Cittadini A, Isidori AM, Chiavato L, Pasquali D. High circulating levels of CCL2 in patients with Klinefelter's syndrome. *Clin Endocrinol (Oxf)*. 2013;80:465-467.
- 90 Arcopinto M, Russo T, Ruvolo A, Cittadini A, Saccà L, Napoli R. A giant pseudoaneurysm of the forearm as unusual complication of bacterial endocarditis. *Case Rep Vasc Med*. 2013;2013:549529. doi: 10.1155/2013/549529. Epub 2013 Sep 23.
- 91 Napoli R, Guardasole V, Zarra E, Sena AD, Saccà F, Ruvolo A, Grassi S, Giugliano S, Michele GD, Cittadini A, Carrieri PB, Saccà L. Migraine attack restores the response of vascular smooth muscle cells to nitric oxide but not to norepinephrine. *World J Cardiol*. 2013 Oct 26;5(10):375-81. doi: 10.4330/wjc.v5.i10.375
- 92 Cittadini A, Marra AM, Arcopinto M, Bobbio E, Salzano A, Sirico D, Napoli R, COlao A, Longobardi S, Baliga RR, Bossone E, Saccà L. Growth hormone replacement delays the progression of chronic heart failure combined with growth hormone deficiency: an extension of a randomized controlled single-blind study. *JACC Heart Fail* 2013;1:325-30.

- 93 Salzano A, Sirico D, Golia L, Faga V, Flora M, Bossone E, Cittadini A. The portopulmonary hypertension: an overview from diagnosis to treatment. *Mon Arch Chest Dis* 2013;80:66-8.
- 94 Arcopinto M, Bobbio E, Bossone E, Perrone-Filardi P, Napoli R, Sacca L, Cittadini A. The GH/IGF-1 axis in chronic heart failure. *Endocr Metab Immune Disord Drug Targets*. 2013 Mar;13(1):76-91.
- 95 Bossone E, Lyon A, Citro R, Athanasiadis A, Meimoun P, Parodi G, Cimarelli S, Omerovic E, Ferrara F, Limongelli G, Cittadini A, Salerno-Uriarte JA, Perrone Filardi P, Schneider B, Sechtem U, Erbel R. Takotsubo cardiomyopathy: an integrated multi-imaging approach. *Eur Heart J Cardiovasc Imaging*. 2014;15:366-77.
- 96 Arcopinto M, Cella CA, Wesolowski R, Salzano A, Bosone E, Cittadini A, Baliga RR. Primary prevention of cancer-related thrombosis: special focus on ambulatory patients. *Int J Cardiol* 2014;173:583-4.
- 97 Arcopinto M, Cittadini A. Hormonal Alterations in heart failure: anabolic impairment in chronic heart failure - diagnostic, prognostic and therapeutic issue. *Front Horm Res* 2014;43:57-69.
- 98 Arcopinto M, Isgaard J, Marra AM, Formisano P, Bossone E, Vriz O, Vigorito C, Saccà L, Douglas PS, Cittadini A. IGF-1 predicts survival in chronic heart failure. Insights from the T.O.S.CA. (trattamento ormonale nello Scompenso CArdiaco) registry. *Int J Cardiol* 2014; 176(3):1006-8
- 99 Isgaard J, Arcopinto M, Karason K, Cittadini A. GH and the cardiovascular system: an update on a topic at heart. *Endocrine* 2015;48(1):25-35
- 100 Pleister A, Kahwash R, Haas G, Ghio S, Cittadini A, Baliga RR. Echocardiography and heart heart failure: a glimpse of the right heart. *Echocardiography* 2015;32 Suppl 1:S95-107
- 101 Marra AM, Arcopinto M, Bossone E, Ehlken N, Cittadini A, Gruning E. Pulmonary arterial hypertension-related myopathy: an overview of current data and future perspectives. *Nutr Metab Cardiovascular Dis* 2015;25(2):131-9
- 102 Marra AM, Egenlauf B, Ehlken N, Fischer C, Eichstaedt C, Nagel C, Bossone E, Cittadini A, Halank M, Gall H, Olsson KM, Lange TJ, Grünig E. Change of right heart size and function by long-term therapy with riociguat in patients with pulmonary arterial

hypertension and chronic thromboembolic pulmonary hypertension. *Int J Cardiol.* 2015;195:19-26.

- 103 Cozzolino D, Grandone A, Cittadini A, Palmiero G, Esposito G, De Bellis A, Furlan R, Perrotta S, Perrone L, Torella D, Miraglia Del Giudice E. Subclinical myocardial dysfunction and cardiac autonomic dysregulation are closely associated in obese children and adolescents: the potential role of insulin resistance. *PLoS One.* 2015;10:e0123916.
- 104 Bossone E, Dellegrottaglie S, Patel S, Grunig E, D'Andrea A, Ferrara F, Gargiulo P, D'Alto M, Soricelli A, Cittadini A, Sanz J, Perrone-Filardi P, Rubenfire M. Multimodality imaging in pulmonary hypertension. *Can J Cardiol.* 2015;31:440-59.
- 105 Arcopinto M, Salzano A, Isgaard J, Cittadini A. Hormone replacement therapy in heart failure. *Curr Opin Cardiol.* 2015 May;30:277-84.
- 106 Grünig E, Biskupek J, D'Andrea A, Ehlken N, Egenlauf B, Weidenhammer J, Marra AM, Cittadini A, Fischer C, Bossone E. Reference ranges for and determinants of right ventricular area in healthy adults by two-dimensional echocardiography. *Respiration.* 2015;89:284-93.
- 107 Arcopinto M, Salzano A, Bossone E, Ferrara F, Bobbio E, Sirico D, Vriz O, De Vincentiis C, Matarazzo M, Saldamarco L, Saccà F, Napoli R, Iacoviello M, Triggiani V, Isidori AM, Vigorito C, Isgaard J, Cittadini A. Multiple hormone deficiencies in chronic heart failure. *Int J Cardiol.* 2015 Apr 1;184:421-3.
- 108 Marra AM, Improda N, Capalbo D, Salzano A, Arcopinto M, De Paulis A, Alessio M, Lenzi A, Isidori AM, Cittadini A, Salerno M. Cardiovascular abnormalities and impaired exercise performance in adolescents with congenital adrenal hyperplasia. *J Clin Endocrinol Metab.* 2015;100:644-52.
- 109 Di Minno MN, Esposito D, Di Minno A, Accardo G, Lupoli G, Cittadini A, Giugliano D, Pasquali D. Increased platelet reactivity in Klinefelter men: something new to consider. *Andrology.* 2015;3:876-81.
- 110 Vriz O, Pellegrinet M, Zito C, di Bello V, Bettio M, Carerj S, Cittadini A, Bossone E, Antonini-Canterin F. One-point carotid wave intensity predicts cardiac mortality in patients with congestive heart failure and reduced ejection fraction. *Int J Cardiovasc Imaging.* 2015;31:1369-78.
- 111 Salzano A, Arcopinto M, Marra AM, Bobbio E, Esposito D, Accardo G, Giallauria F, Bossone E, Vigorito C, Lenzi A, Pasquali D, Isidori AM, Cittadini A. Klinefelter syndrome, cardiovascular system and thromboembolic disease. Review of literature and clinical perspectives. *Eur J Endocrinol.* 2016;175(1):R27-40

- 112 Saccà F, Puorro G, Marsili A, Antenora A, Pane C, Casali C, Marcotulli C, Defazio G, Liuzzi D, Tatillo C, Cambriglia DM, Schiano di Cola G, Giuliani L, Guardasole V, Salzano A, Ruvolo A, De Rosa A, Cittadini A, De Michele G, Filli A. Long-term effect of epoetin alfa on clinical and biochemical markers in friedreich ataxia. *Mov Disord.* 2016;31(5):734-41
- 113 Marra AM, Arcopinto M, Salzano A, Bobbio E, Milano S, Misiano G, Ferrara F, Vriz O, Napoli R, Triggiani V, Perrone-Filardi P, Saccà F, Giallauria F, Isidori AM, Vigorito C, Bossone E, Cittadini A. Detectable interleukin-9 plasma levels are associated with impaired cardiopulmonary functional capacity and all-cause mortality in patients with chronic heart failure. *Int J Cardiol.* 2016;209:114-7.
- 114 Guerriero F, Orlando V, Tari DU, Di Giorgio A, Cittadini A, Trifirò G, Mendifitto E. How healthy is community-dwelling elderly population? Results from Southern Italy. *Transl Med UniSa.* 2016 Jan 31;13:59-64
- 115 Cerbone M, Capalbo D, Wasniewska M, Alfano S, Mattace Raso G, Oliviero U, Cittadini A, De Luca F, Salerno M. Effects of L-thyroxine treatment on early markers of atherosclerotic disease in children with subclinical hypothyroidism. *Eur J Endocrinol.* 2016;175(1):11-9
- 116 Rea D, Coppola C, Barbieri A, Monti MG, Misso G, Palma G, Bimonte S, Zarone MR, Luciano A, Liccardo D, Maiolino P, Cittadini A, Ciliberto G, Maurea N, Arra C. Strain Analysis in the Assessment of a Mouse Model of Cardiotoxicity due to Chemotherapy: Sample for Preclinical Research. *In Vivo.* 2016 05-06;30(3):279-290.
- 117 Saccà F, Puorro G, Marsili A, Pane C, Russo CV, Lanzillo R, de Rosa A, Cittadini A, De Angelis G, Brescia Morra V. Mobitz type I and II atrioventricular blocks during fingolimod therapy. *Neurol Sci.* 2016 2016 Sep;37(9):1557-9.
- 118 Suzuki T, Lyon A, Saggar R, Heaney LM, Aizawa K, Cittadini A, Mauro C, Citro R, Limongelli G, Ferrara F, Vriz O, Morley-Smith A, Calabro P, Bossone E. Biomarkers of acute cardiovascular and pulmonary diseases. *Eur Heart J Acute Cardiovasc Care.* 2016 2016 Sep;5(5):416-33. pii: 2048872616652309.
- 119 Giallauria F, Cittadini A, Smart NA, Vigorito C. Resistance training and sarcopenia. *Monaldi Arch Chest Dis.* 2016 Jun 22;84(1-2):738.
- 120 Ferrara F, Rudski LG, Vriz O, Gargani L, Afilalo J, D'Andrea A, D'Alto M, Marra AM, Acri E, Stanzola AA, Ghio S, Cittadini A, Naeije R, Bossone E. Physiologic correlates of tricuspid annular plane systolic excursion in 1168 healthy subjects. *Int J Cardiol.* 2016 Aug 18;223:736-743.
- 121 Salzano A, Marra AM, Ferrara F, Arcopinto M, Bobbio E, Valente P, Polizzi R, De Vincentiis C, Matarazzo M, Saldamarco L, Saccà F, Napoli R, Monti MG, D'Assante R, Isidori AM, Isgaard J, Ferrara N, Filardi PP, Perticone F, Vigorito C, Bossone E, Cittadini A, on behalf of T.O.S.C.A. investigators. Multiple hormone deficiency

- syndrome in heart failure with preserved ejection fraction. *Int J Cardiol.* 2016 Sep 26;225:1-3.
- 122 Marra AM, Benjamin N, Eichstaedt C, Salzano A, Arcopinto M, Gargani L, D'Alto M, Argiento P, Falsetti L, Di Giosia P, Isidori AM, Ferrara F, Bossone E, Cittadini A, Grünig E. Gender-related differences in pulmonary arterial hypertension targeted drugs administration. *Pharmacol Res.* 2016 Oct 19;114:103-109.
- 123 Marra AM, D'Alto M, Stanziola AA, Cittadini A, Bossone E. Clinical trials in pulmonary arterial hypertension: a glimpse of history. *G Ital Cardiol (Rome).* 2016 Dec;17(12):973-983.
- 124 Marra AM, Benjamin N, Ferrara F, Vriz O, D'Alto M, D'Andrea A, Stanziola AA, Gargani L, Cittadini A, Grünig E, Bossone E. Reference ranges and determinants of right ventricle outflow tract acceleration time in healthy adults by two-dimensional echocardiography. *Int J Cardiovasc Imaging.* 2017 Feb;33(2):219-226
- 125 Isgaard J, Cittadini A. Growth hormone and the heart in growth hormone deficiency-what have we learned so far? *Endocrine.* 2017 Feb;55(2):331-332.
- 126 Arcopinto M, Salzano A, Giallauria F, Bossone E, Isgaard J, Marra AM, Bobbio E, Vriz O, Åberg DN, Masarone D, De Paulis A, Saldamarco L, Vigorito C, Formisano P, Niola M, Perticone F, Bonaduce D, Saccà L, Colao A, Cittadini A; T.O.S.CA. (Trattamento Ormonale Scompenso CArdiaco) Investigators. Growth Hormone Deficiency Is Associated with Worse Cardiac Function, Physical Performance, and Outcome in Chronic Heart Failure: Insights from the T.O.S.CA. GHD Study. *PLoS One.* 2017 Jan 17;12(1):e0170058.
- 127 D'Andrea A, Vriz O, Carbone A, Ferrara F, Di Maio M, Cocchia R, Tagliamonte G, Acri E, Driussi C, Pezzullo E, Citro R, Cittadini A, Calabò R, Giovanna Russo M, Bossone E. The impact of age and gender on right ventricular diastolic function among healthy adults. *J Cardiol.* 2017 Mar 18. pii: S0914-5087(16)30347.
- 128 Marsili A, Puorro G, Pane C, de Rosa A, Defazio G, Casali C, Cittadini A, de Michele G, Florio BE, Filla A, Saccà F. Stability of erythropoietin repackaging in polypropylene syringes for clinical use. *Saudi Pharm J.* 2017 Feb;25(2):290-293
- 129 Cannavo A, Liccardo D, Lymeropoulos A, Santangelo M, Femminella GD, Leosco D, Cittadini A, Ferrara N, Paolocci N, Koch WJ, Rengo G. GRK2 Regulates α2-Adrenergic Receptor-Dependent Catecholamine Release in Human Adrenal Chromaffin Cells. *J Am Coll Cardiol.* 2017 Mar 21;69(11):1515-1517.
- 130 Bertolotti M, Franchi C, Rocchi MB, Miceli A, Libbra MV, Nobili A, Lancellotti G, Carulli L, Mussi C; REPOSI Investigators. Prevalence and Determinants of the Use of Lipid-Lowering Agents in a Population of Older Hospitalized Patients: the Findings from the REPOSI (REgistro POliterapie Società Italiana di Medicina Interna) Study. *Drugs Aging.* 2017 Apr;34(4):311-319.

- 131 Ferrara F, Gargani L, Ostenfeld E, D'Alto M, Kasprzak J, Voilliot D, Selton-Suty C, Vriz O, Marra AM, Argiento P, Stanziola AA, Cittadini A, D'Andrea A, Bossone E. Imaging the right heart pulmonary circulation unit: Insights from advanced ultrasound techniques. *Echocardiography*. 2017 Aug;34(8):1216-1231.
- 132 Schiavo A, Stagnaro FM, Salzano A, Marra AM, Bobbio E, Valente P, Grassi S, Miniero M, Arcopinto M, Matarazzo M, Napoli R, Cittadini A. Pregabalin-induced first degree atrioventricular block in a young patient treated for pain from extrapulmonary tuberculosis. *Monaldi Arch Chest Dis*. 2017 Sep 28;87(3):838.
- 133 D'Andrea A, Vriz O, Carbone A, Ferrara F, Di Maio M, Cocchia R, Tagliamonte G, Acri E, Driussi C, Pezzullo E, Citro R, Cittadini A, Calabò R, Giovanna Russo M, Bossone E. The impact of age and gender on right ventricular diastolic function among healthy adults. *J Cardiol*. 2017 Oct;70(4):387-395. doi: 10.1016/j.jcc.2016.12.005. Epub 2017 Mar 18.
- 134 Stewart D, Gibson-Smith K, MacLure K, Mair A, Alonso A, Codina C, Cittadini A, Fernandez-Llimos F, Fleming G, Gennimata D, Gillespie U, Harrison C, Junius-Walker U, Kardas P, Kempen T, Kinnear M, Lewek P, Malva J, McIntosh J, Scullin C, Wiese B. A modified Delphi study to determine the level of consensus across the European Union on the structures, processes and desired outcomes of the management of polypharmacy in older people. *PLoS One*. 2017 Nov 20;12(11): e0188348.
- 135 Marra AM, Bobbio E, D'Assante R, Salzano A, Arcopinto M, Bossone E, Cittadini A. Growth Hormone as Biomarker in Heart Failure. *Heart Fail Clin*. 2018 Jan;14(1):65-74.
- 136 Salzano A, Proietti M, D'Assante R, Saldamarco L, Cittadini A, Paladino F. Bleeding related to non-vitamin K antagonist oral anticoagulants in emergency department: A "Real-world" snapshot from Southern Italy. On behalf of MIRC-NOAC study group. *Eur J Intern Med*. 2018 Feb;48:e21-e24.
- 137 Paciullo F, Proietti M, Bianconi V, Nobili A, Pirro M, Mannucci PM, Lip GH, Lupattelli G; REPOSI Investigators. Choice and Outcomes of Rate Control versus Rhythm Control in Elderly Patients with Atrial Fibrillation: A Report from the REPOSI Study. *Drugs Aging*. 2018 Apr;35(4):365-373.
- 138 Salzano A, D'Assante R, Heaney LM, Monaco F, Rengo G, Valente P, Pasquali D, Bossone E, Gianfrilli D, Lenzi A, Cittadini A, Marra AM, Napoli R. Klinefelter syndrome, insulin resistance, metabolic syndrome, and diabetes: review of literature and clinical perspectives. *Endocrine*. 2018 Aug;61(2):194-203.
- 139 Ferrara F, Gargani L, Ruohonen S, Vriz O, Scalese M, Russo V, Marra AM, Stanziola AA, Cittadini A, D'Andrea A, Naeije R, Bossone E. Reference values and correlates of right atrial volume in healthy adults by two-dimensional echocardiography. *Echocardiography*. 2018 May 14.
- 140 Marra AM, Bossone E, Salzano A, D'Assante R, Monaco F, Ferrara F, Arcopinto M, Vriz O, Suzuki T, Cittadini A. Biomarkers in Pulmonary Hypertension. *Heart Fail Clin*. 2018 Jul;14(3):393-402.

- 141 Ferrara F, Gargani L, Armstrong WF, Agoston G, Cittadini A, Citro R, D'Alto M, D'Andrea A, Dellegrottaglie S, De Luca N, Di Salvo G, et al. The Right Heart International Network (RIGHT-NET): Rationale, Objectives, Methodology, and Clinical Implications. *Heart Fail Clin.* 2018 Jul;14(3):443-465.
- 142 Marra AM, Naeije R, Ferrara F, Vriz O, Stanzola AA, D'Alto M, D'Andrea A, Carannante L, Eichstaedt CA, Cittadini A, Benjamin N, Grünig E, Bossone E. Reference Ranges and Determinants of Tricuspid Regurgitation Velocity in Healthy Adults Assessed by Two-Dimensional Doppler-Echocardiography. *Respiration.* 2018;96(5):425-433. doi: 10.1159/000490191. Epub 2018 Jul 18.
- 143 Bencivenga L, Komici K, Corbi G, Cittadini A, Ferrara N, Rengo G. The Management of Combined Antithrombotic Therapy in Patients With Atrial Fibrillation Undergoing Percutaneous Coronary Intervention: A Particularly Complex Challenge, Especially in the Elderly. *Front Physiol.* 2018 Jul 9;9:876. doi: 10.3389/fphys.2018.00876. eCollection 2018. Review.
- 144 Salzano A, Cittadini A, Bossone E, Suzuki T, Heaney LM. Multiple hormone deficiency syndrome: a novel topic in chronic heart failure. *Future Sci OA.* 2018 Apr 16;4(6):FSO311.
- 145 Mannucci PM, Nobili A, Pasina L; REPOSI Collaborators (REPOSI is the acronym of REgistro POliterapie SIMI, Società Italiana di Medicina Interna). Polypharmacy in older people: lessons from 10 years of experience with the REPOSI register. *Intern Emerg Med.* 2018 Dec;13(8):1191-1200.
- 146 Bossone E, Arcopinto M, Iacoviello M, Triggiani V, Cacciatore F, Maiello C, Limongelli G, Masarone D, Perticone F, Sciacqua A, Perrone-Filardi P, Mancini A, Volterrani M, Vriz O, Castello R, Passantino A, Campo M, Modesti PA, De Giorgi A, Monte I, Puzzo A, Ballotta A, Caliendo L, D'Assante R, Marra AM, Salzano A, Suzuki T, Cittadini A; TOSCA Investigators. Multiple hormonal and metabolic deficiency syndrome in chronic heart failure: rationale, design, and demographic characteristics of the T.O.S.CA. Registry *Intern Emerg Med.* 2018 Aug;13(5):661-671. doi: 10.1007/s11739-018-1844-8. Epub 2018 Apr 4.
- 147 Cittadini A, D'Assante R. Growth hormone in heart failure revisited: An old story retold. *Monaldi Arch Chest Dis.* 2018 Sep 5;88(3):989. doi: 10.4081/monaldi.2018.989.
- 148 Salzano A, Marra AM, D'Assante R, Arcopinto M, Suzuki T, Bossone E, Cittadini A. Growth Hormone Therapy in Heart Failure. *Heart Fail Clin.* 2018 Oct;14(4):501-515.
- 149 Salzano A, Marra AM, Bossone E, Suzuki T, Cittadini A. Letter to the Editor: "Cardiometabolic biomarkers and their temporal patterns predict poor outcome in chronic heart failure (Bio-SHiFT study)". *J Clin Endocrinol Metab.* 2018 Oct 18. doi: 10.1210/jc.2018-02043.
- 150 Marra AM, D'Assante R, Arcopinto M, Cittadini A. Postoperative myocardial injury: Trying to square the circle. *Eur J Prev Cardiol.* 2018 Nov 5:2047487318811959.

- 151 Buonomo AR, Arcopinto M, Scotto R, Zappulo E, Pinchera B, Sanguedolce S, Perruolo G, Formisano P, Cittadini A, Vespasiani Gentilucc U, Borgia G, Gentile I. The serum-ascites vitamin D gradient (SADG): A novel index in spontaneous bacterial peritonitis. *Clin Res Hepatol Gastroenterol.* 2018 Oct 24. pii: S2210-7401(18)30214-6.
- 152 Marra AM, Halank M, Benjamin N, Bossone E, Cittadini A, Eichstaedt CA, Egenlauf B, Harutyunova S, Fischer C, Gall H, Ghofrani HA, Hoeper MM, Lange TJ, Olsson KM, Klose H, Grünig E. Right ventricular size and function under riociguat in pulmonary arterial hypertension and chronic thromboembolic pulmonary hypertension (the RIVER study). *Respir Res.* 2018 Dec 19;19(1):258.
- 153 Grünig E, Eichstaedt C, Barberà JA, Benjamin N, Blanco I, Bossone E, Cittadini A, Coghlan G, Corris P, D'Alto M, D'Andrea A, Delcroix M, de Man F, Gaine S, Ghio S, Gibbs S, Gumbiene L, Howard LS, Johnson M, Jurevičienė E, Kiely DG, Kovacs G, MacKenzie A, Marra AM, McCaffrey N, McCaughey P, Naeije R, Olschewski H, Pepke-Zaba J, Reis A, Santos M, Saxon S, Tulloh RM, Ulrich S, Noordegraaf AV, Peacock AJ. ERS statement on exercise training and rehabilitation in patients with severe chronic pulmonary hypertension. *Eur Respir J.* 2019 Feb 28;53(2).
- 154 Nagel C, Marra AM, Benjamin N, Blank N, Cittadini A, Coghlan G, Distler O, Denton CP, Egenlauf B, Fiehn C, Fischer C, Harutyunova S, Hoeper MM, Lorenz HM, Xanthouli P, Bossone E, Grünig E. Reduced Right Ventricular Output Reserve in Patients With Systemic Sclerosis and Mildly Elevated Pulmonary Artery Pressure. *Arthritis Rheumatol.* 2019 May;71(5):805-816
- 155 Komici K, Vitale DF, Mancini A, Bencivenga L, Conte M, Provenzano S, Grieco FV, Visaggi L, Ronga I, Cittadini A, Corbi G, Trimarco B, Morisco C, Leosco D, Ferrara N, Rengo G. Impact of Malnutrition on Long-Term Mortality in Elderly Patients with Acute Myocardial Infarction. *Nutrients.* 2019 Jan 22;11(2).
- 156 Accardo G, Amoresano Paglionico V, Di Fraia R, Cittadini A, Salzano A, Esposito D, De Bellis A, Pasquali D. Management of cardiovascular complications in Klinefelter syndrome patients. *Expert Rev Endocrinol Metab.* 2019 Mar;14(2):145-152.
- 157 Salzano A, Marra AM, D'Assante R, Arcopinto M, Bossone E, Suzuki T, Cittadini A. Biomarkers and Imaging: Complementary or Subtractive? *Heart Fail Clin.* 2019 Apr;15(2):321-331.
- 158 Proietti M, Agosti P, Lonati C, Corrao S, Perticone F, Mannucci PM, Nobili A, Harari S; REPOSI Investigators. Hospital Care of Older Patients With COPD: Adherence to International Guidelines for Use of Inhaled Bronchodilators and Corticosteroids. *J Am Med Dir Assoc.* 2019 Mar 6.
- 159 Liccardo D, Cannavo A, Spagnuolo G, Ferrara N, Cittadini A, Rengo C, Rengo G. Periodontal Disease: A Risk Factor for Diabetes and Cardiovascular Disease. *Int J Mol Sci.* 2019 Mar 20;20(6).

- 160 Arcopinto M, Schiavo A, Salzano A, Bossone E, D'Assante R, Marsico F, Demelo-Rodriguez P, Baliga RR, Cittadini A, Marra AM. Metabolic Syndrome in Heart Failure: Friend or Foe? *Heart Fail Clin.* 2019 Jul;15(3):349-358.
- 161 Salzano A, D'Assante R, Lander M, Arcopinto M, Bossone E, Suzuki T, Cittadini A. Hormonal Replacement Therapy in Heart Failure: Focus on Growth Hormone and Testosterone. *Heart Fail Clin.* 2019 Jul;15(3):377-391.
- 162 Marra AM, Proietti M, Bossone E, Salzano A, Cittadini A. Risk stratification in hospitalized heart failure patients: do the RIGHT thing! *Intern Emerg Med.* 2019 Jun 18. doi: 10.1007/s11739-019-02121-4. [Epub ahead of print]
- 163 D'Assante R, Napoli R, Salzano A, Pozza C, Marra AM, Arcopinto M, Perruolo G, Milano S, Formisano P, Saldamarco L, Cirillo P, Cittadini A. Human heart shifts from IGF-1 production to utilization with chronic heart failure. *Endocrine.* 2019 Jul 2. doi: 10.1007/s12020-019-01993-y. [Epub ahead of print].
- 164 Carlotta F, Raffaella R, Ilaria A, Alessandro N, Mannuccio MP; REPOSI Collaborators. Prevalence of use and appropriateness of antidepressants prescription in acutely hospitalized elderly patients. *Eur J Intern Med.* 2019 Oct;68:e7-e11. doi: 10.1016/j.ejim.2019.07.025. Epub 2019 Aug 10.
- 165 Rossio R, Ardoino I, Franchi C, Nobili A, Mannuccio Mannucci P, Peyvandi F; REPOSI Investigators. Patterns of infections in older patients acutely admitted to medical wards: data from the REPOSI register. *Intern Emerg Med.* 2019 Nov;14(8):1347-1352.
- 166 Cannavo A, Marzano F, Elia A, Liccardo D, Bencivenga L, Gambino G, Perna C, Rapacciuolo A, Cittadini A, Ferrara N, Paolocci N, Koch WJ, Rengo G. Aldosterone Jeopardizes Myocardial Insulin and β -Adrenergic Receptor Signaling via G Protein-Coupled Receptor Kinase 2. *Front Pharmacol.* 2019 Aug 9;10:888.
- 167 Pan Z, Marra AM, Benjamin N, Eichstaedt CA, Blank N, Bossone E, Cittadini A, Coghlan G, Denton CP, Distler O, Egenlauf B, Fischer C, Harutyunova S, Xanthouli P, Lorenz HM, Grünig E. Early treatment with ambrisentan of mildly elevated mean pulmonary arterial pressure associated with systemic sclerosis: a randomized, controlled, double-blind, parallel group study (EDITA study). *Arthritis Res Ther.* 2019 Oct 26;21(1):217.
- 168 Salzano A, Marra AM, Arcopinto M, D'Assante R, Triggiani V, Coscioni E, Pasquali D, Rengo G, Suzuki T, Bossone E, Cittadini A. Combined Effects of Growth Hormone and Testosterone Replacement Treatment in Heart Failure. *ESC Heart Fail.* 2019 Dec;6(6):1216-1221.
- 169 Napoli R, D'Assante R, Miniero M, Salzano A, Cittadini A. Anabolic Deficiencies in Heart Failure: Ready for Prime Time? *Heart Fail Clin.* 2020 Jan;16(1):11-21.
- 170 Marra AM, Benjamin N, Cittadini A, Bossone E, Grünig E. When Pulmonary Hypertension Complicates Heart Failure. *Heart Fail Clin.* 2020 Jan;16(1):53-60.

- 171 Marra AM, Benjamin N, Cittadini A, Bossone E, Grünig E. When Pulmonary Hypertension Complicates Heart Failure. *Heart Fail Clin.* 2020 Jan;16(1):53-60. doi: 10.1016/j.hfc.2019.08.004.
- 172 Valvano A, Bosso G, Apuzzi V, Mercurio V, Di Simone V, Panicara V, De Luca M, Tomas C, Cammarota F, Cittadini A, Oliviero U. Long-term follow-up in high risk hypertensive patients with carotid dolicoarteriopathies. *Int Angiol.* 2020 Feb;39(1):24-28. doi: 10.23736/S0392-9590.19.04229-9. Epub 2019 Nov 25.
- 173 Komici K, Bencivenga L, Paolillo S, Gargiulo P, Formisano R, Assante R, Nappi C, Marsico F, D'Antonio A, De Simini G, Cittadini A, Vitale DF, Cuocolo A, Filardi PP, Ferrara N, Rengo G. Impact of body mass index on cardiac adrenergic derangement in heart failure patients: a ¹²³I-mIBG imaging study. *Eur J Nucl Med Mol Imaging.* 2019 Dec 24.
- 174 Cittadini A, Bossone E, Ventura HO. Emerging comorbidities in Heart Failure. *Heart Fail Clin.* 2020 Jan;16(1):xiii-xv.
- 175 Al Sergani R, Alamro B, Al Admawi M, Elmahi I, Iannuzzo G, Cittadini A, Galzerano D, AlKattan KM. Three dimensional echocardiographic imaging of multiple recurrent myxomas. *Monaldi Arch Chest Dis.* 2020 Jan 21;90(1).
- 176 Bosso G, Valvano A, Guarnaccia F, Fimiani B, Carbone V, Cittadini A, Zito GB, Oliviero U; ALERT-HF Investigators. Adherence to guidelines in the management of patients with chronic heart failure follow-up: role of periodic echocardiographic examinations. *J Cardiovasc Med (Hagerstown)*. 2020 Mar;21(3):216-222.
- 177 Salzano A, Israr MZ, Garcia DF, Middleton L, D'Assante R, Marra AM, Arcopinto M, Yazaki Y, Bernieh D, Cassambai S, Page K, Rengo G, Bossone E, Cittadini A, Shaw JA, Suzuki T. Circulating cell-free DNA levels are associated with adverse outcomes in heart failure: testing liquid biopsy in heart failure. *Eur J Prev Cardiol.* 2020 Mar 25:2047487320912375.
- 178 Mancini A, Fuvuzzi AMR, Bruno C, Nicolazzi MA, Vergani E, Ciferri N, Silvestrini A, Meucci E, Nicolotti N, D'Assante R, Cittadini A. Anabolic Hormone Deficiencies in Heart Failure with Reduced or Preserved Ejection Fraction and Correlation with Plasma Total Antioxidant Capacity. *Int J Endocrinol.* 2020 Jan 3;2020:5798146.
- 179 Salzano A, D'Assante R, Stagnaro FM, Valente V, Crisci G, Giardino F, Arcopinto M, Bossone E, Marra AM, Cittadini A. Heart failure management during the COVID-19 outbreak in Italy: a telemedicine experience from a heart failure university tertiary referral centre. *Eur J Heart Fail.* 2020 May 28:10.1002/ejhf.1911.
- 180 Bencivenga L, Komici K, Nocella P, Grieco FV, Spezzano A, Puzone B, Cannavo A, Cittadini A, Corbi G, Ferrara N, Rengo G. Atrial fibrillation in the elderly: a risk factor beyond stroke. *Ageing Res Rev.* 2020 Aug;61:101092.
- 181 Demelo-Rodriguez P, Galeano-Valle F, Salzano A, Biskup E, Vriz O, Cittadini A, Falsetti L, Ranieri B, Russo V, Stanziola AA, Bossone E, Marra AM. Pulmonary Embolism: A Practical Guide for the Busy Clinician. *Heart Fail Clin.* 2020 Jul;16(3):317-330.

- 182 Bosso G, Valvano A, Apuzzi V, Mercurio V, Di Simone V, Cittadini A, Napoli R, Oliviero U. Peripheral Vascular Function in Dilated Cardiomyopathy of Different Etiology. *Angiology*. 2020 Jun 17:3319720932803.
- 183 Salzano A, Suzuki T, Squire IB, Cittadini A. Are heart failure observational studies still useful? 'No need to argue'. *Eur J Prev Cardiol*. 2020 Jun 24:2047487320932258.
- 184 Argano C, Scichilone N, Natoli G, Nobili A, Corazza GR, Mannucci PM, Perticone F, Corrao S; REPOSI Investigators Pattern of comorbidities and 1-year mortality in elderly patients with COPD hospitalized in internal medicine wards: data from the RePoSI Registry. *Intern Emerg Med*. 2020 Jul 27:1-12. doi: 10.1007/s11739-020-02412-1. Online ahead of print.
- 185 Cicco S, Vacca A, Cittadini A, Marra AM Long-Term Follow-Up May be Useful in Coronavirus Disease 2019 Survivors to Prevent Chronic Complications. *Infect Chemother*. 2020 Jul 21. Online ahead of print.
- 186 Napoli R, Ruvolo A, Triggianese P, Prevete N, Schiattarella GG, Nigro C, Miele C, Maglulo F, Grassi S, Pecoraro A, Cittadini A, Esposito G, de Paulis A, Spadaro G. Immunoglobulins G modulate endothelial function and affect insulin sensitivity in humans. *Nutr Metab Cardiovasc Dis*. 2020 Jul 10:S0939-4753(20)30273-8.
- 187 De Luca M, Iacono O, Lucci R, Guardasole V, Bosso G, Cittadini A, Oliviero U Atorvastatin-linked rhabdomyolysis caused by the simultaneous intake of amoxicillin clavulanic acid. *J Basic Clin Physiol Pharmacol*. 2020 Sep 8:/j/jbcpp.ahead-of-print/jbcpp-2020-0108/jbcpp-2020-0108.xml. doi: 10.1515/jbcpp-2020-0108. Online ahead of print.
- 188 De Vincentis A, Vespaiani-Gentilucci U, Costanzo L, Novella A, Cortesi L, Nobili A, Mannucci PM, Incalzi RA; REPOSI Investigators. The multifaceted spectrum of liver cirrhosis in older hospitalised patients: analysis of the REPOSI registry. *Age Ageing*. 2020 Sep 12:afaa150. doi: 10.1093/ageing/afaa150. Online ahead of print.
- 189 Karason K, Bobbio E, Polte C, Bollano E, Peterson M, Cittadini A, Caidahl K, Hjalmarson Å, Bengtsson BÅ, Ekelund J, Swedberg K, Isgaard J. Effect of growth hormone treatment on circulating levels of NT-proBNP in patients with ischemic heart failure. *Growth Horm IGF Res*. 2020 Oct 11;55:101359. doi: 10.1016/j.ghir.2020.101359. Online ahead of print.
- 190 Ardoino I, Franchi C, Nobili A, Mannucci PM, Corli O; REPOSI Investigators Pain and Frailty in Hospitalized Older Adults. *Pain Ther*. 2020 Dec;9(2):727-740. doi: 10.1007/s40122-020-00202-3. Epub 2020 Oct 15.
- 191 De Luca M, Bosso G, Valvano A, Guardasole V, Botta A, Carbone V, Carella G, Del Buono A, Di Giovanni G, Fimiani B, Guarnaccia F, Lapice E, Martedì E, Memoli G, Oliva D, Romano G, Cittadini A, Zito GB, Oliviero U. Management of patients with chronic heart failure and type 2 diabetes mellitus: the SCODIAC-II study. *Intern Emerg Med*. 2020 Oct 17. doi: 10.1007/s11739-020-02528-4. Online ahead of print.

- 192 Al Sergani R, Michele SD, Kinsara AJ, Galzerano D, Vriz O, El mahi I, Cittadini A, Colonna P, AlKattan KM Contrast transesophageal three dimensional echocardiographic imaging for patent foramen ovale: a needful role? *Monaldi Arch Chest Dis.* 2020 Oct 19;90(4).
- 193 Grünig E, MacKenzie A, Peacock AJ, Eichstaedt CA, Benjamin N, Nechwatal R, Ulrich S, Saxon S, Bussotti M, Sommaruga M, Ghio S, Gumbiene L, Palevičiūtė E, Jurevičienė E, Cittadini A, Stanziola AA, Marra AM, Kovacs G, Olschewski H, Barberà JA, Blanco I, Spruit MA, Franssen FME, Vonk Noordegraaf A, Reis A, Santos M, Viamonte SG, Demeyer H, Delcroix M, Bossone E, Johnson M. Standardized exercise training is feasible, safe, and effective in pulmonary arterial and chronic thromboembolic pulmonary hypertension: results from a large European multicentre randomized controlled trial. *Eur Heart J.* 2020 Nov 24:ehaa696. doi: 10.1093/euroheartj/ehaa696.
- 194 D'Alto M, Marra AM, Severino S, Salzano A, Romeo E, De Rosa R, Stagnaro FM, Pagnano G, Verde R, Murino P, Farro A, Ciccarelli G, Vargas M, Fiorentino G, Servillo G, Gentile I, Corcione A, Cittadini A, Naeije R, Golino P. Right ventricular-arterial uncoupling independently predicts survival in COVID-19 ARDS. *Crit Care.* 2020 Nov 30;24(1):670. doi: 10.1186/s13054-020-03385-5.
- 195 Pepe J, Agosti P, Cipriani C, Tettamanti M, Nobili A, Colangelo L, Santori R, Cilli M, Minisola S; Reposi investigators. Underdiagnosis and undertreatment of osteoporotic patients admitted in internal medicine wards in Italy between 2010 and 2016 (the REPOSI Register). *Endocrine.* 2021 Feb;71(2):484-493. doi: 10.1007/s12020-020-02553-5.
- 196 Bellis A, Mauro C, Barbato E, Ceriello A, Cittadini A, Morisco C. Stress-Induced Hyperglycaemia in Non-Diabetic Patients with Acute Coronary Syndrome: From Molecular Mechanisms to New Therapeutic Perspectives. *Int J Mol Sci.* 2021 Jan 14;22(2):775.
- 197 Ferrara F, Gargani L, Contaldi C, Agoston G, Argiento P, Armstrong WF, Bandera F, Cademartiri F, Citro R, Cittadini A, Cocchia R, D'Alto M, D'Andrea A, Douschan P, Ghio S, Grünig E, Guazzi M, Guida S, Kasprzak JD, Koliás TJ, Limongelli G, Marra AM, Mazzola M, Mauro C, Moreo A, Pieri F, Pratali L, Pugliese NR, Raciti M, Ranieri B, Rudski L, Saggar R, Salzano A, Serra W, Stanziola AA, Vannan M, Voilliot D, Vriz O, Wierzbowska-Drabik K, Naeije R, Bossone E; RIGHT Heart International NETwork (RIGHT-NET) Investigators. A multicentric quality-control study of exercise Doppler echocardiography of the right heart and the pulmonary circulation. The RIGHT Heart International NETwork (RIGHT-NET). *Cardiovasc Ultrasound.* 2021 Jan 20;19(1):9.
- 198 Bencivenga L, Komici K, Femminella GD, Paolillo S, Gargiulo P, Formisano R, Assante R, Nappi C, Puzone B, Sepe I, Cittadini A, Vitale DF, Ferrara N, Cuocolo A, Filardi PP, Rengo G. Impact of the number of comorbidities on cardiac sympathetic derangement in patients with reduced ejection fraction heart failure. *Eur J Intern Med.* 2021 Jan 20:S0953-6205(21)00010-8.
- 199 D'Assante R, Arcopinto M, Rengo G, Salzano A, Walser M, Gambino G, Monti MG, Bencivenga L, Marra AM, Åberg DN, De Vincentiis C, Ballotta A, Bossone E, Isgaard J, Cittadini A. Myocardial expression of somatotropic axis, adrenergic signalling, and calcium handling genes in heart failure with preserved ejection fraction and heart failure with reduced ejection fraction. *ESC Heart Fail.* 2021 Jan 29. doi: 10.1002/ehf2.13067.

- 200 Salzano A, Israr MZ, Garcia DF, Middleton L, D'Assante R, Marra AM, Arcopinto M, Yazaki Y, Bernieh D, Cassambai S, Page K, Rengo G, Bossone E, Cittadini A, Shaw JA, Suzuki T. Circulating cell-free DNA levels are associated with adverse outcomes in heart failure: testing liquid biopsy in heart failure. *Eur J Prev Cardiol.* 2020 Mar 26;2047487320912375.
- 201 Pane C, Salzano A, Trinchillo A, Del Prete C, Casali C, Marcotulli C, Defazio G, Guardasole V, Vastarella R, Giallauria F, Puorro G, Marsili A, De Michele G, Fillà A, Cittadini A, Saccà F. Safety and feasibility of upper limb cardiopulmonary exercise test in Friedreich ataxia. *Eur J Prev Cardiol.* 2020 Dec 9:zwa134. doi: 10.1093/eurjpc/zwa134.
- 202 Bencivenga L, Sepe I, Palaia ME, Komici K, Corbi G, Puzone B, Arcopinto M, Cittadini A, Ferrara N, Femminella GD, Rengo G. Antithrombotic therapy in patients undergoing transcatheter aortic valve replacement: the complexity of the elderly. *Eur J Prev Cardiol.* 2020 Nov 6:zwa053. doi: 10.1093/eurjpc/zwa053.
- 203 Contaldi C, Dellegrottaglie S, Mauro C, Ferrara F, Romano L, Marra AM, Ranieri B, Salzano A, Rega S, Scatellia A, Cittadini A, Cademartiri F, Bossone E. Role of Cardiac Magnetic Resonance Imaging in Heart Failure. *Heart Fail Clin.* 2021 Apr;17(2):207-221. doi: 10.1016/j.hfc.2021.01.001.
- 204 Cittadini A, Salzano A, Iacoviello M, Triggiani V, Rengo G, Cacciatore F, Maiello C, Limongelli G, Masarone D, Perticone F, Cimellaro A, Perrone Filardi P, Paolillo S, Mancini A, Volterrani M, Vriz O, Castello R, Passantino A, Campo M, Modesti PA, De Giorgi A, Monte IP, Puzzo A, Ballotta A, D'Assante R, Arcopinto M, Gargiulo P, Sciacqua A, Bruzzese D, Colao A, Napoli R, Suzuki T, Eagle KA, Ventura HO, Marra AM, Bossone E. Multiple hormonal and metabolic deficiency syndrome predicts outcome in heart failure: the T.O.S.C.A. Registry. *Eur J Prev Cardiol.* 2021 Mar 7:zwab020. doi: 10.1093/eurjpc/zwab020.

Communication to International Meetings

1. Larussi D, De Simone R, Cittadini A, Ferrara M, Ponte G, Maddaloni D, Esposito L, Iacono A. Doppler echocardiographic evaluation of left ventricular filling in homozygous beta-thalassemia related to hematologic pattern. Atti del "6th International Congress on Echocardiography". Roma, 23/25 giugno 1988: 233
2. Larussi D, Cittadini A, De Simone R, Picardi G, Castaldo G, D'Ascia C. Echocardiographic evaluation of regional function in anthracycline cardiotoxicity. "6th European Conference of International Society of Noninvasive Cardiology". Napoli, 4-8 ottobre 1988: 62.

3. Larussi D, De Simone R, Cittadini A, Picardi G, Vitagliano G, D'Ascia C. Assessment of cardiac function in homozygous beta-thalassemia by pulsed doppler echocardiography. "**6th European Conference of International Society of Noninvasive Cardiology**". Napoli, 4-8 ottobre 1988: 44.
4. Galzerano D, Irace L, Tedesco M, Passavanti B, Cittadini A, Iacono A. T/R ratio changes during exercise stress testing as index of left ventricular function in idiopathic dilated cardiomyopathy. Congresso internazionale "**New trends in cardiomyopathies**". Firenze, 8-9-10 Giugno 1989: 93.
5. Larussi D, Irace L, Cittadini A, De Simone R, Langella S, Iacono A. A pulsed Doppler echocardiographic study of left ventricular diastolic function in type I Diabetes Mellitus with and without cardiac autonomic neuropathy. **XI World Congress of Cardiology**, February 1990, Manila, Philippine: C1814.
6. D'Ascia C, Picardi G, Cittadini A, Picardi A, Rengo F, Saccá L. Indications and incidence of sex on permanent cardiac electrostimulation on old subject. **Conferenza geriatrica Italo-Britannica**, Roma 4-6 Maggio 1990: 101.
7. Cittadini A, Fazio S, D'Ascia C, Basso A, Polverino W, Saccá L. Impaired left ventricular diastolic filling after doxorubicin therapy. **2nd International Conference on Cardiac Doppler-echo and color flow imaging**, Dubrovnik, May 27-31, 1990: C4-24.
8. Maddalena G, Santomauro M, Fazio S, Ferraro S, De Caro B, Papaccioli G, Cittadini A, Chiariello M. Initial clinical experience with a temperature controlled rate modulated pacemaker. **Cardiostim 90**, 7th International Congress. Nice, June 20-23, 1990: C163.
9. Fazio S, Santomauro M, Ferraro S, Cittadini A, Papaccioli G, Maddalena G, Napoli R, Saccá L. Ibopamine in long term treatment of heart failure. **Cardiostim 90**, 7th International Congress. Nice, June 20-23, 1990: C673.
10. D'Ascia C, Picardi G, Cittadini A, Saccá L. Comparison of the efficacy of gallopamil and diltiazem in the treatment of effort angina. **5th International Symposium on Calcium Antagonists: pharmacology and clinical research**. Houston, September 25-28, 1991: 96.
11. Merola B, Colao A, Fazio S, Longobardi S, Cittadini A, Sabatini D, Esposito V, Biondi B, Lombardi G. Cardiac structural and functional abnormalities in adult GH deficiency (AGHD). **3th International meeting on Growth Hormone Deficiency in Adults** Stockholm 1992: 37.
12. Merola B, Rossi E, Longobardi S, Ferone D, Esposito V, Colao A, Cittadini A, Fazio S, Orio F, Lombardi G. Cardiac muscle in adult patients affected with GH deficiency (AGHD). **International symposium on Growth** Santiago de Compostela 1992: 53.
13. Cittadini A, Merola B, Fazio S, Colao A, Sabatini D, Longobardi S, Biondi B, Lombardi G, Saccà L. Abnormalities of left ventricular structure and function in adult patients with growth hormone deficiency. **8th international congress on echocardiography** Rome, 1993: 94.

14. Merola B, Colao A, Fazio S, Longobardi S, Rossi E, Cittadini A, Sabatini D, Esposito V, Biondi B, Saccà L, Lombardi G. Echocardiographic findings in Adult GH Deficiency. **75th Endocrine Society.** Las Vegas 1993: 225.
15. Cittadini A, Katz SE, Strömer H, Morgan JP, Douglas PS. Differential cardiac effect of growth hormone and IGF-I in a new model of hormone excess in the rat: serial in vivo evaluation. **Circulation** 1994;90:I-16.
16. Cittadini A, Fazio S, Strömer H, Cuocolo A, Sabatini D, Imbriaco M, Saccá L, Douglas PS. New method for optimal echo determination of right ventricular filling: scintigraphic validation and application in hypertension. **Circulation** 1994;90: I-439.
17. Strömer H, Szymanska G, Cittadini A, Morgan JP. A new approach for comparing cardiac function in isolated, isovolumic, buffer-perfused rat hearts of different size. **J Invest Med** 1995;43:77A.
18. Rosen HN, Chen V, Cittadini A, Moses AC, Greenspan SL, Douglas PS, Beamer WG. Treatment with GH and IGF-1 in growing rats increases bone mineral content but not bone density. **Endocrine Society Annual Meeting;** Washington, DC,1995
19. Strömer H, Cittadini A, Douglas PS, Morgan JP. Exogenously administered growth hormone and IGF-1 alter intracellular calcium and enhance cardiac performance. **J Am Coll Cardiol** 1995;23:282A.
20. Cittadini A, Strömer H, Katz SE, Grossman JD, Morgan JP, Douglas PS. Growth modulates cardiac function and β -adrenergic responsiveness. **Circulation** 1995; 92:I-184
21. Napoli R, Chow JC, Cittadini A, Hirshman MF, Smith RJ, Douglas PS, Horton ES. Chronic rhIGF-1 administration in normal rats reduces skeletal muscle plasma membrane GLUT1 content without affecting glucose transport. **Diabetes** 1996; 45:232A
22. Cittadini A, Grossman JD, Katz SE, Morgan JP, Douglas PS. GH attenuates LV remodeling and improves cardiac function in rats with large myocardial infarction. **J Am Coll Cardiol** 1996;27:12A
23. Forman DE, Cittadini A, Wei JY. Gender-related cardiovascular differences in very old rats. **Circulation** 1996;94:I-15.
24. Cittadini A, Grossman JD, Katz SE, Douglas PS. Post-myocardial infarction remodeling and function are dependent upon growth hormone. **Circulation** 1996; 94:I-361.
25. Strömer H, Cittadini A, Grossman JD, Morgan JP. Normal cardiac function requires growth hormone. **Circulation** 1996;94:I-421.

26. Cittadini A, Strömer H, Hampton T, Morgan JP. Abnormalities of calcium handling underlie the reduced tolerance of hypertrophied hearts to ischemia. *Circulation* 1996;94:94:I-663.
27. Cittadini A, Mantzoros CS, Hampton TG, Katz SE, Travers KE, Flier JS, Morgan JP, Douglas PS. Cardiovascular phenotype of transgenic mice with reduced brown fat. *Circulation* 1997;94:I-465
28. Cittadini A, Spindler M, Ishiguro Y, Travers K, Morgan JP. Mechanisms of IGF-1 positive inotropic actions. *J Am Coll Cardiol* 1997;405A
29. Saccà L, Cittadini A, Fazio S. Cardiac effects of growth hormone in physiology and heart failure. *Soc Franc Card* Paris 4-17 Janvier 1998;C61
30. De Groot MCH, Strömer H, Horn M, Dienesch C, Leupold A, Cittadini A. Growth hormone-induced left hypertrophy is not but pressure overload hypertrophy is associated with impaired post-ischaemic recovery. *Eur Heart J* 1998;19:490
31. De Groot M, Horn M, Leupold A, Dienesch C, Hugel S, Cittadini A, Morgan JP, Neubauer S, Strömer H. Growth hormone-induced left hypertrophy is not but pressure overload hypertrophy is associated with increase susceptibility to ischemia. *MAGMA 4th international symposium "Magnetic resonance in Cardiovascular research"* 24-26 September 1998;6:192.
32. Cittadini A, Travers KE, Tumas D, Grossman JD, Palmieri EA, Morgan JP, Douglas PS. Failure of IGF-I to either reduce apoptosis or attenuate pathologic remodeling in infarction/reperfusion in the rat. *Circulation* 1998;17:I744.
33. Strömer H, De Groot M, Horn M, Leupold A, Dienesch C, Hugel S, Cittadini A, Morgan JP, Neubauer S. Growth hormone-induced left hypertrophy is not but pressure overload hypertrophy is associated with impaired post-ischaemic recovery. *Circulation* 1998;17:I346.
34. Cittadini A, Ehnborg C, Longobardi S, Berggren A, Fazio S, Rosen T, Napoli R, Caïdhal K, Saccà L, Bengtsson B-A. Growth hormone activates cardiac growth in normal subjects: a multicenter, double-blind, placebo-controlled study. *Endocrine Society's 81st Annual Meeting*, 1999, June 12-15, San Diego, California.
35. Healy ML, Dall R, Ehnborg C, Longobardi S, Cittadini A, Christiansen JS, Pentecost C, Basset E, Boroujerdi M, Powrie J, Baxter RC, Rosen T. GH/IGF-I and related parameters in elite athletes-a post competition, cross-sectional study. *Endocrine Society's 81st Annual Meeting*, 1999, June 12-15, San Diego, California.
36. Longobardi S, Keay N, Ehnborg C, Cittadini A, Rosen T, Healy M, Dall R, Basset E, Pentecost C, Powrie J, Jorgensen JO, on behalf of the GH 2000 group. Growth hormone(GH) effects on bone and collagen turnover in healthy adults and its potential usefulness in the detection of GH sport abuse: a double blind, placebo-controlled study. *Endocrine Society's 81st Annual Meeting*, 1999, June 12-15, San Diego, California.

37. Politano L, Cittadini A, Petretta LV, Longobardi S, Comi LI, Passamano L, Giugliano MAM, Durante Mangoni E, Nigro Ge, Saccà L, Nigro G. Effects of growth hormone therapy in Becker patients with dilated cardiomyopathy. Preliminary results. *Acta Myologica* 1999;III:83-84.
38. Cozzolino D, Cittadini A, Torella D, Celentano U, Torella R. Beneficial cardiovascular effects of β endorphin in patients with mild chronic heart failure. *Circulation* 1999; 100(18): I 679.
39. Cittadini A, Ehrnborg C, Longobardi S, Berggren A, Fazio S, Rosen T, Napoli R, Caïdhal K, Saccà L, Bengtsson B-A. Short-term effects of growth hormone (GH) on cardiac morphology and performance in normal subjects. *Circulation* 1999; 100(18): I 426.
40. Cittadini A, Politano L, Longobardi S, Petretta VR, Fazio S, Nigro Ge, Durante Mangoni E, Nigro G, Saccà L. Growth hormone improves left ventricular loading conditions in Becker muscular dystrophy. *Circulation* 1999; 100(18): I 427.
41. Cittadini A, Casaburi C, Monti MG, Oliviero U, Di Martino M, Scherillo G, Di Gianni A, Serpico R, Ettari G, De Simone G, Troise A, Saccà L. Canrenone attenuates interstitial remodeling, improves diastolic function and intrinsic contractility in experimental heart failure. *4th international congress on coronary artery disease*, 2001, October 21-24, Prague, Czech Republic:547-551
42. Cittadini A., E.A. Palmieri, G. Benincasa, F.Di Rella, C. Casaburi, M. G. Monti, G. Scherillo, G. De Simone, R. Serpico, A. Di Gianni, L. Sacca. Differential expression of TNF-alpha, IL-6, and IGF-1 by graded mechanical stress in normal rat myocardium *J. Endocrinol invest* 2001; 24 (suppl to 7): 48
43. Cittadini A, Isgaard J, Di Gianni A, Serpico R, Saldamarco L, Saccà L. Growth hormone prolongs survival and reduces apoptotic death in experimental postinfarction heart failure. *The Jolla-Rome-Yamaguchi Research Conference on Cardiac Function: "Therapeutic Horizons in Heart Failure"*, La Jolla, USA, December 6-8, 2002.
44. Cittadini A, Di Gianni A, Latronico M, Tshiclis P, Saccà L, Condorelli G. AKT/PKB regulates myocardial contractility and intracellular calcium handling. *The Jolla-Rome-Yamaguchi Research Conference on Cardiac Function: "Therapeutic Horizons in Heart Failure"*, La Jolla, USA, December 6-8, 2002.
45. Cittadini A, Monti MG, Isgaard J, Casaburi C, Stromer H, Guerra G, Ettari G, Serpico R, Sacca L. Aldosterone receptor blockade improves left ventricular remodeling and increases ventricular fibrillation threshold in experimental heart failure. *Eur Heart J* 2003;24(suppl):2015
46. Cittadini A, Isgaard J, Monti MG, Iaccarino G, Di Gianni A, Serpico R, Saldamarco L, Sacca L. Growth hormone prolongs survival and reduces apoptotic death in experimental heart failure *Eur Heart J* 2003;24(suppl):P2796

47. Cittadini A, Monti MG, Latronico MV, Stroemer H, Castiello C, Esposito ML, Sacca L, Condorelli G. Akt regulates myocardial contractility and mechanoenergetics cellular calcium handling **Eur Heart J** 2004;25(suppl):1306
48. D'Ascia C, Cittadini A, Monti MG, Riccio G, D'Ascia S, Persiano G. Biventricular pacing reduces interstitial remodeling, tumor necrosis factor alpha expression and apoptotic death in human chronic heart failure **Eur Heart J** 2004;25(suppl):819
49. M.G. Monti, M.C. Castiello, V. Petrillo, D. Rea, E. D'Arco, N. Castaldo, G. Condorelli, A. Cittadini – SOCS-1 gene transfer promotes a rapid onset of dilated cardiomyopathy in a chronic pressure overload cardiac rat model. Monaco, **ESC 2008**, 30 Agosto-3 Settembre 2008.
50. M. Arcopinto, A. M. Marra, T. Lettieri, V. Apuzzi, G. Bosso, A. Valvano, F. Calabrese, M.C. Salerno, U. Oliviero, A. Cittadini. Effect of long term L-thyroxine treatment endothelial function and carotid intima media thickness in young adults with congenital hypothyroidism. **ESC 2009**, Barcellona, 29 Agosto- 2 Settembre 2009
51. A. Cittadini, G. Carlomagno, L. Saldamarco, A. M. Marra, M. Arcopinto, F. Calabrese, S. Fazio, C. Vigorito, B. Merola, L. Saccà. Beneficial effects of correction of growth hormone deficiency in chronic heart failure: a randomized controlled single blind study. **ESC 2009**, Barcellona, 29 Agosto – 2 Settembre 2009
52. A. M. Marra, M. Arcopinto, E. Bossone, E. Bobbio, O. Vriz, G. Limongelli, V. Cirrincione, S. Milano, L. Saccà, A. Cittadini. Cardiovascular abnormalities in the low IGF-1 syndrome: insights from the TOSCA project. **ESC 2010**, Stoccolma, 28 Agosto 2010
53. M. Arcopinto, A. Salzano, E. Bobbio, G. Limongelli, O. Vriz, E. Bossone, C. De Vincentiis, G. Malizia, M. Matarazzo, A. Cittadini. Are IGF-1 levels really low in chronic heart failure? **ESC 2011**, Gothenburg, Svezia, 21-24 Maggio 2011
54. A. M. Marra, L. Saldamarco, M. Arcopinto, A. Salzano, E. Bobbio, S. Longobardi, E. Bossone, G. Malizia, I. Isgaard, A. Cittadini. Long term growth hormone replacement therapy in chronic heart failure: preliminary data, **ESC 2011**, Gothenburg, Svezia, 21-24 Maggio 2011
55. E. Bossone, F. Ferrara, E. Bobbio, A. Salzano, A. Frigiola, R. Citro, O. Vriz, A. Ballotta, L. Caliendo, A. Cittadini. The TOSCA project: research, education and care, **ESC 2011**, Gothenburgh, Svezia, 21-24 Maggio 2011
56. A. Cittadini, M.G. Monti, M. Chiacchio, A. Salzano, E. Bobbio, S. Longobardi, L. Saldamarco, A. Baldi, V. Petrillo, G. Condorelli. SOCS-1 gene transfer accelerates the transition to heart failure through the inhibition of the gp130/JAK/STAT pathway in a chronic pressure overload rat model. **ESC 2011**, Gothenburg, Svezia, 21-24 Maggio 2011

57. Sirico D, Bobbio E, Salzano A, Marra AM, Arcopinto M, Celentani D, Ferrara F, Bossone E, Saccà L, Cittadini A. Long-term growth hormone replacement therapy in chronic heart failure: preliminary data **Update in Cardiomyopathies and Congestive Heart Failure: Joint Meeting Heart Hospital London - A.O. Monaldi Napoli**, 22-23 settembre 2011. Ospedale Monaldi, Napoli, Italy
58. Salzano A, Bobbio E, Arcopinto M, Marra AM, Celentani D, Sirico D, Ferrara F, Bossone E, Saccà L, Cittadini A. Cardiovascular Abnormalities are a common finding in Klinefelter's Syndrome **Update in Cardiomyopathies and Congestive Heart Failure: Joint Meeting Heart Hospital London - A.O. Monaldi Napoli**, 22-23 settembre 2011. Ospedale Monaldi, Napoli, Italy
59. Bobbio E, Salzano A, Sirico D, Celentani D, Marra AM, Arcopinto M, Ferrara F, Bossone E, Saccà L, Cittadini A. "Cardiovascular abnormalities in the Low IGF-1 syndrome: insights from the TOSCA project". **Update in Cardiomyopathies and Congestive Heart Failure: Joint Meeting Heart Hospital London - A.O. Monaldi Napoli**, 22-23 settembre 2011. Ospedale Monaldi, Napoli, Italy
60. Marra AM, Bossone E, Saldamarco L, Oliviero U, Arcopinto M, Salzano A, Sirico D, Bobbio E, Saccà L, Cittadini A. Safety and efficacy of long-term GH replacement therapy in CHF ESC 2012,
61. Marra AM, Salzano A, Arcopinto M, Sirico D, Celentani D, Formisano P, Piscitelli S, Vriz O, Bossone E, Cittadini A. Chronic heart failure disrupts the physiological age-related decline of serum testosterone ESC2012
62. Marra AM, Salzano A, Napoli R, Monti MG, Celentani D, Aimaretti G, Isgaard J, Bossone E, Saccà L, Cittadini A. Metformin prevents the development of chronic heart failure in the SHHF rat model ESC 2012

Publications on National Journals

1. D'Ascia C, Picardi G, Cittadini A, Saccà L. Valutazione clinica dell'efficacia dell'associazione calcio-antagonisti+nitroderivati nella terapia dell'angina stabile da sforzo. **Clinica e Terapia Cardiovascolare** 1990; 9: 35-47.
2. Polverino W, Basso A, Bonelli A, Muto P, Cittadini A, Salvatore M. La 4'-epidoxorubicina: sua cardiotossicità. Eventuale cardioprotezione con il gallopamil, farmaco ad azione calcioantagonista. **Min Cardioang** 1992; 40: 23-30.
3. Fazio S, Cittadini A. Endocardite reumatica e malattie delle valvole cardiache. In: Cambri S, Tarantino G. **Educazione Sanitaria**. Napoli: Mediserve ed. 1992:273-284.
4. Fazio S, Sabatini D, Cittadini A, Santomauro M, Merola B, Biondi B, Colao A, Lombardi G, Saccà L. Effetti cardiaci del GH. **Minerva Endocrinol** 1993;18:69-75.

5. Sabatini D, Fazio S, Cittadini A, Biondi B, Lucariello A, Picano T, Saccá L. Regressione dell'ipertrofia e miglioramento del riempimento diastolico ventricolare sinistro in corso di terapia antipertensiva con cilazapril. *Cardiologia* 1993;38:377-381.
6. Fazio S, Sabatini D, Cittadini A, Biondi B, Merola B, Colao A, Lombardi G, Saccá L. Ormone della crescita e cuore. *Cardiologia* 1994; 38:513-518.
7. Cittadini A, Durante Mangoni E, Palmieri EA, Casaburi C, Longobardi S, Di Rella F, Fazio S, Saccà L. Ruolo dell'asse GH/IGF1 nella fisiopatologia e nella terapia cardiovascolare: lezioni da studi sull'animale. *Cardiologia* 1998;43:1185-1192.
8. Biondi B, Fazio S, Palmieri EA, Tremalaterra R, Angelotti G, Bonè F, Riccio G, Cittadini A, Lombardi G, Saccà L. Effetti dell'ipotiroidismo subclinico cronico da terapia con levotiroxina su morfologia e funzione cardiaca. *Cardiologia* 1999;44:443-449.
9. Punzi M, Cittadini A, Casaburi C, Angelillo N, Dentico C, Pilerici F, Mazza F. La cronica carenza di estrogeni altera la struttura, la funzione e la biochimica cardiaca in ratti adulti femmina. *Cardiologia extraospedaliera* 1999;5:179-181.
10. Casaburi C, Di Rella F, Riccio G, Angelillo N, Ettari G, Troise A, De Simone G, Longobardi S, Fazio S, Morgan JP, Cittadini A. Metabolismo miocardico del calcio nell'insufficienza cardiaca: dalla fisiologia ai nuovi orizzonti terapeutici. *Ital Heart J suppl* 2000;1(6):766-771.
11. Barretta A, Cittadini A, Monti G, Grassi M, Sacca L, Lodi R. Espressione di TNF-alfa, morte apoptotica ed aumentata fibrosi nello scompenso cardiaco associato ad insufficienza mitralica (PLVM). *Boll Soc Med Chir Modena* 2004;1(6):13-18
12. Cittadini A, Serpico R, Monti MG, Sacca L.. Il ruolo dell'aldosterone nello sviluppo della fibrosi postinfartuale. *Ital Heart J* 2005;6(suppl 1):43S-50S

Communication to National Meetings

1. Tedesco MA, Di Pietro V, Tortoriello A, Galzerano D, Cittadini A, Villani C, Verza M, Russo R. Effetti della nicardipina nel trattamento di pazienti anziani ipertesi. Studio controllato versus nifedipina. Atti del XXXII Congresso Nazionale della Società Italiana di Gerontologia e Geratria. Pavia, 23/26 Settembre 1987. *Giorn Geront*, 1987; XXXV: 751.
2. Tedesco MA, Galzerano D, Cice G, Cittadini A, Crimaldi A, Coppolino P, Russo R, Iacono A. Aspetti elettro-vettorcardiografici nelle cardiomiopatie dilatative. *Cardiologia* 1987; 32 (Suppl 12): 74.
3. Iarussi D, De Simone R, Zanfardino V, Gualtieri S, Auricchio A, Cittadini A, Iacono A. Analisi delle velocità istantanee di assottigliamento della parete posteriore in atleti di resistenza. *Cardiologia* 1987; 32 (Suppl 12): 93.

4. Iarussi D, De Simone R, Cittadini A, Iacono A, Ferrara M, Ponte G, Maddaloni D, Esposito L. Valutazione della funzione ventricolare sinistra nella beta-talassemia omozigote con ecocardiografia doppler. Comunicazione al **XV Congresso Nazionale dell'Associazione Italiana di ematologia e oncologia pediatrica**. Torino, 28-30 aprile 1988. Atti del Congresso: 60.
5. Irace L, Aiello C, Ruggiero A, Palcera A, Galzerano D, Cittadini A, Tedesco MA, Iacono A. Comportamento degli effetti sistemicci del dipiridamolo endovenoso in soggetti di diverse classi di età con sospetta cardiopatia ischemica. **Cardiologia** 1988; 33 (Suppl 12): 67.
6. D'Ascia C, Picardi G, Cittadini A, Romano M, Di Tommaso G, Iarussi D, De Simone R, Saccà L. L'aggiunta di un nitroderivato in grado di migliorare l'efficacia del solo calcio-antagonista nell'angina stabile da sforzo? Valutazione mediante ECG dinamico. **Giornate Cardiologiche Romane** 1989: 169.
7. D'Ascia C, Napoli R, Cittadini A, Picardi G, De Martino A, De Simone R, Iarussi D, Saccà L. Studio prospettico sull'efficacia e la tollerabilità di un nuovo antiaggregante: la picotamide. Rapporto preliminare. **Giornate Cardiologiche Romane** 1989: 172.
8. D'Ascia C, Cittadini A, Napoli R, Picardi G, Vitagliano G, Albano G, Tancredi E, Saccà L. Efficacia e tollerabilità di un nuovo antiaggregante: la picotamide. **Giornale Italiano di Cardiologia** 1989; 19 (Suppl 1): 177.
9. Di Tullio MT, Indolfi P, Citarella O, Giovannillo F, Casale F, Buono S, Giuliani F, De Simone R, Cittadini A, Iarussi D. Valutazione ecodoppler della cardiotossicità a lungo termine da doxorubicina. **XVI Congresso Nazionale Associazione Italiana di Ematologia ed Oncologia Pediatrica**. Catania, 24-26 Maggio 1989: 104.
10. Cittadini A, D'Ascia C, Picardi G, Caiazza P, Saccà L, Condorelli M. Studio ecocardiografico Doppler del flusso venoso polmonare in soggetti normali e con fibrillazione atriale. **Cardiologia** 1989; 34 (Suppl 12): 14.
11. Iarussi D, Cittadini A, De Simone R, Giuliani F, Buono S, Casale S, Giovannillo F, Citarella O. Cardiotossicità a lungo termine da doxorubicina: uno studio ecocardiografico con il Doppler pulsato. **Cardiologia** 1989; 34 (Suppl 12): 41.
12. D'Ascia C, Cittadini A, Picardi G, Napoli R, Caiazza P, Aversano E, Saccà L. Confronto tra la picotamide e l'aspirina: uno studio randomizzato in doppio cieco sulla efficacia e la tollerabilità. **Cardiologia** 1989; 34 (Suppl 12): 50.
13. Fazio S, Santomauro M, Cittadini A, Sabatini D, Napoli R, D'Ascia C, Saccà L. Efficacia della ticlopidina nel prevenire gli episodi tromboembolici in pazienti portatori di pacemaker VVI. **VII Congresso Triennale della Fondazione Emofilia**. Bari 22-24 Settembre 1990: C92.
14. Fazio S, Lupoli G, Biondi B, Cittadini A, Picardi G, Lombardi G, D'Ascia C, Saccà L. Effetti dell'ipotiroidismo acuto sul cuore. **XCI Congresso Nazionale Società Italiana di Medicina Interna**. Messina, Taormina 27 Ottobre-1 Novembre 1990: 196.

15. Cittadini A, Fazio S, D'Ascia C, Picardi G, Sabatini D, Saccá L. Alterazione del riempimento diastolico ventricolare sinistro dopo terapia con doxorubicina. **XCI Congresso Nazionale Società Italiana di Medicina Interna**. Messina, Taormina 27 Ottobre-1 Novembre 1990: 193.
16. Lupoli G, Biondi B, Tommaselli AP, Fazio S, Cittadini A, Saccá L, Lombardi G, Zarrilli L. Effetti dell'ipotiroidismo acuto sul cuore. **Ottave giornate italiane della tiroide**. Cagliari, 5-7 dicembre 1990: 95.
17. Biondi B, Fazio S, Lupoli G, Cittadini A, Santomauro M, Saccà L, Lombardi G. Studio degli effetti sul cuore dell'ipotiroidismo acuto mediante metodiche non invasive. **Attualità su cuore e ormoni**. Reggio Emilia 1990:81-83
18. D'Ascia C, Picardi G, Fazio S, Cittadini A, Giacco S, Cioffi G, Ranieri P, Saccà L. Valutazione delle aritmie cardiache in soggetti ipertesi; influenza dell'ipertrofia ventricolare sinistra. 1990 **Cardiologia**; 35:68.
19. Fazio S, Santomauro M, Picano T, Cittadini A, Cocozza M, Oliviero U, Pappone C, Chiariello M, Saccà L. Studio dell'aggregazione piastrinica in pazienti portatori di pacemaker VVI. **L'elettrostimolazione cardiaca tra clinica e tecnologia**. Taormina, 1990: 638-642.
20. Merola B, Colao A, Biondi B, Cataldi M, Rossi E, Fazio S, Cittadini A, Picardi G, Sabatini D, Saccá L. Heart and acromegaly. **Journal of Endocrinological Investigation** 1991; 14 (Suppl 4): 70.
21. D'Ascia C, Picardi G, Fazio S, Cittadini A, Giacco S, Caiazza P, Ranieri P, Saccà L. A comparison between digitalis and ibopamine in heart failure. **Second international workshop of new trends in cardiovascular therapy and technology**. Genoa, Italy, June 19-22, 1991: 184.
22. Fazio S, Cittadini A, Sabatini D, Biondi B, Cocozza M, Oliviero U, Carella C, Amato G, Panza N, Lombardi G, Saccà L. Effetti sul cuore della terapia tireosoppressiva a lungo termine. **XCII Congresso Nazionale della Società Italiana di Medicina Interna**. Roma, 15-19 ottobre 1991: 275.
23. Lombardi G, Merola B, Colao A, Biondi B, Cittadini A, Fazio S. Modificazioni dei parametri cardiovascolari nell'acromegalia. Atti del **XXIV Congresso Nazionale della società Italiana di Endocrinologia**. Genova, 12-15 Maggio 1992.
24. Fazio S, Merola B, Cittadini A, Sabatini D, Colao A, Ferone D, Biondi B, Rossi E, D'Ascia C, Lombardi G, Saccá. Effetti del trattamento cronico con somatostatina 201-995 sulla massa e sulla funzione cardiaca in pazienti acromegalici. **XCIII Congresso Nazionale della Società Italiana di Medicina Interna** (p. 23) Firenze, 17-21 Ottobre 1992.
25. Cittadini A, Merola B, Fazio S, Sabatini D, Cuocolo A, Colao A, Rossi E, Biondi B, Longobardi S, Lombardi G, Saccà L. Valutazione ecocardiografica della funzione cardiaca in soggetti con deficit di GH. **XCIII Congresso Nazionale della Società Italiana di Medicina Interna** (p. 36) Firenze, 17-21 Ottobre 1992.

26. Bellastella A, Amato G, Fazio S, La Montagna G, Cittadini A, Sabatini D, Carella C. Il deficit di GH in età adulta : prospettive terapeutiche. ***Il paziente adulto con deficit di GH : aspetti endocrino-metabolici e prospettive terapeutiche.*** Milano, 17 Aprile 1993.
27. Lombardi G, Merola B, Colao A, Longobardi S, Rossi E, Biondi B, Cittadini A, Sabatini D, Fazio S. Valutazione ecocardiografica nel paziente adulto con deficit di GH. ***Il paziente adulto con deficit di GH : aspetti endocrino-metabolici e prospettive terapeutiche.*** Milano, 17 Aprile 1993.
28. Biondi B, Carella C, Fazio S, Amato G, Cittadini A, Sabatini D, Panza N, Russo VLM, Mone C, Saccà L, Zarrilli L. Mean circumferential fiber shortening velocity (mVCF) index of thyroid hormone action. ***J Endocrinol Invest*** 1993; 16 : 97.
29. Amato G, Carella C, Fazio S, La Montagna G, Cittadini A, Sabatini D, Mone C, Chiuciolo N, Saccà L, Bellastella A. Body composition, bone metabolism, heart structure and function in growth hormone deficient adults (GHDA) before and after replacement therapy at low doses of recombinant growth hormone (rGH). ***J Endocrinol Invest*** 1993; 16 : 97.
30. Biondi B, Fazio S, Coltorti F, Carella C, Riccio G, Cittadini A, Finelli L, Marranzini A, Squame G, Saccà L, Lombardi G. Episodi di tachicardia reciproca giunzionale in corso di terapia con L-Tiroxina. ***Quattordicesime giornate italiane della tiroide.*** Perugia 5-7 Dicembre 1996.
31. Punzi MP, Cittadini A, Fazio S, Numis FG, Angelillo N, Casaburi C, Dentico C, Landi V, Saccà L, Mazza F. L'ipeprolattinemia nell'uomo non ha effetti significativi sull' apparato cardiovascolare. ***Cardiologia extraospedaliera*** 1998;4 (3) : 208.
32. Punzi MP, Cittadini A, Bonè F, Angelillo N, Dentico C, Casaburi C, Landi V, Fazio S, Merola B, Mazza F. Funzione e struttura cardiaca in ratti nani in vivo prima e dopo trattamento con GH : valutazione ecocardiografica. ***Cardiologia extraospedaliera*** 1998;4: 238.
33. Punzi MP, Cittadini A, Palmieri EA, Angelillo N, Di Costanzo B, Casaburi C, Dentico C, Landi V, Merola B, Mazza F. Effetti della somministrazione acuta di IGF-I ed IGFBP-3 sulla contrattilità miocardica nel ratto. ***Cardiologia extraospedaliera*** 1998;4: 206.
34. Merola B, Romano M, Di Costanzo B, Di Rella F, Longobardi S, Cittadini A, Angelillo N, Orio F jr, Dentico C, Iervolino E, Sabatella M, Lombardi G. Physical work capacity and cardiopulmonary performance during exercise in adult patients with childhood onset GHD before and after GH treatment. ***J Endocrinol Invest.*** 1999;22:42
35. D'Ascia C, Cittadini A, Riccio G, De vito L, Longobardi S, D'Ascia S, Pappone C, Saccà L. Profilo aritmologico dell'ormone della crescita dopo somministrazione acuta nell'uomo. ***Cardiologia*** 1999;44:126.
36. Casaburi C, Angelillo N, Punzi MP, Ettari G, Troise A, Riccio G, Douglas PS, Cittadini A. Sviluppo di una sindrome ipercinetica in topi obesi con riduzione del grasso bruno: valutazione ecocardiografica seriale. ***Cardiologia*** 1999;44:103.

37. Riccio G, Troise A, Ettari G, Angelillo N, Di Costanzo B, Punzi MP, Fazio S, Douglas PS, Cittadini A. Valutazione ecocardiografica della morfologia e funzione cardiaca in ratti mutanti nani. **Cardiologia** 1999;44:102.
38. Casaburi C, Politano L, Nigro Ge, Nigro G, Petretta LV, Ettari G, Troise A, Angelillo N, Fazio S, Saccà L, Cittadini A. Effetti della somministrazione dell'ormone della crescita nella distrofia muscolare di Duchenne e Becker: risultati preliminari di uno studio randomizzato, doppio cieco verso placebo. **Cardiologia** 1999;44:34.
39. Palmieri EA, Di Rella F, Longobardi S, Casaburi C, Troise A, Ettari G, Saccà L, Cittadini A. Effetti dello stretch acuto del ventricolo sinistro in ratti con ipertrofia ventricolare sinistra indotta dall'ormone della crescita o da banding aortico: analisi differenziale dell'espressione miocardica del gene del TNF- α . **Cardiologia** 1999;44:30.
40. Di Lorenzo E, Indolfi C, Stingone AM, Cittadini A, Cioppa A, Perrino C, Curcio A, Pascotto M, Saccà L, Chiariello M. Effetto degli inibitori della HMG CoA reduttasi sull'ipertrofia cardiaca indotta dal sovraccarico pressorio. **Cardiologia** 1999;44:10.
41. Cittadini A, Palmieri EA, Benincasa G, Di Rella F, Casaburi C, Monti MG, Scherillo G, De Simone G, Serpico R, DiGianni A, Saccà L. Differential expression of tumor necrosis factor- α , interleukin-6, and insulin-like growth factor-1 by graded mechanical stress in normal rat myocardium. **J Endocrinol Invest** 2001;24:48
42. Cittadini A, Longobardi S, Berggren A, Fazio S, Rosen T, Napoli R, Caïdhal K, Bengtsson B-A, Casaburi C, Di Gianni A, Serpico R, Saccà L. Short-term effects of growth hormone on cardiac morphology and performance in normal subjects **J Endocrinol Invest** 2001;24:57
43. Longobardi S, Politano L, Cittadini A, Peretta V, Di Rella F, Passamano L, Faruolo G, Saccà L. GH-IGF-1 axis in muscular dystrophies. **J Endocrinol Invest** 2001;24:65
44. Longobardi S, Keay N, Ehrnborg C, Cittadini A, Rosen T, Dall R, Boroujerdi M, Bassett EE, Powrie J, Jorgensen JOL, Saccà L. Effects of supraphysiological doses of growth hormone on bone and collagen markers during the menstrual cycle. **J Endocrinol Invest** 2001;24:67
45. Cittadini A, Monti MG, Casaburi C, Di Gianni A, Serpico R, Saldamarco L, Di Martino M, Vanasia M, Persiano G, Sacca L. Il trattamento con canrenone migliora il rimodellamento ventricolare sinistro ed aumenta la soglia di fibrillazione ventricolare in un modello sperimentale di scompenso cardiaco. **Ital Heart J** 2002;3(suppl 7):C74
46. D'Ascia S, Stroemer H, Palmieri EA, de Groot MCH, Di Rella F, Leupold A, Horn M, Monti MG, Isgaard J, Neubauer S, Sacca L, Cittadini A. Differenti risposte all'ischemia-riperfusione ed allo stretch meccanico dell'ipertrofia indotta da GH e da sovraccarico. **Ital Heart J** 2003;4(suppl 6):P45.
47. Serpico R, Di Gianni A, Isgaard J, Monti MG, Saldamarco L, Sacca L, iaccarino G, Cittadini A. Il GH prolunga la sopravvivenza in modelli sperimentali di infarto del miocardio. **Ital Heart J** 2003; 4(suppl 6):C358

48. Serpico R, Monti MG, Di Gianni A, Castiello MC, Condorelli G, Cittadini A, Saccà L. Il transfer genico cardiaco con Bcl-xL previene la risposta ipertrofica in un modello animale di sovraccarico pressorio. Università degli Studi di Napoli Federico II, **Giornate Scientifiche Interpolo**, Napoli 26-27 maggio 2005, p.9.
49. Guarino L., Monti M. G., Imparato G. , Luciani A., Castaldo N., Petrillo V., Natale C., Netti P. A., Cittadini A. In vivo gelatin microspheres distribution and release in experimental model of myocardial infarction. AISAL **BIOMETRICALS IN MEDICINE AND ANIMAL MODELS**, Napoli 22-23 Settembre 2001
50. Ferrara F, Bobbio E, Salzano A, Malizia G, Cirrincione V, Limongelli G, Vriz O, Mazzeo A, De Paola V, Citro R, Caliendo L, Marra AM, Arcopinto M, Generali T, Frigiola A, Ballotta A, Bossone E, Cittadini A. The T.O.S.CA. project. 42° Congresso Nazionale Associazione Nazionale Medici Cardiologi Ospedalieri(ANMCO) Firenze 11-14 Maggio 2011 **G Ital Cardiol** Vol 12 Suppl1 al n 5 2011
51. Bobbio E, Salzano A, Ferrara F, Arcopinto M, Marra AM ,Malizia G, Cirrincione V, Limongelli, G, Vriz O, Citro R, Caliendo L, Bossone E, **Cittadini A.** Anomalie Cardiovascolari nella Low-IGF-1 Syndrome: dati preliminari del T.O.S.CA. project 42° Congresso Nazionale Associazione Nazionale Medici Cardiologi Ospedalieri ANMCO, Firenze 11-14 Maggio 2011**G Ital Cardiol** Vol 12 Suppl1 al n 5 2011
52. Salzano A, Bobbio E, Marra AM, Arcopinto M, Sirico D, Celentani D, Ferrara F, Bossone E, Saccà L, Cittadini A An unusual case of dilated cardiomyopathy associated with partial hypopituitarism 112 Congresso Nazionale Società Italiana Medicina Interna Roma 22-25 Ottobre 2011 **Intern Emerg Med** (2011) 6 (Suppl 2):S191-S392
53. Bobbio E, Salzano A, Marra AM, Arcopinto M, Celentani D, Sirico D, Bossone E, Ferrara F, Cittadini A, Saccà L. The low IGF-1 Syndrome in chronic heart failure: preliminary data from the T.O.S.CA. Italian Multicentrum Study 112 Congresso Nazionale Società Italiana Medicina Interna Roma 22-25 Ottobre 2011 **Intern Emerg Med** (2011) 6 (Suppl 2):S141-S190
54. Arcopinto M, Marra AM, Salzano A, Bobbio E, Celentani D, Bossone E, Ferrara F, Pasquali D, Renzullo A, Saccà L, Cittadini A. Cardiovascular abnormalities are a common findings in Klinefelter Syndrome. 112 Congresso Nazionale Società Italiana Medicina Interna - Roma 22-25 Ottobre 2011 **Intern Emerg Med** (2011) 6 (Suppl 2):S191-S392
55. Marra AM, Arcopinto M, Bobbio E, Salzano A, Sirico D, Celentani D, Ferrara F, Bossone E, Cittadini A, Saccà L. GH replacement in adults with chronic heart failure. Preliminary long-term results 112 Congresso Nazionale Società Italiana Medicina Interna - Roma 22-25 Ottobre 2011 **Intern Emerg Med** (2011) 6 (Suppl 2):S191-S392
56. Bobbio E, Marra AM, Arcopinto M, Salzano A, Celentani D, Sirico D, Ferrara F, Bossone E, Saccà L, Cittadini A. Cardiovascular abnormalities in the low IGF-1 Syndrome: insight from the T.O.S.CA. project 72° Congresso Nazionale Società Italiana di Cardiologia, Roma 10-12 Dicembre 2011 (comunicazione orale) **G Ital Cardiol** Vol 12 Suppl 3 al n 12 2011
57. Marra AM, Arcopinto M, Bobbio E, Salzano A, Celentani D, Sirico D, Ferrara F, Bossone E, Saccà L, Cittadini A Long-term growth hormone replacement therapy in chronic heart

failure: preliminary data 72° Congresso Nazionale Società Italiana di Cardiologia, Roma 10-12 Dicembre 2011 (premio sessione poster) **G Ital Cardiol Vol 12 Suppl 3 al n 12 2011**

58. Arcopinto M, Marra AM, Bobbio E, Salzano A, Celentani D, Sirico D, Ferrara F, Bossone E, Saccà L, Cittadini A. Cardiovascular abnormalities are a common findings in Klinefelter's Syndrome. 72° Congresso Nazionale Società Italiana di Cardiologia, Roma 10-12 Dicembre 2011 **G Ital Cardiol Vol 12 Suppl 3 al n 12 2011**
59. Marra AM, Sirico D, Salzano A, Bobbio E, Arcopinto M, Celentani D, Gigante A, Napoli R, Luiso D, Isgaard J, Bossone E, Ferrara F, Saccà L, Cittadini A. Metformin and chronic heart failure: prevention of development of chronic heart failure in the SHHF rat model. 113° Congresso Nazionale Società Italiana di Medicina Interna- Roma- 20-22 Ottobre 2012
60. Salzano A, Bobbio E, Arcopinto M, Marra AM, Sirico D, Spina E, Formisano P, Piscitelli S, Bossone E, Vriz O, Saccà L, Cittadini A. Chronic heart failure and testosterone: new evidence about disruption of the physiological age-related decline of serum testosterone. 113° Congresso Nazionale Società Italiana di Medicina Interna- Roma- 20-22 Ottobre 2012
61. Arcopinto A, Salzano A, Marra AM, Bobbio E, Sirico D, Celentani D, Spina E, Miele C, Bossone E, Ballotta A, Vriz O, Limongelli G, Volterrani M, Cittadini A. GH/IGF-1 Axis abnormalities are a common finding in mild-to moderate Chronic Heart Failure. 113° Congresso Nazionale Società Italiana di Medicina Interna- Roma- 20-22 Ottobre 2012
62. Salzano A, Bobbio E, Marra AM, Arcopinto M, Sirico D, Saldamarco L, Campanino AG, Oliviero U, Isgaard J, Saccà L, Cittadini A. Is growth hormone replacement therapy in chronic heart failure safe and effective in a long-term administration trial? 113° Congresso Nazionale Società Italiana di Medicina Interna- Roma- 20-22 Ottobre 2012

BOOKS

1. Cittadini A, Fazio S, Saccà L. Growth hormone in heart failure in "**Growth Hormone**" Ed. Bengt-Åke Bengtsson. 1999:309-323.
2. Cittadini A, Longobardi S, Fazio S, Saccà L. Growth hormone and cardiac function. In: **Growth hormone in adults**. Eds. Juul A and Jorgensen JOL. Cambridge University Press, 2000:251-264.
3. Cittadini A, Douglas PS. The cellular and molecular basis for growth hormone action on the heart. In: **Growth hormone and the heart**. Ed. Giustina A. Kluwer Academic Publishers, 2001:1-11.
4. Saccà L, Cittadini A, Fazio S. Does the growth factor approach have a future in the treatment of human heart failure? In: **Growth hormone and the heart**. Ed. Giustina A. Kluwer Academic Publishers, 2001:101-109.

Prof. A. Cittadini
Viale Raffaello 34
80129 NAPOLI
Curriculum Vitae

Naples, March 23, 2021

Autori's signature