

Curriculum Vitæ

Informazioni personali

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Cittadinanza ROM
Data di nascita 03/04/1979

Titoli di studio

Data di conseguimento 03/04/2014
Titolo conseguito Dottore di ricerca
Descrizione Indirizzo Scienze Cardiovascolari
Titolo della Tesi Exploring the clinical feasibility and reliability of three-dimensional echocardiography for advanced quantitative analysis of left ventricular myocardial deformation
Nome e indirizzo istituzione Università degli Studi di PADOVA - Via 8 Febbraio, 2 - PADOVA

Data di conseguimento 10/03/2010
Titolo conseguito Diploma di scuola di specializzazione
Descrizione Cardiologia; Riconoscimento di titolo di studio estero abilitante all'esercizio in Italia di medico specialista in Cardiologia (Gazzetta Ufficiale: decreto 28.02.2011, 11A03416)
Voto conseguito 9.84/10
Nome e indirizzo istituzione Università di Medicina e Farmacia "Carol Davila" - Bucarest
Tipo istituzione Università straniera

Data di conseguimento 16/02/2004
Titolo conseguito Laurea (vecchio ordin.)
Descrizione Titolo di Studio Straniero (LAUREA); Riconoscimento di titolo di studio estero abilitante all'esercizio in Italia di medico (Gazzetta Ufficiale: decreto 28.02.2011, 11A03416)
Voto conseguito 9.97/10

Esperienze

Periodo 01/01/2012 - oggi
Posizione Altro
Qualifica Dottorando
Tipo di attività svolta Responsabile Ambulatorio Eco Ricerca
Nome e indirizzo istituzione Azienda Ospedaliera di Padova - - Padova

Periodo	01/03/2016 - oggi
Posizione	Ricercatore universitario a t.d.
Qualifica	Ricercatore a t.d. - t.pieno (art. 24 c.3-a L. 240/10)
Nome e indirizzo istituzione	Università degli Studi di PADOVA - Via 8 Febbraio, 2 - PADOVA
Struttura	Dip. L.240/2010 SCIENZE CARDIOLOGICHE, TORACICHE E VASCOLARI
Periodo	01/01/2015 - 31/12/2015
Posizione	Assegnista di ricerca
Nome e indirizzo istituzione	Università degli Studi di PADOVA - Via 8 Febbraio, 2 - PADOVA
Struttura	Dip. L.240/2010 SCIENZE CARDIOLOGICHE, TORACICHE E VASCOLARI
Periodo	01/01/2014 - 31/12/2014
Posizione	Assegnista di ricerca
Nome e indirizzo istituzione	Università degli Studi di PADOVA - Via 8 Febbraio, 2 - PADOVA
Struttura	Dip. L.240/2010 SCIENZE CARDIOLOGICHE, TORACICHE E VASCOLARI
Periodo	01/01/2011 - 31/12/2013
Posizione	Dottorando
Nome e indirizzo istituzione	Università degli Studi di PADOVA - Via 8 Febbraio, 2 - PADOVA
Struttura	Dip. L.240/2010 SCIENZE CARDIOLOGICHE, TORACICHE E VASCOLARI
Titolo dottorato	INDIRIZZO DI SCIENZE CARDIOVASCOLARI
Periodo	25/06/2012 - 28/06/2012
Posizione	Attività didattica
Qualifica	Dottorando
Tipo di attività svolta	Co-direttore del corso internazionale "3D Echo Intensive Course" (corso teorico-pratico post-laurea con cadenza triennale)
Nome e indirizzo istituzione	Università degli Studi di PADOVA - Via 8 Febbraio, 2 - PADOVA
Periodo	06/01/2011 - 31/12/2011
Posizione	Ricercatore all'estero
Qualifica	Ricercatore
Tipo di attività svolta	Vincitrice European Association of Echocardiography Research Grant
Nome e indirizzo istituzione	Università degli Studi di PADOVA - Via 8 Febbraio, 2 - PADOVA
Struttura	Dip. SCIENZE CARDIOLOGICHE, TORACICHE E VASCOLARI
Periodo	15/01/2009 - 15/01/2010
Posizione	Borsista
Tipo di attività svolta	Borsa di studio annuale
Nome e indirizzo istituzione	Azienda Ospedaliero-Universitaria "Santa Maria della Misericordia" di Udine - - Udine

Elenco dei prodotti della ricerca

Donal Erwan, Delgado Victoria, Magne Julien, Bucciarelli-Ducci Chiara, Leclercq Christophe, Cosyns Bernard, Sitges Marta, Edvardsen Thor, Sade Elif, Stankovic Ivan, Agricola Eustachio, Galderisi Maurizio, Lancellotti Patrizio, Hernandez Alfredo, Plein Sven, Muraru Denisa, Schwammenthal EHUD, Hindricks Gerhard, Popescu Bogdan A, Habib Gilbert (2017). Rational and design of EuroCRT: an international observational study on multi-modality imaging and cardiac resynchronization therapy. EUROPEAN HEART JOURNAL. CARDIOVASCULAR IMAGING, ISSN: 2047-2404, doi: 10.1093/ehjci/jex021

Lakatos, B, Tosér, Z, Tokodi, M, Doronina, A, Kosztin, A, MURARU, DENISA, BADANO, LUIGI, Kovács, A, Merkely, B. (2017). Quantification of the relative contribution of the different right ventricular wall motion components to right ventricular ejection fraction: the ReVISION method.. CARDIOVASCULAR ULTRASOUND, vol. 1, ISSN: 1476-7120, doi: 10.1186/s12947-017-0100-0

Muraru Denisa, Migliore Federico, Cipriani Alberto, Iliceto Sabino, Bertaglia Emanuele (2017). Transthoracic 3D echocardiography imaging of transcatheter pacing system. EUROPEAN HEART JOURNAL. CARDIOVASCULAR IMAGING, ISSN: 2047-2404, doi: 10.1093/ehjci/jex065

Sokalskis Vladislavs, Muraru Denisa, Fraccaro Chiara, Napodano Massimo, D'Onofrio Augusto, Tarantini Giuseppe, Badano Luigi (2017). Echocardiographic follow-up after transcatheter aortic valve replacement. ECHOCARDIOGRAPHY, ISSN: 0742-2822, doi: 10.1111/echo.13443

Surkova, Elena, Badano, Luigi P, BELLU, ROBERTO, ARUTA, PATRIZIA, SAMBUGARO, FEDERICA, ROMEO, GABRIELLA, MIGLIORE, FEDERICO, MURARU, DENISA (2017). Left bundle branch block: from cardiac mechanics to clinical and diagnostic challenges. EUROPACE, ISSN: 1099-5129, doi: 10.1093/europace/eux061

Addetia K, Maffessanti F, Muraru D, Singh A, Yamat M, Weinert L, Mor-Avi V, Badano L, Lang RM (2016).

Dynamic right ventricular shape analysis in the normal heart using 3D echocardiography-derived curvature indices. JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY, vol. 63, ISSN: 1558-3597, doi: 10.1016/S0735-1097(16)31809-5

Addetia, K., Maffessanti, Francesco, MURARU, DENISA, Singh, Amita, Yamat, Megan, Weinert, Lynn, Mor Avi, Victor, BADANO, LUIGI, LANG, ROBERTO MIGUEL (2016). DYNAMIC RIGHT VENTRICULAR SHAPE ANALYSIS IN THE NORMAL HEART USING 3D ECHOCARDIOGRAPHY-DERIVED CURVATURE INDICES. JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY, vol. 67, ISSN: 0735-1097, doi: 10.1016/S0735-1097(16)31809-5

Badano Luigi, Miglioranza Marcelo H., Mihaila Sorina, Peluso Diletta, Xhaxho Jola, Marra Martina Perazzolo, Cucchini Umberto, Soriani Nicola, Iliceto Sabino, Muraru Denisa (2016). Left atrial volumes and function by three-dimensional echocardiography: Reference values, accuracy, reproducibility, and comparison with two-dimensional echocardiographic measurements. CIRCULATION. CARDIOVASCULAR IMAGING, vol. 9, ISSN: 1941-9651, doi: 10.1161/CIRCIMAGING.115.004229

Badano Luigi, Muraru Denisa (2016). Subclinical Right Ventricular Dysfunction by Strain Analysis; Refining the Targets of Echocardiographic Imaging in Systemic Sclerosis. CIRCULATION. CARDIOVASCULAR IMAGING, vol. 9, e005009, ISSN: 1941-9651, doi: 10.1161/CIRCIMAGING.116.005009

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Cherata Diana, Muraru Denisa, Palermo Chiara, Romeo Gabriella, Aruta Patrizia, Binotto G, Semenzato G,

Carstea D, Iliceto Sabino, Badano Luigi (2016). Longitudinal strain analysis allows the identification of subclinical deterioration of right ventricular myocardial function in patients with cancer therapy-related left ventricular dysfunction. EUROPEAN HEART JOURNAL, vol. 17, p. 16, ISSN: 0195-668X

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Edvardsen Thor, Cardim Nuno, Cosyns Bernard, Delgado Victoria, Donal Erwan, Dulgheru Raluca, Galderisi Maurizio, Haugaa Kristina H., Kaufmann Philipp A., Lancellotti Patrizio, Lombardi Massimo, Muraru Denisa, Plein Sven, Maurer Gerald, Popescu Bogdan A., Habib Gilbert (2016). Criteria for recommendation and expert consensus papers: From the European Association of Cardiovascular Imaging Scientific Documents Committee. EUROPEAN HEART JOURNAL. CARDIOVASCULAR IMAGING, vol. 17, p. 1098-1100, ISSN: 2047-2404, doi: 10.1093/ehjci/jew157

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Miglioranza Marcelo Haertel, Badano Luigi, Mihaila Sorina, Peluso Diletta, Cucchini Umberto, Soriani Nicola, Iliceto Sabino, Muraru Denisa (2016). Physiologic

Determinants of Left Atrial Longitudinal Strain: A Two-Dimensional Speckle-Tracking and Three-Dimensional Echocardiographic Study in Healthy Volunteers. JOURNAL OF THE AMERICAN SOCIETY OF ECHOCARDIOGRAPHY, vol. 29, p. 1023-1034, ISSN: 0894-7317, doi: 10.1016/j.echo.2016.07.011

Mihaila Sorina, Muraru Denisa, Miglioranza Marcelo Haertel, Piasentini Eleonora, Aruta Patrizia, Cucchini Umberto, Iliceto Sabino, Vinereanu Dragos, Badano Luigi (2016). Relationship between mitral annulus function and mitral regurgitation severity and left atrial remodelling in patients with primary mitral regurgitation. EUROPEAN HEART JOURNAL. CARDIOVASCULAR IMAGING, vol. 17, p. 918-929, ISSN: 2047-2404, doi: 10.1093/ehjci/jev301

Mihaila Sorina, Velcea A, Andronic A, Matei Ll, Muraru Denisa, Cucchini Umberto, Marcu S, Badano Luigi, Vinereanu D (2016). Two-dimensional assessment of left atrial volume might be inaccurate, mainly at higher volumes and in complex left atrial shapes. EUROPEAN HEART JOURNAL, vol. 37, ISSN: 0195-668X

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Muraru Denisa, Marotta Carla, Mihaila Sorina, Calore Chiara, Bidviene Jurate, Surkova Elena, Romeo Gabriella, Aruta Patrizia, Palermo Chiara, Badano Luigi (2016). In patients with hypertrophic cardiomyopathy, left ventricular mass and shape by three-dimensional echocardiography are related with dynamic obstruction

and functional capacity. EUROPEAN HEART JOURNAL, vol. 17, p. 77, ISSN: 0195-668X

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Muraru Denisa, Spadotto Veronica, Cecchetto Antonella, Romeo Gabriella, Aruta Patrizia, Ermacora Davide, Jenei Csaba, Cucchini Umberto, Iliceto Sabino, Badano Luigi (2016). New speckle-tracking algorithm for right ventricular volume analysis from three-dimensional echocardiographic data sets: validation with cardiac magnetic resonance and comparison with the previous analysis tool. EUROPEAN HEART JOURNAL. CARDIOVASCULAR IMAGING, vol. 17, p. 1279-1289, ISSN: 2047-2404, doi: 10.1093/ehjci/jev309

Muraru Denisa, Surkova Elena, Badano Luigi (2016). Revisit of functional tricuspid regurgitation; Current trends in the diagnosis and management. KOREAN CIRCULATION JOURNAL, vol. 46, p. 443-455, ISSN: 1738-5520, doi: 10.4070/kcj.2016.46.4.443

Muraru Denisa, Veronesi Federico, Maddalozzo Anna, Dequal Daniele, Frajhof Leonardo, Rabischoffsky Arnaldo, Iliceto Sabino, Badano Luigi (2016). 3D printing of normal and pathologic tricuspid valves from transthoracic 3D echocardiography data sets. EUROPEAN HEART JOURNAL. CARDIOVASCULAR IMAGING, ISSN: 2047-2404, doi: 10.1093/ehjci/jew215

Muraru Denisa, Veronesi Federico, Romeo Gabriella,

Aruta Patrizia, Dequal Daniele, Iliceto Sabino, Badano Luigi (2016). FEASIBILITY AND RELATIVE ACCURACY OF THREE-DIMENSIONAL PRINTING OF NORMAL AND PATHOLOGIC TRICUSPID VALVES FROM TRANSTHORACIC THREE-DIMENSIONAL ECHOCARDIOGRAPHIC DATA SETS. JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY, vol. 67, ISSN: 0735-1097, doi: 10.1016/S0735-1097(16)31659-X

Peluso Diletta, Kovacs A, Surkova Elena, Muraru Denisa, Perazzolo Marra Martina, Iliceto Sabino, Badano Luigi (2016). Importance of radial dysfunction to determine the impairment of right ventricular ejection fraction in patients with pulmonary hypertension.. EUROPEAN HEART JOURNAL, vol. 17, ISSN: 0195-668X

Rimbac R, Mihaila Sorina, Calin Si, Florescu M, Magda Ls, Muraru Denisa, Badano Luigi, Vinereanu D (2016). New multi-layer approach of left and right ventricular myocardial deformation by 2D speckle tracking imaging in a large group of normal subjects. EUROPEAN HEART JOURNAL, vol. 37, p. 857-858, ISSN: 0195-668X

SICILIANO, MARIACHIARA, MIGLIORE, FEDERICO, BADANO, LUIGI, BERTAGLIA, EMANUELE, PEDRIZZETTI, GIANNI, CAVEDON, STEFANO, ZORZI, ALESSANDRO, CORRADO, DOMENICO, ILCETO, SABINO, MURARU, DENISA (2016). Cardiac resynchronization therapy by multipoint pacing improves response of left ventricular mechanics and fluid dynamics: a three-dimensional and particle image velocimetry echo study. EUROPACE, ISSN: 1099-5129, doi: 10.1093/europace/euw331

Sokalskis V, Peluso Diletta, Spadotto Veronica, Aruta Patrizia, Muraru Denisa, Badano Luigi (2016). Early systolic anterior motion of interventricular septum due to increased right ventricular dyssynchrony predicts accurately impaired right ventricular ejection fraction. EUROPEAN JOURNAL OF HEART FAILURE, vol. 18, ISSN: 1388-9842

Sokalskis Vlad, Aruta Patrizia, Cherata Diana, Muraru Denisa, Badano Luigi (2016). Use of fully automated software to quantify left ventricular ejection fraction and

left ventricular global longitudinal strain. EUROPEAN HEART JOURNAL, vol. 2, ISSN: 0195-668X

Surkova Elena, Aalen J, Samset E, Bidviene J, Aruta Patrizia, Romeo Gabriella, Sambugaro Federica, Badano Luigi, Muraru Denisa (2016). Noninvasively measured global wasted myocardial work allows for quantitative assessment of typical left ventricular mechanical dyssynchrony pattern in patients with left bundle branch block. EUROPEAN HEART JOURNAL, vol. 17, p. 75, ISSN: 0195-668X

Surkova Elena, Bidviene Jurate, Brunello Giulia, Veronesi Francesco, Cavalli Giacomo, Cherata Diana, Romeo Gabriella, Badano Luigi, Muraru Denisa (2016). Tricuspid annulus remodeling in patients with permanent atrial fibrillation and functional tricuspid regurgitation. EUROPEAN HEART JOURNAL SUPPLEMENTS, vol. 2, ISSN: 1520-765X

Surkova Elena, Bidviene Jurate, Brunello Giulia, Veronesi Francesco, Cavalli Giacomo, Sokalskis Vlad, Aruta Patrizia, Badano Luigi, Muraru D (2016). Tricuspid annulus area correlates more with right atrial than right ventricular volumes in patients with different mechanisms of functional tricuspid regurgitation: a 3D echocardiography study.. EUROPEAN HEART JOURNAL, vol. 17, p. 16, ISSN: 0195-668X

Surkova Elena, Muraru Denisa, Aruta Patrizia, Romeo Gabriella, Bidviene Jurate, Cherata Diana, Badano Luigi (2016). Current Clinical Applications of Three-Dimensional Echocardiography: When the Technique Makes the Difference. CURRENT CARDIOLOGY REPORTS, vol. 18, 109, ISSN: 1523-3782, doi: 10.1007/s11886-016-0787-9

Surkova Elena, Muraru Denisa, Iliceto Sabino, Badano Luigi (2016). The use of multimodality cardiovascular imaging to assess right ventricular size and function. INTERNATIONAL JOURNAL OF CARDIOLOGY, vol. 214, p. 54-69, ISSN: 0167-5273, doi: 10.1016/j.ijcard.2016.03.074

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Addetia Karima, Muraru Denisa, Veronesi Francesco, Mor-Avi V, Yamat M, Weinert L, Lang Rm, Badano Luigi (2015). Analysis of the Tricuspid Annulus from Transthoracic 3D Echocardiographic Datasets Provides Insight into Normal Tricuspid Valve Dynamics. JOURNAL OF THE AMERICAN SOCIETY OF ECHOCARDIOGRAPHY, vol. 28, ISSN: 0894-7317

Aruta Patrizia, Muraru Denisa, Jenei Csaba, Haertel Miglioranza Marcelo, Cavalli Giacomo, Romeo Gabriella, Peluso Diletta, Cucchini Umberto, Iliceto Sabino, Badano Luigi (2015). Three-dimensional echocardiography assessment of the systolic variation of effective regurgitant orifice area in patients with functional tricuspid regurgitation: implications for quantification.. EUROPEAN HEART JOURNAL. CARDIOVASCULAR IMAGING, vol. 16, ISSN: 2047-2404

Aruta Patrizia, Muraru Denisa, Jenei Csabia, Haertel Miglioranza Marcelo, Cavalli Giacomo, Romeo Gabriella, Peluso Diletta, Cucchini Umberto, Iliceto Sabino, Badano Luigi (2015). 3D echocardiography allows more effective quantitative assessment of the severity of functional tricuspid regurgitation than conventional 2D/Doppler echocardiography. EUROPEAN HEART JOURNAL. CARDIOVASCULAR IMAGING, vol. 16, ISSN: 2047-2404

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Badano Luigi, Miglioranza Marcelo, Muraru Denisa, Mihaila Sorina, Aruta Patrizia, Romeo Gabriella, Cecchetto Antonella, Peluso Diletta, Cucchini Umberto, Iliceto Sabino (2015). Left Atrium Longitudinal Strain by Two-dimensional Speckle-tracking Echocardiography in Healthy Volunteers: Reference Values and Analysis of Their Physiologic Determinants.. JOURNAL OF THE AMERICAN SOCIETY OF ECHOCARDIOGRAPHY, vol. 28, ISSN: 0894-7317

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Cecchetto A, Muraru D, Ermacora D, Romeo G, Maddalozzo A, Onciu S, Cucchini U, Iliceto S, Badano L (2015). Sunday, 30 August 2015. EUROPEAN HEART JOURNAL, vol. 36, ISSN: 0195-668X, doi: 10.1093/eurheartj/ehv399

Cecchetto Antonella, Muraru Denisa, Ermacora Davie, Romeo Gabriella, Maddalozzo Anna, Onciul S, Cucchini U, Iliceto S, Badano Luigi (2015). Impact of vendor-independent versus vendor-specific software packages on left ventricular volume measurements performed on 3D echo data sets obtained from different echo systems. EUROPEAN HEART JOURNAL, vol. 36, ISSN: 0195-668X, doi: 10.1093/eurheartj/ehv399

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ENACHE R, POPESCU BA, PIAZZA R, MURARU D, CALIN A, BELADAN CC, ROSCA M, NICOLOSI GL, GINGHINA C (2015). Left ventricular shape and mass impact torsional dynamics in asymptomatic patients with chronic aortic regurgitation and normal left ventricular ejection fraction. THE INTERNATIONAL JOURNAL OF CARDIOVASCULAR IMAGING, ISSN: 1569-5794, doi: 10.1007/s10554-015-0684-0

ERMACORA D, MURARU D, CECCHETTO A, CUCCHINI U, BADANO LP (2015). Transthoracic three-dimensional echocardiography visualization of functional anatomy of double-orifice mitral valve. EUROPEAN HEART JOURNAL. CARDIOVASCULAR IMAGING, vol. 16, p. 862, ISSN: 2047-2412, doi: 10.1093/ehjci/jev098

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Premi e riconoscimenti

Premio/riconoscimento	European Association of Cardiovascular Imaging (EACVI) Research Grant in 2011 (2011)
Assegnato da	European Association of Cardiovascular Imaging (EACVI) - former European Association of Echocardiography (EAE) - a sub-speciality of the European Society of Cardiology
Per	Research project focusing on 3D echocardiography at Padua University and curriculum vitae included in the application were evaluated with the maximum score among all the applications and this has led to the award of the only research grant offered by European Association of Echocardiography (EAE, presently called EACVI) for 2011