

Gianluca Lucchese's publications

Original articles/editorials

Lucchese G, Rossetti L, Faggian G, Luciani GB. Long-Term Follow-Up Study of Temporary Tricuspid Valve Detachment as Approach to VSD Repair without Consequent Tricuspid Dysfunction. *Tex Heart Inst J* 2016;43(5): 392-396.

Lucchese G, Montarello N, Bapat, V. A Modified Single-Puncture Technique for Transcatheter Aortic Valve Implantation in Patients without Peripheral Vascular Access. *Thorac cardiovasc Surg* 2016 Aug, Epub ahead of print.

Lucchese G, Luciani GB, Faggian G. Infectious aortitis or acute aortic syndrome—that is the question. *Ann Transl Med.* 2016 Jan;4(1):19.

Lucchese G, Rajani R, Patterson T, Kapetanakis S, Redwood S, Bapat V. Deployed but not irretrievable: A novel surgical off-pump technique for parachute device extraction. *Int J Cardiol.* 2015 Nov 23;204:66-69.

Fiaschi T, Magherini F, Gamberi T, Lucchese G, Faggian G, Modesti A, Modesti PA. Hyperglycemia and angiotensin II cooperate to enhance collagen I deposition by cardiac fibroblasts through a ROS-STAT3-dependent mechanism. *Biochim Biophys Acta.* 2014, 1843(11):2603-2610.

Luciani GB, Lucchese G, Carotti A, Brancaccio G, Abbruzzese P, Caianiello G, Galletti L, Gargiulo GD, Marianeschi SM, Mazzucco A, Faggian G, Murzi B, Pace Napoleone C, Pozzi M, Zannini L, Frigiola A. Two decades of experience with the Ross operation in neonates, infants and children from the Italian Paediatric Ross Registry. *Heart.* 2014 Dec;100(24):1954-9.

Luciani GB, De Rita F, Lucchese G, Barozzi L, Rossetti L, Faggian G, Mazzucco A. Current management of double-outlet left ventricle: towards biventricular repair in infancy. *J Cardiovasc Med (Hagerstown)* 2014 Jul 21. [Epub ahead of print]

Lucchese G, Cambi GE, De Rita F, Franzoi M, Faggian G, Mazzucco A, Modesti PA, Luciani GB. Effects of Angiotensin II Type 1 Receptor Antagonist and Temperature on Prolonged Cardioplegic Arrest in Neonatal Rat Myocytes. *Artif Organs.* 2013; 37(8):689-94.

De Rita F, Marchi D, Lucchese G, Barozzi L, Dissegna R, Menon T, Faggian G, Mazzucco A, Luciani GB. Comparison between d901 lilliput 1 and kids d100 neonatal oxygenators: toward bypass circuit miniaturization. *Artif Organs.* 2013; 37(1): E24-8.

Rungatscher A, Merlini A, De Rita F, Lucchese G, Barozzi L, Faggian G, Mazzucco A, Luciani GB. Diagnosis of infection in paediatric veno-arterial cardiac extracorporeal membrane oxygenation: role of procalcitonin and C-reactive protein. *Eur J Cardiothorac Surg* 2013; 43(5):1043-9.

Lucchese G. PhD in Cardiovascular Sciences, Graduate School for Health and Life Sciences, XXIV Cycle, University of Verona, Italy (2012). Title of the Thesis: "Biochemical pathways analysis of intracellular and extracellular signaling in failing human ventricular myocytes: differential signal transducers and activators of transcription (STAT) proteins modulation."

Luciani GB, De Rita F, Lucchese G, Hila, D, Rungatscher A, Faggian G, Mazzucco A. Repair of congenitally dysplastic aortic valve by bicuspidization: mid-term results. *Ann Thorac Surg.* 2012; 94(4):1173-9.

Cambi GE, Lucchese G, Djeokeng MM, Modesti A, Fiaschi T, Faggian G, Sani G, Modesti PA. Impaired JAK2-induced activation of STAT3 in failing human myocytes. *Mol. BioSyst.* 2012; 8(9):2351-9.

Giovanni Battista Luciani, Gianluca Lucchese, Fabrizio De Rita, Giovanni Puppini, Giuseppe Faggian, Alessandro Mazzucco. Reparative Surgery of the Pulmonary Autograft: Experience With Ross Reoperations. *Eur J Cardiothorac Surg.* 2012; 41(6):1309-15.

Gianluca Lucchese, Giulia Elisa Cambi, Fabrizio De Rita, Giuseppe Faggian, Alessandro Mazzucco, Giovanni Battista Luciani. Cardioplegia and Angiotensin II (AT) Receptor Antagonists Modulate STATs Activation in Neonatal Rat Myocardium. *Artificial Organs* 2011; 35(11):1075-81.

Fabrizio De Rita, Gianluca Lucchese, Luca Barozzi, Tiziano Menon, Giuseppe Faggian, Alessandro Mazzucco and Giovanni Battista Luciani. Selective cerebro-myocardial perfusion in complex or recurrent aortic arch pathology: a novel technique. *Artificial Organs* 2011; 35(11):1029–1035.

Modesti PA, Sernerio GG, Gamberi T, Boddi M, Coppo M, Lucchese G, Chiavarelli M, Bottai G, Marino F, Toz Gensini C, Franco Gensini G, Modesti A. Impaired angiotensin II-extracellular signal-regulated kinase signaling in failing human ventricular myocytes. *J Hypertens.* 2008; 26(10):2030-9.

Modesti PA, Marchetta M, Gamberi T, Lucchese G, Maccherini M, Chiavarelli M, Modesti A. Reduced expression of thyroid hormone receptors and beta-adrenergic receptors in human failing cardiomyocytes. *Biochem. Pharmacol.* 2008; 75(4):900-6.

Modesti A, Bertolozzi I, Gamberi T, Marchetta M, Lumachi C, Coppo M, Moroni F, Toscano T, Lucchese G, Gensini GF, Modesti PA. Hyperglycemia activates JAK2 signaling pathway in human failing myocytes via angiotensin II-mediated oxidative stress. *Diabetes.* 2005; 54(2):394-401.

Case reports

Roussakis A, Lucchese G, Sabetai M. Giant Left Atrial Myxoma. *Ann Thorac Surg.* 2016 Nov;102(5):e463.

Luciani GB, Lucchese G, Hoxha S, Torre S, Treviso O, Faggian G. Late Endovascular Pulmonary Artery Band Migration. *Ann Thorac Surg.* 2016 Jan;101(1):355-7.

Luciani GB, Hoxha S, Lucchese G, Rebonato M, Rossetti L, Faggian G, Mazzucco A. Neonatal repair of truncus arteriosus with "scimitar-like" mixed total pulmonary venous return. *Ann Thorac Surg.* 2014, 97(6):e167-9.

Lucchese G, Faggian G, Luciani GB. Pediatric Veno-Arterial ECMO In Fulminant Haemophagocytic Lymphohistiocytosis. *Artif Organs.* 2013; 37(7):671-3.

G. Davoli, L. Muzzi, G. Lucchese, N. Uricchio, M. Chiavarelli. Large Left Atrial Myxoma with Severe Mitral Regurgitation. The Inverted T-Shaped Biatrial Incision Revisited. *Tex Heart Inst J.* 2006, Vol. 33(1):51–53.

Invited papers

Luciani GB, Lucchese G. Minimal-access median sternotomy for aortic valve replacement. *Journal of thoracic disease* 2013, 5 (Suppl 6), S650–S653.

Invited book chapters

Chiavarelli M, Lucchese G. Chirurgia delle Cardiopatie Congenite. In: *Manuale di Malattie Cardiovascolari*, Ed. Società Italiana di Cardiologia, http://www.cse.it/Oreto/indice_libri.asp.

Luciani GB, Lucchese G. Myocardial Protection in Pediatric and Congenital Cardiac Surgery (Italian perspective). In: *Cardiothoracic Surgery Review*, Ed. Lippincott Williams And Wilkins.

Presentations

Lucchese G., Cummings I., Oo L., Roxburgh J., Avlonitis V. Isolated Tricuspid Valve Surgery. Failure of its principle? Long-term Outcome Analysis. AHA, 2015 Annual Meeting. Orlando (USA).

Gianluca Lucchese, Giovanni Battista Luciani, Stiljan Hoxha, Ian Cummings, Mohamed Nassar, Pietro Amedeo Modesti, Giuseppe Faggian. A New Perspective in Cardioplegia: Valsartan Improves Myocardial Protection and Oxidative Stress Tolerance During Ischemia/Reperfusion In Isolated Neonatal Rat Heart. 11th International Conference on Pediatric Mechanical Circulatory Support Systems & Pediatric Cardiopulmonary Perfusion 2015, Verona, IT.

Lucchese G, Cummings I., Oo L., Avlonitis V., Blauth C. Isolated Tricuspid Valve Surgery. Failure of its principle? Mid-term Outcome Analysis. SCTS 2015 Annual Meeting. Manchester (UK).

Lucchese G, Cummings I, Oo L, Avlonitis V, Blauth C. High-Risk Isolated Tricuspid Valve Surgery: Outcome And Predictors Of Survival Analysis. RSM 2014 - High risk surgery: the courage to fail, London, UK.

Giovanni Battista Luciani, Gianluca Lucchese, Adriano Carotti, Gianluca Brancaccio, Piero Abbruzzese, Giuseppe Caianiello, Lorenzo Galletti, Gaetano Gargiulo, Stefano Marianeschi, Alessandro Mazzucco, Bruno Murzi, Carlo Pace Napoleone, Marco Pozzi, Lucio Zannini, Alessandro Frigiola. Twenty-Year Outcome After The Ross Operation in Neonates, Infants and Children: Results From The Italian Pediatric Ross Registry. AHA 2013 Annual Meeting, Dallas, USA.

G. Lucchese, A. Carotti, G. Brancaccio, P.A. Abbruzzese, G. Caianiello, A. Frigiola (5), G.D. Gargiulo, L. Galletti, S.M. Marianeschi, A.Mazzucco, B.Murzi, C.N. Pace, M. Pozzi, L. Zannini, G.B. Luciani. Early And Late Perspectives Of The Ross (Ross/Konno) Operation In Pediatric Population: An Italian Multi-Centric Study. Italian joint meeting of Paediatric Cardiologist Society and Congenital Cardiac Surgeons Society, 2013, Padua, Italy.

F. De Rita, G. Lucchese, G. Puppini, S. Hoxha, L. Rossetti, C. Sandrini, G. Faggian, A.Mazzucco, G.B. Luciani. Repair Of Congenital Aortic Valve Disease By Bicuspidization Restores Physiological Properties Of The Native Aortic Root. Italian joint meeting of Paediatric Cardiologist Society and Congenital Cardiac Surgeons Society, 2013, Padua, Italy.

G. Lucchese, S. Hoxha, A. Prioli, G. Faggian, A. Mazzucco, G.B. Luciani. Antithrombin III Is Prognostic Of Clinical Outcome In Pediatric Extracorporeal Membrane Oxygenation. Italian joint meeting of Paediatric Cardiologist Society and Congenital Cardiac Surgeons Society, 2013, Padua, Italy.

Gianluca Lucchese, Giulia Elisa Cambi, Rocco Tabbi, Stiljan Hoxha, Giuseppe Faggian, Alessandro Mazzucco, Pietro Amedeo Modesti, Giovanni Battista Luciani. Valsartan Improves Myocardial Cardioplegic Protection and Oxidative Stress Tolerance during Ischemia/ Reperfusion In Isolated Neonatal Rat Heart. 9th International Conference on Pediatric Mechanical Circulatory Support Systems & Pediatric Cardiopulmonary Perfusion 2013, Hershey, PA.

G. Lucchese, A. Carotti, P.A. Abbruzzese, A. Frigiola, G.D. Gargiulo, A. Mazzucco, M. Pozzi, G.B. Luciani. The Ross (Ross/Konno) operation in neonates, infants and children: early and late results of the Italian pediatric Ross multi-centric study. Italian Society of Cardiac Surgeons Meeting 2012, Rome, Italy.

G. Lucchese, L. Rossetti, F. De Rita, D. Hila, K. Pechlivanidis, G. Faggian, A. Mazzucco, G.B. Luciani. Long-term quality of life and physical status after early surgical repair for Tetralogy of Fallot: staged versus primary repair. Italian Society of Pediatric Cardiologist Meeting 2012, Jesi, Italy.

Gianluca Lucchese, Giulia Elisa Cambi, Fabrizio De Rita, Mauro Franzoi, Giuseppe Faggian, Alessandro Mazzucco, Pietro Amedeo Modesti, Giovanni Battista Luciani. Angiotensin II Type 1 (AT1) Receptor Antagonist Not Cardioplegia Temperature Regulates Activation of Pro-Inflammatory Signal Transducers and Activators of Transcription (STAT) Proteins in Neonatal Rat Myocytes. 8th International Conference on Pediatric Mechanical Circulatory Support Systems & Pediatric Cardiopulmonary Perfusion 2012, Istanbul, Turkey.

G. Lucchese, D. Hila, K. Pechlivanidis, D. Cassater, L. Rossetti, M.A. Prioli, G. Faggian, A. Mazzucco, G.B. Luciani. Current Risk Factors For Systemic-Pulmonary Shunt Dysfunction In The Neonate. Italian joint meeting of Paediatric Cardiologist Society and Congenital Cardiac Surgeons Society, 2011, Bari, Italy.

Gianluca Lucchese, Fabrizio De Rita, Giuseppe Faggian, Alessandro Mazzucco, Giovanni Battista Luciani. Cardioplegia and Angiotensin (AT) 1 Receptor Antagonist Modulate STATs Activation in Neonatal Rat Myocardium. 7th International Conference on Pediatric Mechanical Circulatory Support Systems & Pediatric Cardiopulmonary Perfusion 2011, Philadelphia, USA.

Lucchese Gianluca, De Rita Fabrizio, Prioli Maria Antonia, Rossetti Lucia, Cassater Daiana, Forni Alberto, Faggian Giuseppe, Mazzucco Alessandro, Luciani Giovanni Battista. Management of tricuspid valve regurgitation in grown-ups with congenitally corrected transposition of the great arteries (cTGA). Italian Society of Cardiac Surgeons Meeting 2010, Rome, Italy.

Lucchese Gianluca, Cambi Giulia Elisa, Modesti Pietro Amedeo, Modesti Alessandra, Luciani Giovanni Battista, Faggian Giuseppe, Mazzucco Alessandro. Alterations in JAK 2-induced STAT activation in failing myocytes differentially affect the progression of dilated cardiomyopathy. Italian Society of Cardiac Surgeons Meeting 2010, Rome, Italy.

G. Lucchese, F. De Rita, M.A. Prioli, L. Rossetti, A. Forni, G. Faggian, A. Mazzucco, G.B. Luciani. Tricuspid valve regurgitation in grown-ups with congenitally corrected transposition of the great arteries: long-term outcome. Italian Society of Pediatric Cardiologist Meeting 2010, Milan, Italy.

G. Lucchese, F. De Rita, D. Cassater, A. Cristofaletti, L. Rossetti, M.A. Prioli, G. Faggian, A. Mazzucco, G.B. Luciani. Tricuspid valve detachment for repair of congenital ventricular septal defects. Is tricuspid valve function paying a price? Italian Society of Pediatric Cardiologist Meeting 2010, Milan, Italy.

G. Lucchese, G. Davoli, F. Gandolfo, L. Centola, M. Chiavarelli. Prophylaxis of atrial fibrillation after CABG with combination of Sotalol and Magnesium. A prospective, double-blind, randomized, placebo-controlled study. EACTS 2007 Annual Meeting, Geneva, Switzerland.

Abstracts

G. B. Luciani, S. Torre, A. Rungatscher, G. Lucchese, G. Faggian. Aortic Valve Repair Is Not Associated With Greater Valve-Related Morbidity than Replacement in Isolated Valve Insufficiency: A 12-Year Prospective, Controlled Study. STS 2016, Phoenix, AR, USA.

IG Cummings, G Lucchese, B Trethowan, C Blauth, VS Avlonitis. Risks of re-sternotomy in tricuspid valve endocarditis patients with patent grafts. RSM 2014 - High risk surgery: the courage to fail, London, UK.

C. Sandrini, M.A. Prioli, A. Ghidini, G. Lucchese, G.B. Luciani, M. Gaffuri, C. Vassanelli, L. Rossetti. A Rare Case Of Congenital Left Ventricular Aneurysm. Italian joint meeting of Paediatric Cardiologist Society and Congenital Cardiac Surgeons Society, 2013, Padua, Italy.

F. De Rita, G. Lucchese, D. Hila, C. Peklivanidis, L. Barozzi, G. Faggian, A. Mazzucco, G.B. Luciani. Repair of congenital aortic valve disease: a case-control study. Italian Society of Cardiac Surgeons Meeting 2012, Rome, Italy.

C. Sandrini, L. Rossetti, A. Cristofaletti, M.A. Prioli, A. Ghidini, G. Lucchese, P. Santuz, C. Vassanelli. Prenatal diagnoses of congenital heart diseases: team-work experience of our centre. Italian Society of Pediatric Cardiologist Meeting 2012, Jesi, Italy.

GB Luciani, F De Rita, G Lucchese, A Rungatscher, G Faggian, A Mazzucco. Repair Of Congenitally Dysplastic Aortic Valve By Bicuspidization: Mid-Term Results. STS 2012, Fort Lauderdale, FL, USA.

F. De Rita, G. Lucchese, L. Barozzi, D. Cassater, A. Cristofaletti, L. Rossetti, A. Prioli, G. Faggian, A. Mazzucco, G.B. Luciani. Selective Cerebro-Myocardial Perfusion In Complex Or Recurrent Aortic Arch Pathology: A Novel Technique. Italian joint meeting of Paediatric Cardiologist Society and Congenital Cardiac Surgeons Society, 2011, Bari, Italy.

D. Cassater, M.A. Prioli, L. Rossetti, A. Cristofaletti, F. De Rita, L. Barozzi, G. Lucchese, G.B. Luciani, C. Vassanelli. Is Congenital Complete Atrioventricular Block Associated With Dilation Of The Ascending Aorta? A Small Pilot Observational Study. Italian joint meeting of Paediatric Cardiologist Society and Congenital Cardiac Surgeons Society, 2011, Bari, Italy.

A. Cristofaletti, D. Cassater, G. Lucchese, K. Peklivanidis, M.A. Prioli, L. Rossetti, G.B. Luciani, C. Vassanelli. Bicuspid Aortic Valve In Association With Aortic Coarctation. How The Valve Behaves With Aortic Narrowing. A Review Of Verona's Database. Italian joint meeting of Paediatric Cardiologist Society and Congenital Cardiac Surgeons Society, 2011, Bari, Italy.

Cristofaletti, D. Cassater, A. Mugnolo, L. Sabbagh, M.A. Prioli, G. Lucchese, G.B. Luciani, C. Vassanelli. The Isolated Pulmonary Valve Stenosis: Is It A Benign Heart Disease? Analysis On 148 Patients. Italian joint meeting of Paediatric Cardiologist Society and Congenital Cardiac Surgeons Society, 2011, Bari, Italy.

Alessio Rungatscher, Fabrizio De Rita, Alberto Merlini, Gianluca Lucchese, Luca Barozzi, Giuseppe Faggian, Alessandro Mazzucco, Giovanni Battista Luciani. Procalcitonin Predicts Outcome but Not Infection in Pediatric Veno-Arterial ECMO. 7th International Conference on Pediatric Mechanical Circulatory Support Systems & Pediatric Cardiopulmonary Perfusion 2011, Philadelphia, USA.

Fabrizio De Rita, Gianluca Lucchese, Luca Barozzi, Tiziano Menon, Giuseppe Faggian, Alessandro Mazzucco, Giovanni Battista Luciani. Selective cerebro-myocardial perfusion in complex or recurrent aortic archpathology: a novel technique. 7th International Conference on Pediatric Mechanical Circulatory Support Systems & Pediatric Cardiopulmonary Perfusion 2011, Philadelphia, USA.

G.E. Cambi, G. Lucchese, M. Bonacchi, G. Sani, A. Modesti, P.A. Modesti. Alterata risposta degli STAT allo stimolo con Angiotensina II nella cardiomiopatia diabetica. Italian Society of Cardiologist Meeting 2010, Milan, Italy.

Forni Alberto, Faggian Giuseppe, Chiominto Bartolomeo, Pizzuti Manuela, Ortolani Matteo, Lucchese Gianluca, Mazzucco Alessandro. Orthotopic Heart Trasplantation Performed With Direct Bicaval Anastomosis: Long Term Morphological Outcome. Italian Society of Cardiac Surgeons Meeting 2010, Rome, Italy.

F. De Rita, A. Rungatscher, A. Merlini, G. Lucchese, L. Barozzi, A. Mazzucco, G. Faggian, G.B. Luciani. Procalcitonin May Predict Outcome But Not Infection In Pediatric Veno-Arterial ECMO. Italian Society of Pediatric Cardiologist Meeting 2010, Milan, Italy.