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Dr. Samuel Mancuso

Cardiac Surgeon - Master in Patient Blood Management
Expert in bloodless medicine and surgery

Education and training

1999–2004 Secondary School “Liceo Classico Baldessano” – Carmagnola (TO)

- Classical Secondary School Diploma in Humanities with implemented english program
- Mark: 100 out of 100 cum laude

2004–2010 University of Turin

Torino

- Single Cycle Degree in Medicine and Surgery
- Mark: 108 out of 110 with thesis about “*Surgical management in active infective endocardites: 10-years experience and first results in aortic root replacement with cryopreserved homograft*” (prof. Rinaldi as supervisor).

2012–2017 University of Turin

Torino

- Residency and Specialization Course in Cardiac Surgery
- Mark: 70 out of 70 with printing dignity, thesis about “EVIDENCE-BASED PRACTICES TO START A BLOODLESS SURGERY PROGRAM: CARDIAC SURGERY IN JEHOVAH'S WITNESS PATIENTS, A TWENTY-YEAR EXPERIENCE” (prof. Rinaldi as supervisor).

April 2017 – May 2017 Houston Methodist Hospital

Houston (TX,USA)

- Observership program in **Patient Blood Management (PBM) and Conservation** (cardio-thoracic and vascular surgery, lung and heart transplantation) at the **DeBakey Heart and Vascular Center**.

February 2019 – February 2020 University Sapienza of Rome

Roma

- Master Degree in **Patient Blood Management (Tecniche di ottimizzazione e contenimento del supporto trasfusionale in emocomponenti)**
- Mark: 110 out of 110 cum laude, thesis about “IMPLEMENTING PATIENT BLOOD MANAGEMENT THROUGH A BLOODLESS PROTOCOL IN CARDIAC SURGERY FOR JEHOVAH'S WITNESS PATIENTS: BENEFITS FOR ALL PATIENTS FROM A 23-YEAR EXPERIENCE IN OPEN HEART SURGERY WHEN BLOOD IS NOT AN OPTION” (dr. Rondinelli as supervisor).

2007–2010 City of Health and Science of Turin

Internship – Medical Student

- Molinette Hospital

- Oncologic Surgery (supervisor prof. Mussa): hospital ward, operation room, outpatients care, gastro-intestinal endoscopy.
- General Medicine (supervisor prof. Pegoraro): hospital ward, outpatients care.
- Vascular Surgery (supervisor dott. Merlo): hospital ward, operation room, outpatients care.
- Hematology (supervisor prof. Boccadoro): hospital ward, outpatients care, transplant ward.
- Neurology (supervisor prof. Mutani): hospital ward, outpatients care.
- Psychiatry (supervisor prof. Bogetto): CSM ASL 1 TO, outpatients care;
- Anesthesiology (supervisor prof. Ranieri): intensive care.

- Valletta Hospital

- Geriatric medicine (supervisor prof. Isaia): hospital ward.

- CTO Hospital (Trauma and Orthopaedics center)

- Thraumatology and Orthopedics (supervisor prof. Gallinaro): emergency room, hospital ward, operation room, outpatients visits.
- Vertebral Surgery (supervisor dott. Aleotti): hospital ward, OR, outpatients visits.

- OIRM – Pediatric Hospital Regina Margherita

- Pediatric cardiac surgery (supervisor prof. Abruzzese): hospital ward, OR (2 procedures as 2nd assistant, 2 procedures as 3rd assistant), outpatients visits.
- Pediatric cardiology (supervisor dott.ssa Agnoletti): hospital ward, outpatient visits, cath lab.

- Gynecologic hospital Sant'Anna

- Gynecology and obstetrics (supervisor prof. Benedetto): emergency room, hospital ward, operation room, delivery room, outpatients visits.

- Polyclinic “Prima Cura”

- Medical office – family doctor (supervisor dr. Araldi): outpatients visits, home visits.

Work Experience

2018 - present Maria Pia Hospital GVM Care & Research Torino
Cardiac Surgery Consultant

- Surgery
- Research (Patient Blood Management and Blood Conservation Program, Bloodless cardiac surgery);
- Hospital ward
- Post operative cardiac surgery intensive care unit;
- Outpatients' care (ambulatory room);

Interdepartmental hospital night ward

COVID-19 doctor during pandemic by SARS-CoV-2 (March 2020 – June 2020)

2009 – 2018 City of Health and Science of Turin - Molinette Hospital and Maria Pia Hospital GVM Care & Research (Torino)

Intern (Medical student), Attending volunteer (MD) and Resident in Cardiac Surgery (prof. Rinaldi and dr. Comoglio as supervisor):

- research (infective endocarditis, cryopreserved aortic homograft, TAVI and studies SOURCE - SOURCE XT - OBSERVANT, cryoablation of atrial fibrillation with mini-thoracotomy access, GUCH, Patient Blood Management, bloodless cardiac surgery).
- Hospital ward
- Surgery
- Post operative cardiac surgery intensive care unit;
- Outpatients' care (ambulatory room).

2011 - present A.S.L. TO5 Carmagnola (TO)

Local night and week end MD

- Outpatients visits, home visits on call, drugs prescriptions, certification of absence from work for illness when family doctor is not in service.

2011 - 2012 A.S.L. TO5 – CN1 – CN2 TO – CN

Family doctor substitute

- Outpatients visits, home visits on call, drugs prescriptions, exams and visits prescriptions, certification of absence from work for illness and good health in different doctors' offices in Carignano (TO), Sommariva del Bosco (CN), Sanfrè (CN), Savigliano (CN), Villafalletto (CN) and Torino.

2003 - 2014 Il Corriere di Alba, Bra, Langhe e Roero CN

Local correspondent from Sommariva del Bosco

- Reporter of events, photo-news, interviews, administrative news

Languages

ITALIAN

- Reading: **mother-tongue**
- Writing: **mother-tongue**
- Speaking **mother-tongue**

ENGLISH

- Reading: **excellent**
- Writing: **excellent**
- Speaking **good**

Certification: **First Certificate in English (ESOL Examination)** Released by **University of Cambridge (Result: Grade A)**

FRENCH

- Reading: **good**
- Writing: **good**
- Speaking **basic**

Digital competence

- Operative system (Microsoft Windows - Mac OS): **independent user**
- Document writing: **independent user**
- Spreadsheets: **independent user**
- Internet browsing : **proficient user**
- Multimedia (audio tracks, images, video editing): **independent user**

Conventions and certificates

- ***“Scompenso cardiaco avanzato:dalla furosemide al Jarvik 2000. Epidemiologia, nuovi approcci diagnostici, nuove terapie di frontiera”***, ANMCO, Torino, 17th april 2009.
- ***“Great Innovations in Cardiology – 5th Joint Meeting with Mayo Clinic”***, ANMCO, Torino, 15th-16th october 2009.
- ***“20 anni di trapianto cardiaco a Torino”***, AIRT, Torino, 21st may 2010.
- ***“Cardiopatia congenital in pazienti adulti nel XXI secolo”***, ANMCO, Torino, 9th june 2010.
- ***“Workshop Progetto GISIG – Raccomandazioni per gestione delle infezioni gravi da Gram positivi resistenti e multi resistenti”***, GISIG, Torino, 29th september 2010.
- ***“Endocardite infettiva: una patologia che cambia”***, ANMCO, Torino, 20th may 2011.
- ***“Advances in cardiovascular arrhythmias and great innovations in cardiology – XXIV Giornate Cardiologiche Torinesi”***, ANMCO, Torino, 21st october 2011.
- ***“Rave 5.6 ERC Essentials for Clinical Research Coordinators”***, Medidata University in SOURCE XT Registry Edwards Lifesciences, 15th november 2011.
- ***“Scenari clinici complessi: l’Heart-Team si confronta sulle varie opzioni”***, GVM Care & Research, Torino, 16th may 2014.
- ***“ECMO nel supporto circolatorio e respiratorio nell’adulto”***, GVM Care & Research, ITACTA, Cotignola (RA), 15th november 2014.
- ***“Workshop teorico-pratico in chirurgia coronarica”*** (Wetlab Ltd) - Università degli Studi di Torino – Scuola di spec. in Cardichirurgia, Città della Salute e della Scienza di Torino, Torino, 5th April 2017.

Conventions and certificates (follows)

- **"HAART 300 Aortic Annuloplasty Device - Meeting and wetlab"** Università degli Studi di Torino – Scuola di specializzazione in Chirurgia Cardiaca, Città della Salute e della Scienza di Torino, Torino, 13th April 2017.
- **"Corso di Formazione Generale alla Salute e Sicurezza dei Lavoratori"**, University of Turin, 8th June, 2017.
- **"Corso teorico-pratico e abilitazione al Prelievo di Cuore per la preparazione di valvole cardiache per trapianto"**, Banca delle Valole Cardiache e dei Tessuti Vascolari di Torino, Regione Piemonte, 24 Maggio 2017.
- **"System Quality and Patient Safety: Sale and Reliable Healthcare Symposium"** - Houston Methodist Hospital, Houston, TX (USA), April 28th, 2017.
- **"Transcatheter Mitral Valve Interventions: State of the Art and Future Prospectives"** (by prof. G.P. Ussia) - Houston Methodist Hospital, Houston, TX (USA), May 11st, 2017.
- **"Seeking the patient's voice: using narrative Medicine to improve patient-clinician communication"** (by prof. A. Childress) - Houston Methodist Hospital Houston, TX (USA), May 17th, 2017.
- **"Bloodless Medicine and Surgery: A Patient Centered Approach"** (by AABB eCast) - University of Pittsburgh Medical Center, May 18th, 2017.
- **"Cardiovascular Services - A Paradigm for How Healthcare Leadership Allocate Resources"** (by dr. R. A. Phillips) - Houston Methodist Hospital, Houston, TX (USA), May 25th, 2017.
- **"Adult Congenital Heart Disease"** (by dr. Chun Huie Lin) - Houston Methodist Hospital, Houston, TX (USA), May 24th, 2017.
- **"PERIOPERATIVE AUTOLOGOUS BLOOD RECOVERY: THERAPY AND TECHNOLOGY"** (by Sorin Group USA - Kevin Stripling) - Houston Methodist Hospital, Houston, TX (USA), May 15th, 2017.
- **"B-Save in Cardiac Surgery - Patient Blood Management and use of sealants and hemostatics"**, Padua - Palazzo della Salute, June 26th-27th, 2017.
- **"IMPULSE Registry Investigators Meeting"**, London, Hilton Paddington Hotel, September 27th, 2017.
- **"ANEMOnurse17"**, IRCCS Policlinico San Donato, November 17th, 2017.
- **"IL RIFIUTO ALLA TRASFUSIONE NELL'ADULTO: QUALI PROSPETTIVE? - BLOOD SAVE 2017"**, [Faculty Member](#), University of Padua, November 24th, 2017.
- **"IL DISSENSO ALLA TRASFUSIONE DI EMOCOMPONENTI TRA ETICA, DEONTOLOGIA E DIRITTO"**, by OMCeO di Torino, December 15th, 2017.
- **"Patient Blood Management dalla teoria alla pratica"**, by ASST Ovest Milanese, February 16th, 2018.
- **"Update in Blood Management"**, by dr. M. Lucas and dr. P. Seeber, Helios Klinikum, Gotha, Germany, April 25th, 2018.
- **"Corso multidisciplinare sull'anemia da carenza di ferro"**, by PharmaNutra, Turin, June 4th, 2018.
- **"SABM 2018 Patient Blood Management Certificate Course"**, Brooklyn, NY, September 12, 2018.
- **"30° Giornate Cardiologiche Torinesi"**, [Invited Speaker](#): **"Caring for patients who refuse blood – Surgical management of patients with bloodless strategy"**, University of Turin, October 25th-27th, 2018.

Conventions and certificates (follows)

- “SABM 2018 Annual Meeting – Bridging the World Through Patient Blood Management Partnerships”, Brooklyn, NY, September 13th-15th, 2018.
- “XXIX SICCH Meeting”, Annual Meeting of the Italian Society of Cardiac Surgery, Poster-presentation speaker: *“When Blood is not an Option: is it possible to treat an aortic dissection in a Jehovah’s Witness patient in emergency?”* Rome, 23rd-25th November, 2018.
- “Le trasfusioni evitabili – Il centro trasfusionale ed il *frontline* tra presente e futuro” Turin, May 17th, 2019.
- “SABM 2019 Annual Meeting – PBM: A Central Focus for Patient Safety and Quality Care”, Poster-presentation speaker: *“Cardiac surgery in Jehovah’s Witness patients: benefits for all patients from a 22-year experience in open-heart surgery when blood is not an option”* Baltimore, Maryland, September 18th-21st, 2019.
- “31° Giornate Cardiologiche Torinesi”, University of Turin – GVM Care & Research, October 24th-26th, 2019.
- “Principles & Techniques of Bloodless Surgery” by dr. A. Shander, Bloodless Medicine and Surgery Webinar 2020, University of Calabar – May 15th, 2020.

Publications

1. Giordana F, Salizzoni S, **Mancuso S**, La Torre M, Attisani M, Sheiban I, Moretti C, Conrotto F, D’Amico M, Rinaldi M. **“Age affects early mortality in TAVI”** (article). CRT 2012 (Washington, 4th-7th february 2012); Cardiovascular Revascularization Medicine Vol. 13, Issue 2, Pages e11-e12.
2. Giordana F, Salizzoni S, Grosso Marra W, **Mancuso S**, Moretti M, La Torre M, D’Amico M, Giorgi M, Sheiban I, Gaita F, Rinaldi M. **“Postoperative prosthesis insufficiency affects mortality in patients undergoing TAVI”** (article). CRT 2012 (Washington, 4th-7th february 2012); Cardiovascular Revascularization Medicine Vol. 13, Issue 2, Page 152.
3. Salizzoni S., Scipioni S., Paudice A., **Mancuso S.**, Barbaro S., Monni B., Rizzo A., La Torre M., Rinaldi M. **“Valutazione dei costi legati alle complicanze post-procedurali nei pazienti sottoposti a TAVI”** (poster). SIHTA 2011 (Udine, 17th-19th november 2011).
4. Stefano Salizzoni, Francesca Giordana, Laura Bergamasco, Michele W. La Torre, **Samuel Mancuso**, Maurizio D’Amico, Imad Sheiban, Walter Grosso Marra, Mauro Rinaldi **“Validation of the New European System for Cardiac Operative Risk Evaluation (EuroSCORE II) in patients undergoing TAVI”** (abstract); submitted to AATS 2012 (Saint Francisco, 28th april-2nd may 2012).
5. E. Cecchi, F. Chirillo, P. Faggiano, M. Imazion, M. Cecconi, A. Moreo, A. Cialfi, M. Rinaldi, S. Del Ponte, A. Squeri, O. Gaddi, F. Enia, S. Ferro, P. Costanzo, A. Zuppiroli, G. Bergandi, F. Bologna, N. Ciampini, F. De Rosa, R. Trincherio for the Italian Registry on Infective Endocarditis (RIE*) **“Did recent improvement of ultrasound equipment improve the diagnostic utility of transthoracic echocardiography for the diagnosis of infective endocarditis in the Italian Registry on Infective Endocarditis?”** (article); submitted to *Circulation AHA*.
* among RIEI Investigators: Mauro Rinaldi, Prof., Paolo Sorrentino, MD, **Samuel Mancuso, MD** for Cardiac Surgery Department, Molinette Hospital, University of Torino.
6. G Marchetto, F Gaita, L Bergamasco, **S Mancuso**, D Ricci, A Pellegrini, M Rinaldi **“Video-assisted minimally invasive mitral valve surgery and concomitant cryoablation of atrial fibrillation can be successfully performed with stable mid-term results”** (abstract) submitted to 26th EACTS 2012 (Barcellona 27th-31st October 2012).
7. S Salizzoni, L. Bergamasco, **S. Mancuso**, F. Giordana, W. Grosso Marra, M La Torre, M. D’Amico, M. Giorgi, C. Moretti, S. Marra, F. Gaita, M. Rinaldi. **“TAVI: does the approach affect mid-term changes in left ventricular ejection fraction?”** (abstract) EuroPCR 2012 (Paris, 15-18 may, 2012); EuroIntervention, Vol 8, Suppl N205, 2012.

8. E. Cecchi, F. Chirillo, M. Cecconi, P. Faggiano, A. Moreo, M. Rinaldi, A. Cialfi, S. Del Ponte, A. Squeri, F. Enia, O. Gaddi, P. Costanzo, A. Zuppiroli, G. Bergandi, F. Bologna, A. Patrignani, D. Forno, F.G. De Rosa, R. Trincherò **“La prognosi ospedaliera della endocardite infettiva in Italia: risultati del Registro Italiano della Endocardite Infettiva (RIEI*)”** (abstract, poster) ANMCO 2012 — 43° Congresso nazionale di cardiologia (Florence, 30th may-2nd june, 2012) P215; *among RIEI Investigators: **S. Mancuso** S.C.Cardiocirurgia U., Ospedale Molinette, Università di Torino.
9. E. Cecchi, F. Chirillo, M. Rinaldi, P. Sorrentino, S. Del Ponte, A. Cialfi, C. Manca, P. Faggiano, A. Moreo, A. Squeri, O. Gaddi, F. Enia, P. Costanzo, A. Zuppiroli, G. Bergandi, F. Bologna, A. Patrignani, F.G. De Rosa, D. Forno, R. Belli **“L’intervento cardiocirurgico nella cura della endocardite infettiva. Dati dal Registro Italiano della Endocardite Infettiva (RIEI*)”** (abstract) ANMCO 2012 — 43° Congresso nazionale di cardiologia (Florence, 30th may-2nd june, 2012) C69; *among RIEI Investigators: **S. Mancuso** S.C.Cardiocirurgia U., Ospedale Molinette, Università di Torino.
10. M. D’Amico, G. Ferraro, F. Conrotto, S. Salizzoni, F. Giordana, **S. Mancuso**, C. Moretti, M. Rinaldi, F. Gaita, S. Marra **“Bioprotesi valvolari aortiche transcateretere in pazienti ad elevato rischio: esperienza monocentrica”** (abstract, poster) ANMCO 2012 — 43° Congresso nazionale di cardiologia (Florence, 30th may-2nd june, 2012) P272.
11. Cecchi E, Imazio M, Forno D, Ferro S, Trincherò R, Belli R, De Rosa FG, Lipani F, Caramello P, Macor A, Chirillo F, Pedrocco A, Scotton P, Rocco F, Faggiano P, Zilioli V, Cecconi M, Manca C, Moreo A, Cataldo S, Cialfi A, Rinaldi M, Sorrentino P, Mancuso S, Del Ponte S, Mario AG, Casabona R, Squeri A, Gaddi O, Enia F, Costanzo P, Anselmino M, Zuppiroli A, Betti I, Ballo P, Bergandi G, Ronzani G, Bologna F, Ciampini N, Patrignani A. **The diagnostic utility of transthoracic echocardiography for the diagnosis of infective endocarditis in the real world of the Italian Registry on Infective Endocarditis.** Echocardiography. 2013 Sep;30(8):871-9. doi: 10.1111/echo.12173. Epub 2013 Mar 12.
11. Marchetto G, Anselmino M, **Mancuso S**, Rovera C, Antolini M, Morello M, Gaita F, Rinaldi M., **“059 * LONG-TERM RESULTS OF CONCOMITANT VIDEO-ASSISTED MINIMALLY INVASIVE ATRIAL FIBRILLATION CRYOABLATION VALIDATED BY CLINICAL AND ELECTROPHYSIOLOGICAL ASSESSMENT”** (Article) Interactive Cardiovascular and Thoracic Surgery, October 2014, DOI: 10.1093/icvts/ivu276.59
12. Marchetto G, Anselmino M, Rovera C, **Mancuso S**, Ricci D, Antolini M, Morello M, Gaita F, Rinaldi M., Results of Cryoablation for Atrial Fibrillation Concomitant With Video-Assisted Minimally Invasive Mitral Valve Surgery. Semin Thorac Cardiovasc Surg. 2016 Summer;28(2):271-280. doi: 10.1053/j.semtcvs.2016.04.006. Epub 2017 Apr 21. PMID: 28043429.
13. Della Corte A, Di Mauro M, Actis Dato G, Barili F, Cugola D, Gelsomino S, Santè P, Carozza A, Della Ratta E, Galletti L, Devotini R, Casabona R, Santini F, Salsano A, Scrofani R, Antona C, De Vincentiis C, Biondi A, Beghi C, Cappabianca G, De Bonis M, Pozzoli A, Nicolini F, Benassi F, Pacini D, Di Bartolomeo R, De Martino A, Bortolotti U, Lorusso R, Vizzardi E, Di Giammarco G, Marinelli D, Villa E, Troise G, Paparella D, Margari V, Tritto F, Damiani G, Scarscia G, Zaccaria S, Renzulli A, Serraino G, Mariscalco G, Maselli D, Parolari A, Nappi G, **Mancuso S.**, Rinaldi M., Casabona R., Devotini R., **Surgery for prosthetic valve endocarditis: a retrospective study of a national registry**, Eur J Cardiothorac Surg. 2017 Jul 1;52(1):105-111. doi: 10.1093/ejcts/ezx045.
14. Barbero C, Marchetto G, Ricci D, Mancuso S, Boffini M, Cecchi E, De Rosa FG, Rinaldi M. **Minimal access surgery for mitral valve endocarditis.** Interact Cardiovasc Thorac Surg. 2017 Aug 1;25(2):241-245. doi: 10.1093/icvts/ivx088.

Publications (follows)

15. Di Mauro M, Dato GMA, Barili F, Gelsomino S, Santè P, Corte AD, Carrozza A, Ratta ED, Cugola D, Galletti L, Devotini R, Casabona R, Santini F, Salsano A, Scrofani R, Antona C, Botta L, Russo C, Mancuso S, Rinaldi M, De Vincentiis C, Biondi A, Beghi C, Cappabianca G, Tarzia V, Gerosa G, De Bonis M, Pozzoli A, Nicolini F, Benassi F, Rosato F, Grasso E, Livi U, Sandro S, Pacini D, Di Bartolomeo R, De Martino A, Bortolotti U, Onorati F, Faggian G, Lorusso R, Vizzardi E, Di Giammarco G, Marinelli D, Villa E, Troise G, Picichè M, Musumeci F, Paparella D, Margari V, Tritto F, Damiani G, Scarscia G, Zaccaria S, Renzulli A, Serraino G, Mariscalco G, Maselli D, Foschi M, Parolari A, Nappi G; Italian Group of Research for Outcome in Cardiac Surgery (GIROC). **A predictive model for early mortality after surgical treatment of heart valve or prosthesis infective endocarditis. The EndoSCORE.** Int J Cardiol. 2017 Aug 15;241:97-102. doi: 10.1016/j.ijcard.2017.03.148. Epub 2017 Apr 4.
16. M. Di Mauro, M. Foschi, G. Actis Dato, P. Centofanti, F. Barili, A. Della Corte, E. Della Ratta, D. Cugola, L. Galletti, F. Santini, A. Salsano, M. Rinaldi, **S. Mancuso**, G. Cappabianca, C. Beghi, C. De Vincentiis, A. Biondi, U. Livi ... R. Lorusso - On behalf of the Italian Group of Research for Outcome in Cardiac Surgery (GIROC), **Surgical treatment of isolated tricuspid valve infective endocarditis: 25-year results from a multicenter registry.** Int J Cardio. Published Online: May 07, 2019; <https://doi.org/10.1016/j.ijcard.2019.05.020>
17. **S. Mancuso**, O. Dyrda, R. Casabona, L. Barbato, S. Trimboli, E. Lardone, P. Schinco, P. Costa, J. Varisco, S. Frank, A. Pippa, C. Comoglio, M. Rinaldi, S. Marra, **Cardiac surgery in Jehovah's Witness patients: benefits for all patients from a 22-year experience in open-heart surgery when blood is not an option**, Anesthesia & Analgesia, September 2019, Volume 129(3S):67-68.

Updated to May 30th, 2020

In compliance with the Italian Legislative Decree no. 196 dated 30/06/2003, I hereby authorize the recipient of this document to use and process my personal details for the purpose of recruiting and selecting staff.

Autorizzo il trattamento dei miei dati personali presenti nel curriculum vitae ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 e del GDPR (Regolamento UE 2016/679).