

Silvia Corcione

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Medical Doctor

Infectious Diseases Specialist, PhD Student

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PROFESSIONAL EXPERIENCE

- October 2016
- present **PhD Student in Medical Physiopathology, XXXII Cycle, University of Turin,
Mentor: Prof. FG De Rosa**
- Research project: *Variation in intestinal microbiota dysregulation during antibiotic therapies and risk of development of multi drugs resistant infections*
- July 2012-
July 2017 **Fellow in Infectious Diseases, University of Turin Turin, IT**
Activities:
- Infectious Diseases ward at Amedeo di Savoia Hospital, Turin, Italy
 - Infectious Diseases Consultant for Hematological wards, ICU and Transplants at City of Health and Science, Molinette Hospital, Turin, Italy
- March 2015-
November 2015 **Visiting Fellow in Infectious Diseases, Tufts Medical Center, Boston, MA, USA
Mentor: D.R. Snyderman**
- Visiting Fellow in Infectious Diseases Service on ID Consultant Team and Antimicrobial Stewardship Working Group
 - Research Fellow at Special Lab Studies, Tufts Medical Center. Mentor: Dr. C. Thorpe
Project: *In vitro effect of probiotics on multi drugs resistant bacteria growth*
- 2010-2011 **Post graduate Research Scholarship, City of Health and Science,
Molinette Hospital, Turin, Italy**
- Clinical Pharmacokinetic of Linezolid in critically ill patients

EDUCATION

- July 2017 **Post graduate Diploma in Infectious Diseases**
Infectious Diseases Fellowship program, University of Turin (Italy)
Score: 70/70 cum laude

July 2010 **Master Degree in Medicine**
School of Medicine, University of Turin, Turin (Italy)
Score: 110/110 cum laude

Licensed to Italian Medical Practice at University of Turin (Italy)
Subscription to Italian Medical Council, Turin (Italy): registration number 22019

EDUCATIONAL ACTIVITIES & COLLABORATION

Dec 2015- **Teaching assistant, Science of Nursing, University of Turin, ITALY**
present Infectious diseases,
Teaching assistant, School of Dentistry, University of Turin, ITALY
Infectious diseases course

Sept 2014- **STD & HIV prevention Program, Amedeo di Savoia Hospital**
Present

- Seminar on STD and HIV in local high schools.

Oct- **Lecturer for the 2016 Italian Professional Updating Course for Infectious**
Nov2016 **Diseases (ex. legge 135/90)**

Sept 2014- **Member of Antimicrobial Stewardship Team, Molinette Hospital**
Present working on:

- Empirical Antibiotic Therapy Manual in collaboration with Internal Medicine Specialists
- Prophylaxis in Cardiosurgery and Heart Transplant in collaboration with Cardiosurgery and Intensive Care Units

LANGUAGES, SKILLS & PUBLICATIONS

- Languages **Italian** Native **English** Fluent
 French Fluent
- Awards
 1. ID Fellows Travel Grant al 53th ICAAC/ICC San Diego, USA for the poster presentation entitled: “Molecular epidemiology of methicillin-resistant S. aureus in the ICU setting”, 2013
 2. Dante Basseti Award SIMIT (Italian Society of Infectious Diseases and Tropical Medicine) for the research entitled: “Risk factors for Invasive Aspergillosis Amongst 1038 Liver Transplant Recipient: An Italian Single Centre Experience”. September 2014
 3. SIMIT Fellowship SIMIT Italian Society of Infectious Diseases and

Tropical Medicine) for the poster presentation entitled: “Pharmacokinetic of Linezolid in critically ill patients” al Congresso 56th ICAAC, Boston, USA, 2016.

- Publications

De Rosa FG, A D’Avolio A , **Corcione S** et al. Anidulafungin for C. glabrata Infective Endocarditis Antimicrobial Agents and Chemotherapy, 2012;56(8):4552

De Rosa FG, **Corcione S** et al. High rate of respiratory MDR gram-negative bacteria in H1N1-ARDS treated with ECMO. Intensive Care Med. 2013;39(10):1880-1

De Rosa FG, **Corcione S** et al. Pharmacokinetics of linezolid during extracorporeal membrane oxygenation. Int J Antimicrob Agents. 2013 Jun;41(6):590-1.

De Rosa FG, Trearichi EM, Montrucchio C, Losito AR, Raviolo S, Posteraro B, **Corcione S** et al. Mortality in patients with early- or late-onset candidaemia. J Antimicrob Chemother. 2013;68(4):927-35.

De Rosa FG , **Corcione S**, et al. Pharmacokinetics of anidulafungin in two critically ill patients with septic shock undergoing CVVH. J Chemother. 2013;25(6):376-8.

Baietto L, D’Avolio A, Ariaudo A, **Corcione S**, et al. Development and validation of a new UPLC-PDA method to quantify linezolid in plasma and in dried plasma spots. J Chromatogr B Analyt Technol Biomed Life Sci. 2013;936:42-7.

Bassetti M, Righi E, Astilean A, **Corcione S**, et al. Antimicrobial prophylaxis in minor and major surgery. Minerva Anesthesiol. 2014. [Epub ahead of print]

Corcione S et al. Molecular epidemiology of methicillin-resistant S. aureus in the ICU setting. Intensive Care Med. 2014;40(5):759-6

Tumbarello M, Trearichi EM, Tumietto F, Del Bono V, De Rosa FG, Bassetti M, Losito AR, Tedeschi S, Saffioti C, **Corcione S**, et al. Predictive Models for Identification of Hospitalized Patients Harboring KPC-Producing Klebsiella pneumonia. Antimicrob Agents Chemother. 2014;58(6):3514-3520.

Corcione S, et al. Healthcare-Associated Klebsiella pneumoniae carbapenemase Producing K. pneumoniae Bloodstream Infection: The Time Has Come. Clin Infect Dis. 2014;59(2):321-2.

Baietto L, **Corcione S** et al. A 30-years Review on Pharmacokinetics of Antibiotics: Is the Right Time for Pharmacogenetics?. Curr Drug Metab. 2014 .

De Rosa FG, Fanelli V, **Corcione S**, et al. Extra Corporeal Membrane Oxygenation (ECMO) in three HIV-positive patients with acute

respiratory distress syndrome. *BMC Anesthesiol.* 2014;14:37.

De Rosa FG, Motta I, **Corcione S** et al. Anidulafungin versus fluconazole: clinical focus on IDSA and ESCMID guidelines. *Infez Med.* 2014 1;22(2):107-11.

Giannella M, Trecarichi EM, De Rosa FG, Bono VD, Bassetti M, Lewis RE, Losito AR, **Corcione S** et al. Risk factors for carbapenem-resistant *Klebsiella pneumoniae* bloodstream infection among rectal carriers: a prospective observational multicenter study. *Clin Microbiol Infect.* 2014

De Rosa FG, Cavallerio P, **Corcione S**, et al. Molecular Characterization of Toxigenic *Clostridium difficile* in a Northern Italian Hospital. *Curr Microbiol.* 2014

Baietto L, D'Avolio A, Cusato J, Pace S, Calcagno A, Motta I, **Corcione S**, Di Perri G, De Rosa FG. Effect of SNPs in human ABCB1 on daptomycin pharmacokinetics in Caucasian patients. *J Antimicrob Chemother.* 2014

Bassetti M, Pecori D, Della Siega P, **Corcione S**, De Rosa FG. Current and future therapies for invasive aspergillosis. *Pulm Pharmacol Ther.* Jun 2014

De Rosa FG, **Corcione S**, Pagani N, Di Perri G. From ESKAPE to ESCAPE, From KPC to CCC. *Clin Infect Dis.* 2014

Corcione S, et al. A one-year survey of carbapenemase-producing *Klebsiella pneumoniae* in Italy: beyond the ICU. *Clin Microbiol Infect.* 2015 Feb;21(2):e11-3.

De Rosa FG, **Corcione S**, et al. Critical issues for *Klebsiella pneumoniae* KPC-carbapenemase producing *K. pneumoniae* infections: a critical agenda. *Future Microbiol.* 2015;10(2):283-94.

Tumbarello M, Trecarichi EM, De Rosa FG, Giannella M, Giacobbe DR, Bassetti M, Losito AR, Bartoletti M, Del Bono V, **Corcione S et al.**; ISGRI-SITA (Italian Study Group on Resistant Infections of the Società Italiana Terapia Antinfettiva). Infections caused by KPC-producing *Klebsiella pneumoniae*: differences in therapy and mortality in a multicentre study. *J Antimicrob Chemother.* 2015;70(7):2133-43.

De Rosa FG, **Corcione S**, Di Perri G, Scaglione F. Re-defining tigecycline therapy. *New Microbiol.* 2015;38(2):121-36

Cecchi E, Chirillo F, Castiglione A, Faggiano P, Cecconi M, Moreo A, Cialfi A, Rinaldi M, Del Ponte S, Squeri A, **Corcione S**, Canta F, Gaddi O, Enia F, Forno D, Costanzo P, Zuppiroli A, Ronzani G, Bologna F, Patrignani A, Belli R, Ciccone G, De Rosa FG. Clinical epidemiology in Italian Registry of Infective Endocarditis (RIEI): Focus on age, intravascular devices and enterococci. *Int J Cardiol.* 2015 ;190:151-6.

De Rosa FG, **Corcione S**, et al. The effect on mortality of fluconazole or

echinocandins treatment in internal medicine wards. *PLoS One*. 2015;10(5):e0125149.

Corcione S, et al. Pharmacokinetics of high dosage of linezolid in two morbidly obese patients. *J Antimicrob Chemother*. 2015;70(8):2417-8.

Corcione S et al.. Start Smart With Antimicrobial Stewardship. *Clin Infect Dis*. 2015;15;61(6):1033-4.

De Rosa FG, **Corcione S**, et al. Candidemia, and infections by *Clostridium difficile* and carbapenemase-producing Enterobacteriaceae: new enteropathogenetic opportunistic syndromes?. *Infez Med*. 2015 ;23(2):105-16.

Giacobbe DR, Del Bono V, Trearichi EM, De Rosa FG, Giannella M, Bassetti M, Bartoloni A, Losito AR, **Corcione S**, et al. ISGRI-SITA (Italian Study Group on Resistant Infections of the Società Italiana Terapia Antinfettiva). Risk factors for bloodstream infections due to colistin-resistant KPC-producing *Klebsiella pneumoniae*: results from a multicenter case-control-control study. *Clin Microbiol Infect*. 2015

De Rosa FG, Stella ML, Astegiano S, **Corcione S**, et al. Wound botulism after traumatic open fracture in Italy. *Infez Med*. 2015;23(3):280-2.

Giacobbe DR, Del Bono V, Bruzzi P, **Corcione S** et al.; ISGRI-SITA (Italian Study Group on Resistant Infections of the Società Italiana Terapia Antinfettiva). Previous bloodstream infections due to other pathogens as predictors of carbapenem-resistant *Klebsiella pneumoniae* bacteraemia in colonized patients: results from a retrospective multicentre study. *Eur J Clin Microbiol Infect Dis*. 2016 Dec 1.

Beaulac K, **Corcione S**, Epstein L, Davidson LE, Doron S. Antimicrobial Stewardship in a Long-Term Acute Care Hospital Using Offsite Electronic Medical Record Audit. *Infect Control Hosp Epidemiol*. 2016;37:433-9.

Corcione S, et al. Pharmacokinetics of colistin methanesulfonate (CMS) in burn patients. *J Antimicrob Chemother*. 2017 ;72:319-321.

Giacobbe DR, Del Bono V, Bruzzi P, **Corcione S**, et al. Previous bloodstream infections due to other pathogens as predictors of carbapenem-resistant *Klebsiella pneumoniae* bacteraemia in colonized patients: results from a retrospective multicentre study. *Eur J Clin Microbiol Infect Dis*. 2017;36(4):663-669.

De Rosa FG, **Corcione S**, Montrucchio G, Brazzi L, Di Perri G. Antifungal Treatment Strategies in the ICU: Beyond Meta-analysis. *Turk J Anaesthesiol Reanim*. 2016;44(6):283-284.

De Rosa FG, **Corcione S**, Montrucchio G, Brazzi L, Di Perri G. Appropriate Treatment of Invasive Candidiasis in ICU: Timing, Colonization Index, Candida Score & Biomarkers, Towards de-

Escalation? Turk J Anaesthesiol Reanim. 2016;44(6):279-282.

Calleri G, Libanore V, **Corcione S**, De Rosa FG, Caramello P. A retrospective study of viral central nervous system infections: relationship amongst aetiology, clinical course and outcome. Infection. 2017;45(2):227-231.

Bruno B, Busca A, Vallero S, Raviolo S, Mordini N, Nassi L, Cignetti A, Audisio E, Festuccia M, Corsetti A, Depaoli L, Faraci M, Micalizzi C, **Corcione S**, Berger M, Saglio F, Caropreso P, Mengozzi G, Squadrone V, De Rosa FG, Giaccone L. Current use and potential role of procalcitonin in the diagnostic work up and follow up of febrile neutropenia in hematological patients. Expert Rev Hematol. 2017:1-8.

Corcione S, D'Avolio A, Allegra S, Fanelli V, Urbino R, Ranieri MV, Di Perri G, De Rosa FG. Pharmacokinetics of linezolid in critically ill patients: impact of continuous venovenous haemofiltration. Int J Antimicrob Agents. 2017;49(6):784-785.

De Rosa FG, **Corcione S**, Raviolo S, Bruno B, Busca A. Management of carbapenem-resistant K. pneumoniae in allogenic stem cell transplant recipients: the Turin bundle. New Microbiol. 2017;40(2):143-145.

Allegra S, Fatiguso G, Baietto L, **Corcione S**, Favata F, Ariardo A, Pagani N, Ranieri VM, De Rosa FG, Di Perri G, D'Avolio A. Pharmacogenomic influence on sepsis outcome in critically ill patients. Infez Med. 2017 1;25(1):45-49.

Patrono D, Tandoi F, Rizza G, Catalano G, Mirabella S, Celoria P, **Corcione S**, De Rosa FG, Salizzoni M, Romagnoli R. Liver transplantation with an uncommon full right hemiliver graft after hydatid cysts resection: Case report and review of the literature. Transpl Infect Dis. 2017 [Epub ahead of print]

Maraolo AE, Cascella M, **Corcione S**, Cuomo A, Nappa S, Borgia G, De Rosa FG, Gentile I. Management of multidrug-resistant Pseudomonas aeruginosa in the intensive care unit: state of the art. Expert Rev Anti Infect Ther. 2017; :1-11

2Montrucchio G, **Corcione S**, Vaj M, Zaccaria T, Costa C, Brazzi L, Cavallo R, Di Perri G, De Rosa FG. First case of E. meningoseptica in Italy in a patient with necrotic hemorrhagic pancreatitis. Infection. 2017; Epub ahead of print]

Giannella M, Trearichi EM, Giacobbe DR, De FG, Bassetti M, Bartoloni A, Bartoletti M, Losito AR, Del Bono V, Corcione S, Tedeschi S, Raffaelli F, Saffioti C, Spanu T, Rossolini GM, Marchese A, Ambretti S, Cauda R, Viscoli C, Lewis RE, Viale P, Tumbarello M; Italian Study Group on Resistant Infections of the Società Italiana Terapia Antinfettiva (ISGRI-SITA). Effect of combination therapy containing a high dose

carbapenem on mortality in patients with carbapenem-resistant klebsiella pneumoniae bloodstream infection. *Int J Antimicrob Agents*. 2017 ; Epub ahead of print]

Corcione S, Angilletta R, Raviolo S, Filippini C, Fossati L, Di Perri G, Cavallo R, De Rosa FG. Epidemiology and risk factors for mortality in bloodstream infection by CP-Kp, ESBL-E, Candida and CDI: A single center retrospective study. *Eur J Intern Med*. 2017; 17:30423-5.

Galli M, Antinori S, Atzeni F, Meroni L, Riva A, Scirè C, Adorni F, Quartuccio L, Sebastiani M, Airò P, Bazzichi L, Cristini F, Del Bono V, Manfredi A, Viapiana O, De Rosa F, Favalli E, Petrelli E, Salvarani C, Govoni M, Corcione S, Scrivo R, Sarmati L, Lazzarin A, Grassi W, Mastroianni C, Gaeta GB, Ferraccioli G, Cutolo M, De Vita S, Lapadula G, Matucci-Cerinic M, Armignacco O, Sarzi-Puttini P. Recommendations for the management of pulmonary fungal infections in patients with rheumatoid arthritis. *Clin Exp Rheumatol*. 2017;35(6):1018-1028. Epub 2017 Nov 28. Review.

Corcione S, Curtioni A, Paolucci IA, Di Perri G, De Rosa FG, Cavallo R. Neurological disease may precede lymphadenopathies in *Actinomyces europaeus* infection. *J Infect Public Health*. 2017 Dec 22

Callaris G, Marra G, Corcione S, Oderda M, Cardellino C, Audagnotto S, Frea B, De Rosa FG, Gontero P. Miliary pulmonary infection after BCG intravesical instillation: a rare, misdiagnosed and mistreated complication. *Infez Med*. 2017 Dec 1;25(4):366-370.

Montrucchio G, Sales G, Urbino R, Corcione S, Cavallo R, Brazzi L. *Staphylococcus aureus* producing Panton-Valentine Leukocidin: an emerging problem in Italian ICUs. *Minerva Anestesiol*. 2018;84(5):641-642.

Corcione S, De Rosa FG. The optimal duration of treatment for skin and soft tissue infections and acute bacterial skin and skin structure infections. *Curr Opin Infect Dis*. 2018;31(2):155-162.

Maraolo AE, Cascella M, Corcione S, Cuomo A, Nappa S, Borgia G, De Rosa FG, Gentile I. Response to: 'Letter to the Editor: "Management of multidrug-resistant *Pseudomonas aeruginosa* in the Intensive Care Unit: state of the art"'. *Expert Rev Anti Infect Ther*. 2018;16(5):369-371.

Turin. 24/05/2018

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