


PERSONAL INFORMATION

Alessandro Lucchesi

 Istituto Scientifico Romagnolo per lo Studio e la Cura dei Tumori (IRST) IRCCS - Via Piero Maroncelli, 40, 47014 Meldola (FC) (Italy)

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POSITION

Hematologist (Senior Consultant), Coordinator of the Cardioncology Group of IRST-Romagna (COIR), PhD Student

WORK EXPERIENCE

Sep 2006–Oct 2006

Emergency Medical Service

Local Health Authority of Pistoia, Pistoia (Italy)

Aug 2006–Oct 2006

General Practitioner (locum tenens)

Local Health Authority of Imola, Imola (BO) (Italy)

1 Aug 2007–31 Jul 2011

Fellow/Resident Physician (Hematology)

University of L'Aquila - "San Salvatore" Civil Hospital (Internal Medicine and Hematology Department), L'Aquila (Italy)

Activities: Day Hospital (therapeutic and diagnostic Oncohematology), General Hematology clinics, management of patients with chronic myeloproliferative neoplasms, myelodysplastic syndromes and coagulopathies, Internal Medicine inpatient care, management of the elderly patient affected by neoplasia, bone marrow biopsies and cytology, computer applications in medical care.

26 Sep 2011–25 Sep 2013

Freelance Hematologist

Istituto Scientifico Romagnolo per lo Studio e la Cura dei Tumori (IRST) IRCCS, Meldola (FC) (Italy)

Activities: Oncohematology and General Hematology clinics, Oncohematologic department (including autologous bone marrow transplantation), bone marrow biopsies and fine-needle aspiration of the abdominal fat pad, lumbar punctures, Day Hospital, pre-clinical/traslational research.

26 Sep 2013–Present

Hematology Consultant

Istituto Scientifico Romagnolo per lo Studio e la Cura dei Tumori (IRST) IRCCS, Meldola (FC) (Italy)

Activities: Oncohematology and General Hematology clinics, Oncohematologic department (including autologous bone marrow transplantation), bone marrow biopsies and fine-needle aspiration of the abdominal fat pad, lumbar punctures, Day Hospital, clinical and pre-clinical/traslational research, management of national and international experimental clinical protocols (also as PI), coordination of interdisciplinary groups, member of drug committees in the Romagna Greater Area.

1 Feb 2016–Present

Coordinator of the Cardioncology Group of IRST-Romagna (COIR)

Istituto Scientifico Romagnolo per lo Studio e la Cura dei Tumori (IRST) IRCCS, Meldola (FC) (Italy)

Structuring of a cooperative interdisciplinary project on Cardioncology, including clinical and preclinical research activities.

EDUCATION AND TRAINING

- Sep 1994–Jul 1999 **High School Diploma (scientific studies, National Plan of Computerization)**
Liceo Scientifico Statale “Amedeo di Savoia Duca d’Aosta”, Pistoia (Italy)
- 11 Jan 2006 **European Specialist Degree in Medicine and Surgery**
University of Bologna – “Alma Mater Studiorum”, Bologna (Italy)
Final mark: 110/110 (magna cum laude).
Dissertation title: "Efficacy and safety of commonly-used therapeutic options in Essential Thrombocythemia"
Hours of attendance at the Institute of Hematology "L. e A. Seràgnoli" of Bologna for the preparation of the final dissertation: 2580 (from 20/05/2003 to 11/01/2006).
- 5 Sep 2011 **Specialization in Hematology**
University of L’Aquila, L’Aquila (Italy)
Final mark: 50/50 (magna cum laude).
Dissertation title: “Prognostic significance of NOTCH1 mutations in Chronic Lymphocytic Leukemia”.
- 1999–2006 **Elective Courses and Internships**
"Alma Mater Studiorum" Medical School, Bologna (Italy)
 - Training course in Biophysics and Biomedical Technologies (Institute of Cardiology, Policlinico S. Orsola-Malpighi, Bologna)
 - Training course in Human Physiology (studies on the activity of the visual cortex) at the Institute of Human Physiology of Bologna
 - Elective courses: "Bioethics", "Trash Drugs", "The standard electrocardiogram", "Hematopoietic Stem Cell Transplantation", "Chemoprevention in Oncology", "Sleep Medicine", "Clinical Pharmacology", "Pathobiology of Lymphomas", "Nutrition", "Antithrombotic therapies", "Non-invasive diagnostic examinations in Angiology", "Thromboembolic disease: pathogenesis and risk factors".
- Aug 2002 **Clerkship in Neurosurgery**
Faculty Hospital of UPJŠ, Kosice (Slovakia)
Clinical trainee (supervisor: Professor Joseph Výrostko).
- Nov 2006–Jul 2007 **Volunteer physician**
“San Salvatore” Civil Hospital of L’Aquila, L’Aquila (Italy)
Inpatient care (Internal Medicine) and Hematology clinics.
- Apr 2011–Oct 2011 **Cytomorphology studies**
A.I.Pa.C.Me.M. (Italian Association of Clinical Pathology and Molecular Medicine); IRST IRCCS, Roma, Meldola (Italy)
 - Cytology of bone marrow at A.I.Pa.C.Me.M. (course duration: from April to October 2011).
 - Specialization course in hematologic cytology at IRST IRCCS (from 06/10/2011 to 30/11/2011)
- 9 May 2016–10 May 2016 **Advanced Life Support (ALS) Certification**
Associazione Italiana Tecnici di Emergenza Sanitaria (AIEMT), Ravenna (Italy)

ALS algorithm, defibrillation, pacing, ventilation.

1 Nov 2018–Present **PhD student - Biomedical and neuromotor sciences**
 Università degli Studi di Bologna – “Alma Mater Studiorum” (Italy)

PERSONAL SKILLS

Mother tongue(s) Italian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills Speaker and moderator in local, national and international conferences, courses, seminars (about 30).
 Expert in patients' education.

Organisational / managerial skills

- April 2009 – November 2009: conception, design and management - in collaboration with Dr. Lucilla Piccari (University of Bologna) - of the project "Medimobile - Doctors on wheels", in order to provide continuous health care by an equipped vehicle to the earthquake victims in L'Aquila.
- Principal investigator in several clinical studies in the field of hematology (including Phase 1 studies).
- Member of the Drugs Committee of the Romagna Greater Area (legal and scientific opinions on innovative and off-label treatments).
- Coordinator of an interdisciplinary group on Cardioncology and promoter of the non-pharmacological interventional observational study "STRETCH" (STRategies for the Evaluation of Cardiotoxicity in Hematology).
- Training manager of the hematology group at IRST IRCCS (2016).
- Scientific secretariat of national congresses.

Job-related skills

- Clinical management of general/malignant Hematology and Internal Medicine patients (specific fields of interest: autoimmune cytopenias, chronic myeloid leukemia and Philadelphia-negative chronic myeloproliferative neoplasms, microangiopathies, rare diseases).
- Execution of invasive manoeuvres such as: bone marrow aspirations and biopsies, lumbar punctures, FNA of the abdominal fat pad, arterial punctures.
- Basic Life Support Early Defibrillation (BLS-D) and Advanced Life Support (ALS) certifications.
- Blood smear examination.
- Pre-clinical and traslational research in Hematology and Cardioncology.
- Expert and commissioner on prescriptive appropriateness in oncology.
- Member of the Phase 1 clinical unit.
- Management of clinical studies according to ICH-GCP guidelines.

Digital skills

SELF-ASSESSMENT

Information processing	Communication	Content creation	Safety	Problem-solving
Proficient user	Proficient user	Independent user	Independent user	Independent user

Digital skills - Self-assessment grid

Internet and Microsoft Office Package (Word, Excel, Publisher, Access, PowerPoint, Outlook). Multimedia and datasharing softwares. Programming in Turbo Pascal language. Basic knowledge of medical statistics.

ADDITIONAL INFORMATION

Honours and awards

2002: scholarship winner at the Italian Secretariat of Medical Students and consequent International Clerkship at the Department of Neurosurgery of the Faculty Hospital of UPJŠ, Košice (Slovak Republic).

Publications

- **Lucchesi A**, Carloni S, Cangini D, Frassinetti GL, Casadei Gardini A. Acute Oxaliplatin-Induced Thrombotic Thrombocytopenic Purpura: A Case Report and Results From a Cytofluorimetric Assay of Platelet Fibrinogen Receptor. *Journal of Clinical Oncology*, 2013 Jun 1;31(16):2061-2.
- Casadei Gardini A, Carloni S, Scarpi E, Maltoni P, Dorizzi RM, Passardi A, Frassinetti GL, Cortesi P, Giannini MB, Marisi G, Amadori D, **Lucchesi A**. Prognostic role of serum concentrations of high-sensitivity C-reactive protein in patients with metastatic colorectal cancer: results from the ITACA trial. *Oncotarget*. 2016 Mar 1;7(9):10193-202.
- **Lucchesi A**, Fattori PP, Ronconi S, Carloni S, Casadei Gardini A, Musuraca G, Napolitano M. Atypical presentations of thrombotic thrombocytopenic purpura in middle-aged women with recurrent cerebral macrovascular thrombosis: a case report. *Ann Hematol*. 2015 Sep;94(9):1597-8.
- Musuraca G, De Matteis S, Napolitano R, Papayannidis C, Guadagnuolo V, Fabbri F, Cangini D, Ceccolini M, Giannini MB, **Lucchesi A**, Ronconi S, Mariotti P, Savini P, Tani M, Fattori PP, Guidoboni M, Martinelli G, Zoli W, Amadori D, Carloni S. IL-17/IL-10 double-producing T cells: new link between infections, immunosuppression and acute myeloid leukemia. *J Transl Med*. 2015 Jul 15;13:229.
- De Matteis S, Molinari C, Abbati G, Rossi T, Napolitano R, Ghetti M, Di Rorà AGL, Musuraca G, **Lucchesi A**, Rigolin GM, Cuneo A, Calistri D, Fattori PP, Bonafè M, Martinelli G. Immunosuppressive Treg cells acquire the phenotype of effector-T cells in chronic lymphocytic leukemia patients. *J Transl Med*. 2018 Jun 20;16(1):172.
- Napolitano R, De Matteis S, **Lucchesi A**, Carloni S, Cangini D, Musuraca G, Liardo EV, Norata M, Fattori PP. Pentoxifylline-Induced Apoptosis in Chronic Lymphocytic Leukemia: New Insights into Molecular Mechanism. *Mini Rev Med Chem*. 2018;18(3):287-294.
- Napolitano M, Valore L, Malato A, Saccullo G, Vetro C, Mitra ME, Fabbiano F, Mannina D, Casuccio A, **Lucchesi A**, Del Principe MI, Candoni A, Di Raimondo F, Siragusa S. Management of venous thromboembolism in patients with acute leukemia at high bleeding risk: a multi-center study. *Leuk Lymphoma*. 2016 Jan;57(1):116-119.
- Casadei Gardini A, Aquilina M, Oboldi D, **Lucchesi A**, Carloni S, Tenti E, Burgio MA, Amadori D, Frassinetti GL. Separate episodes of capillary leak syndrome and pulmonary hypertension after adjuvant gemcitabine and three years later after nab-paclitaxel for metastatic disease. *BMC Cancer*. 2013 Nov 12;13:542.
- Casadei Gardini A, Mariotti M, **Lucchesi A**, Pini S, Valgiusti M, Bravaccini S, Del Monte A, Burgio MA, Marisi G, Amadori D, Frassinetti GL. Paraneoplastic lipase and amylase production in a patient with small-cell lung cancer: case report. *BMC Cancer*. 2016 Feb 17;16:118.
- Casadei Gardini A, Chiadini E, Faloppi L, Marisi G, Delmonte A, Scartozzi M, Loretelli C, **Lucchesi A**, Oboldi D, Dubini A, Frassinetti GL, Ulivi P. Efficacy of sorafenib in BRAF-mutated non-small-cell lung cancer (NSCLC) and no response in synchronous BRAF wild type-hepatocellular carcinoma: a case report. *BMC Cancer*. 2016 Jul 7;16:429.
- Di Ianni M, Moretti L, Terenzi A, Bazzucchi F, Del Papa B, Bazzucchi M, Ciomelli R, **Lucchesi A**, Sportoletti P, Rosati E, Marconi PF, Falzetti F, Tabilio A. Activated autologous T cells exert an anti-B-

cell chronic lymphatic leukemia effect in vitro and in vivo. *Cytotherapy*. 2009;11(1):86-96.

- Palandri F, Catani L, Testoni N, Ottaviani E, Polverelli N, Fiacchini M, De Vivo A, Salmi F, **Lucchesi A**, Baccarani M, Vianelli N. Long-term follow-up of 386 consecutive patients with essential thrombocythemia: safety of cytoreductive therapy. *Am J Hematol*. 2009 Apr;84(4):215-20.
- Lapecorella M, Tabilio A, **Lucchesi A**, Napolitano M, Colagrande M, Di Ianni M, Mariani G. Evidence of jak2 val617phe positive essential thrombocythemia with splanchnic thrombosis during estrogenic treatment. *Blood Coagul Fibrinolysis*. 2008 Jul;19(5):453-7.
- Lapecorella M, Napolitano M, Tudini M, Bruera G, **Lucchesi A**, Giordano AV, Mariani G, Ricevuto E. Sorafenib as a feasible therapeutic option in haemophiliacs with hepatocellular carcinoma. *Haemophilia*. 2010 Jan;16(1):185-7.
- Lapecorella M, **Lucchesi A**, Di Ianni M, Napolitano M, Coletti G, Di Leonardo G, Dell'Orso L, Barnabei R, Mariani G. Unusual onset of venous thromboembolism and heparin-induced thrombocytopenia in a patient with essential thrombocythemia. *Blood Coagul Fibrinolysis*. 2010 Jan;21(1):85-90.
- De Stefano V, Za T, Rossi E, Vannucchi AM, Ruggeri M, Elli E, Micò C, Tieghi A, Cacciola RR, Santoro C, Gerli G, Guglielmelli P, Pieri L, Scognamiglio F, Rodeghiero F, Pogliani EM, Finazzi G, Gugliotta L, Leone G, Barbui T; GIMEMA Chronic Myeloproliferative Neoplasms Working Party. [Collaborators: Barbui T, De Stefano V, De Stefano V, Rossi E, Za T, Fiorini A, Leone G, Vannucchi AM, Guglielmelli P, Pieri L, Bosi A, Ruggeri M, Scognamiglio F, Rodeghiero F, Elli E, Pogliani EM, Micò C, Finazzi G, Barbui T, Tieghi A, Gugliotta L, Cacciola RR, Cacciola E, Giustolisi R, Santoro C, Mazzucconi MG, Gerli G, Caberlon S, Fontana G, Cattaneo M, Seràgnoli L, Seràgnoli A, **Lucchesi A**, Vianelli N.] Leukocytosis is a risk factor for recurrent arterial thrombosis in young patients with polycythemia vera and essential thrombocythemia. *Am J Hematol*. 2010 Feb;85(2):97-100.
- De Stefano V, Za T, Rossi E, Vannucchi AM, Ruggeri M, Elli E, Micò C, Tieghi A, Cacciola RR, Santoro C, Vianelli N, Guglielmelli P, Pieri L, Scognamiglio F, Cacciola E, Rodeghiero F, Pogliani EM, Finazzi G, Gugliotta L, Leone G, Barbui T; GIMEMA Chronic Myeloproliferative Neoplasms Working Party. [Collaborators: Barbui T, De Stefano V, Rossi E, Za T, Fiorini A, Leone G, Vannucchi AM, Guglielmelli P, Pieri L, Bosi A, Ruggeri M, Scognamiglio F, Rodeghiero F, Elli E, Pogliani EM, Micò C, Finazzi G, Barbui T, Tieghi A, Gugliotta L, Cacciola RR, Cacciola E, Giustolisi R, Santoro C, Mazzucconi MG, Seràgnoli A, **Lucchesi A**, Vianelli N.] Increased risk of recurrent thrombosis in patients with essential thrombocythemia carrying the homozygous JAK2 V617F mutation. *Ann Hematol*. 2010 Feb;89(2):141-6.
- Lapecorella M, Napolitano M, **Lucchesi A**, Pisani F, Clemente K, Rizza V, Famulari A, Aloisio L, Bernardi F, Pinotti M, Ferraresi P, Di Cocco P. Management of kidney transplantation in a factor VII-deficient patient: case report. *Transplant Proc*. 2012 Sep;44(7):2033-5.

For further information:

Google Scholar: <http://goo.gl/D5FyN>

ResearchGate: https://www.researchgate.net/profile/Alessandro_Lucchesi

ORCID iD: <http://orcid.org/0000-0002-0624-5311>

Presentations **Conference speaker and/or moderator in about 30 national and international events.**

Main poster presentations:

- Mariani G, Lucchesi A, Lapecorella M, Napolitano M, Donati MB. Thrombosis in congenital coagulation disorders: is it really a rare event? *Haemophilia* (2008), 14 (Suppl. 2): 13 PO 19 at the World Congress of Haemophilia, Istanbul, Turkey.
- Lucchesi A, Fattori PP, Ronconi S, Giannini MB, Ceccolini M, Cangini D and Musuraca G. Atypical thrombotic thrombocytopenic purpura may not be so uncommon in young and middle-aged women with recurrent thrombosis and thrombocytopenia. *Haematologica* (2013 / S3). P112 at the 44th Congress of the Italian Society of Hematology, Verona, Italy.
- Lucchesi A, Carloni S, De Matteis S, Napolitano R, Napolitano M, Fattori P., Giannini MB, Ceccolini M, Musuraca G. Incremento dell'espressione del recettore piastrinico del fibrinogeno in pazienti affetti da neoplasie mieloproliferative croniche Philadelphia negative in profilassi con acido acetilsalicilico. P082 al 13^o congresso della Società Italiana di Ematologia Sperimentale.

- Lucchesi A, Nanni O, Casadei Gardini A. Sucrosomial iron plus ascorbic acid in the management of anemia of inflammation in anal cancer patients (SURPLACE): a phase 4 trial. P-006 at the 6th International Multidisciplinary Course on Iron Deficiency, Lisbon, Portugal, 13/04/2018.
- Lucchesi A, Carloni S, Ghetti M*, De Matteis S, Musuraca G, Augello AF*, Fattori PP, Martinelli G and Napolitano R. Unexpected Low Expression of Platelet Fibrinogen Receptor in Patients with Chronic Myeloproliferative Neoplasms: How Does It Change with Aspirin? Poster #1794, Session: 635. Myeloproliferative Syndromes: Basic Science. ASH Annual Meeting, San Diego, USA, 01/12/2018.

Active projects

- Rotational thromboelastometry (ROTEM) and thrombin generation assay (TGA) for the assessment of hypercoagulable states in chronic myeloproliferative neoplasms, with respect to different genetic determinants of disease.
- "STRETCH" (STRategies for the EvaluaTion of Cardiotoxicity in Hematology)
- Creation of a collaborative network on Myelofibrosis (big data collection of biological markers)

Memberships

A.I.Pa.C.Me.M. (Italian Association of Clinical Pathology and Molecular Medicine) - Feb 2011 to Feb 2012.

Italian Society of Experimental Hematology (SIES).

Italian Platelet Study Group (GSP).

References

- Prof. Guglielmo Mariani, Professor of Haematology (University of Westminster, Università LUdeS di Lugano)
- Dr. Nicola Vianelli, Istituto di Ematologia ed Oncologia Medica "L. e A. Seràgnoli", Policlinico S.Orsola-Malpighi Via Massarenti, 9 – Bologna, Italy
- Dr. Giovanni Luca Frassinetti, Direttore SC Oncologia Medica, Istituto Scientifico Romagnolo per lo Studio e la Cura dei Tumori (IRST) IRCCS, Meldola (FC), Italy