

PERSONAL INFORMATION



Ilaria Morelli

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WORK EXPERIENCE

01/11/2017

Resident Physician

Department of Trauma Surgery, I.R.C.C.S. Galeazzi Orthopaedic Institute, Milan (Italy)

Clinical, surgical and research activities (main field: Trauma surgery)

- ER service

01/05/2017–31/10/2017

Resident Physician

Department of Orthopaedic Oncology and Spine Reconstructive Surgery C.C.O.O.R.R. Unit, I.R.C.C.S. Galeazzi Orthopaedic Institute, Milan (Italy)

Clinical, surgical and research activities (main field: Orthopedic Oncology)

- ER service

02/11/2016–30/04/2017

Resident Physician

Department of Paediatric Orthopaedics, I.R.C.C.S. Galeazzi Orthopaedic Institute, Milan (Italy)

Clinical, surgical and research activities (main fields: Paediatric Orthopaedics)

- ER service

02/11/2015–01/11/2016

Resident Physician

Department of Reconstructive Surgery of Osteo-articular Infections C.R.I.O. Unit, I.R.C.C.S. Galeazzi Orthopaedic Institute, Milan (Italy)

- Clinical, surgical and research activities (main fields: Bone and Periprosthetic Joint Infections, Hand Surgery, Knee Surgery and Arthroscopy)

- ER service

03/2015–11/2015

General Practitioner substitute

Oreste Morelli, MD, Casamassima (Italy)

Occasional substitutions

Activities: diagnosis, therapy prescription and certification.

Main fields: cardiology, pneumology, orthopaedics, infectious diseases.

11/2014–06/2015

Volunteer physician

Orthopaedics and Trauma Department, San Raffaele Biomedical Park, Milan (Italy)

Traineeship in ORs, ER, outpatient clinic and Orthopaedics and Trauma Surgery ward (especially the Hand surgery Unit).

EDUCATION AND TRAINING

- 02/11/2015–Present **Residency program in Orthopedics and Trauma Surgery**
University of Milan, Milan (Italy)
- 11/04/2018–13/04/2018 **2° Advanced Course in Microsurgical Techniques**
University of Milan, Milan (Italy)
Lectures (2 hours) and practical exercises (28 hours, with microscopes) in microsurgical sutures on nerves and vessels (different sizes) from human cadavers.
- 01/11/2014–31/01/2015 **Italian Medical Board Qualifying Exam (passed with full marks)**
San Raffaele Biomedical Park, Milan (Italy)

 - Traineeships in the Oncology department, in the General Surgery and Emergency department and in a General Practitioner surgery (1 month each).
 - Italian Medical Board Qualifying Exam (passed with full marks on February 5th 2015)
 - On the Medical Register - province of Milan (n° 44042) from February 17th 2015.
- 10/2008–18/07/2014 **Medical degree (summa cum laude)** EQF level 7
Vita-Salute San Raffaele University, Milan (Italy)
Main areas of interest: Hand Surgery, Orthopaedics, Traumatology, Disaster Medicine.
Internships:

 - 1) Orthopaedics and Trauma department (September 2009 - July 2014).
 - 2) "Tissue Engineering and Biomaterials" research lab (October 2009 - July 2012).
 - 3) Other departments (3 weeks at least): Urology, Ophthalmology, Hepatic Surgery, Transplant Medicine, Internal medicine - Oncology.
 Degree thesis: "Clinicopathological evaluation and immunohistochemical study of Dupuytren's disease".
- 09/2003–07/2008 **High School - Classical education (summa cum laude)** EQF level 4
Liceo Classico Domenico Morea, Conversano (Italy)
Classical humanities.

PERSONAL SKILLS

Mother tongue(s) Italian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	C1	B2	B2	C1
French	A1	B1	A1	A1	A2

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 Excellent communication and contact skills (empathy and identification) gained through clinical and academic activities with patients and co-workers.

Organisational / managerial skills Good organisational and team-leading skills, excellent team-working and problem-solving skills, gained through several team works and publications during the undergraduate and post-graduate periods.

Job-related skills ■ Good clinical skills, especially concerning musculoskeletal diseases (excellent clinical skills)

regarding hand-wrist diseases), gained through the current residency program in Orthopedics and Trauma Surgery (IRCCS Galeazzi Orthopedic Institute) and during a 5-years undergraduate internship and a 6-months graduate traineeship in the Orthopaedics and Trauma Department (ER, ORs, outpatient clinic, ward), San Raffaele Biomedical Park, Milan.

- Other skills, gained through various undergraduate and graduate traineeships: taking venous and arterial blood samples; preparation of plaster casts and bandaging; giving intramuscular, hypodermic, intra-dermal injections; insertion of bladder catheters; performing simple and complex wound dressing; good command of skin surgical suture techniques (simple interrupted stitches, vertical and horizontal mattress stitches, subcuticular running suture); good command of Basic Life Support.

Digital skills

- Good command of Office suite (Word, Powerpoint, Excel, Outlook), iWork (Pages, Numbers, Keynote), Adobe Acrobat Pro.
- Good command of the statistic software SPSS.
- Good command of operating systems produced by Apple (Mac OS X) e Microsoft (Windows 95, 98, XP, Vista, 7, 8).
- Good command of several Social Networks (Facebook, Twitter, LinkedIn, Medbox, ResearchGate, Skype, Orcid).
- Good command of the main scientific search engines (Google Scholar, PubMed, Cochrane Library, etc).

Other skills

- Kick boxing: Yellow belt - WFC.
- Swimming: 1st Higher level - FIN.
- Karate: orange belt FIJKAM, Kata specialty.
- Futsal: Milan University Championship, seasons 2012-2013 e 2013-2014 (Vita-Salute San Raffaele University team).

Driving licence AM, B

ADDITIONAL INFORMATION

Publications

■ Journal articles:

- 1) [Morelli I](#), Sabbadini MG, Bortolin M, *Orthopedic Injuries and Their Treatment in Children During Earthquakes: A Systematic Review*. , Prehosp Disaster Med. 2015 Oct;30(5):478-85. doi: 10.1017/S1049023X15004951. Epub 2015 Aug 19. PMID 26286704
- 2) Logoluso N, Drago L, Gallazzi E, George DA, [Morelli I](#), Romanò CL, *Calcium-Based, Antibiotic-loaded Bone substitute as an Implant Coating: A pilot clinical study*, J Bone Joint Inf 2016; 1: 54-8.
- 3) Romanò CL, Romanò D, [Morelli I](#), Drago L, *The Concept of Biofilm-Related Implant Malfunction and "Low-Grade Infection"*, Adv Exp Med Biol 2016; Oct 19. Epub ahead of print.
- 4) Romanò CL, De Vecchi E, Bortolin M, [Morelli I](#), Drago L, *Hyaluronic Acid and Its Composites as a Local Antimicrobial/Anti-adhesive Barrier*, J Bone Joint Inf 2017, 2(1): 63-72
- 5) [Morelli I](#), Drago L, George DA, Gallazzi E, Scarponi S, Romanò CL., *Masquelet technique: myth or reality? A systematic review and meta-analysis*, Injury 2016, 47 S6: S68-S76
- 6) Bortolin M, [Morelli I](#), Voskanyan A, Joyce NR, Ciottoni GR, *Earthquake-related orthopedic injuries in adult population: a systematic review*, Prehosp Disaster Med 2017, 30: 1-8
- 7) [Morelli I](#), Drago L, George DA, Romanò D, Romanò CL, *Managing large bone defects in children: a systematic review of the "induced membrane technique"*. J Pediatr Orthop B. 2017 Mar 31. doi: 10.1097/BPB.0000000000000456.
- 8) [Morelli I](#), Frascini G, Banfi A, *Dupuytren's Disease: Predicting Factors and Associated Conditions. A Single Center Questionnaire-Based Case-Control Study*. Arch Bone Jt Surg 2017, 5(6):383-393, doi: 10.22038/ABJS.2017.21022.1542
- 9) Romanò CL, [Morelli I](#), Romanò D, Meani E, Drago L, *ICS classification system of infected*

osteosynthesis: Long-term results., Injury 2018, 49 (3):564-569. doi: 10.1016/j.injury.2018.01.002

10) Trentinaglia MT, Van Der Straeten C., Morelli I, Logoluso N, Drago L, Romanò CL, *Economic Evaluation of Antibacterial Coatings on Healthcare Costs in First Year Following Total Joint Arthroplasty*, J arthroplasty 2018, online from February 10th 2018, doi: 10.1016/j.arth.2018.01.057

11) Romanò CL, Trentinaglia MT, De Vecchi E, Logoluso N, George DA, Morelli I, Drago L, *Cost-benefit analysis of antibiofilm microbiological techniques for peri-prosthetic joint infection diagnosis*, BMC Infect Dis 2018, 18 (1):154. doi: 10.1186/s12879-018-3050-8.

■ Book chapters:

1) Morelli I, Bortolin M, "Chapter 193: "Aircraft Crash into a High-Rise Building" In Ciottone G, editor, "Ciottone's Disaster Medicine", 2nd Edition, 2015, Elsevier Saunders, Philadelphia.

2) Romanò CL, Gallazzi E, Scarponi S, Morelli I, Drago L, "Chapter 9.1: Antibacterial Coating of Implants in Orthopaedics and Trauma", in Kühn KD (editor), "Management of Periprosthetic Joint Infection", 2018, Springer, Springer-Verlag GmbH, Berlin.

■ Congress abstracts:

1) Bortolin M, Morelli I, "ID P4-1- After-amputation care in earthquake settings: may private investors take charge of rehabilitation needs?", poster for the 12th Asia Pacific Conference on Disaster Medicine, September 18th 2014.

2) Bortolin M, Morelli I, Joyce N, Wood S, Volkovskaya A, Ciottone GR, "ID P6-5 - Fractures in earthquake scenarios: a systematic medical review", poster for the 12th Asia Pacific Conference on Disaster Medicine, September 18th 2014.

3) Bortolin M, Morelli I, Joyce N, Wood S, Volkovskaya A, Ciottone GR, "Orthopedics and earthquakes", poster for the 18th Annual New England Regional SAEM Meeting, New Haven (CT), USA, March 26th 2014.

4) Bortolin M, Morelli I, Sabbadini MG, "ID #322 - From Marmara to Haiti: an analysis of orthopedic injuries and treatment in children during earthquakes", oral presentation for the 18th World Congress on Disaster & Emergency Medicine, Manchester, United Kingdom, May 28th 2013.

5) Morelli I, Drago L, George DA, Gallazzi E, Scarponi S, Romanò CL, *O22- Masquelet technique: a systematic review thirty years after its introduction*, oral presentation for the 15th annual meeting EBJIS, September 1st 2016, Oxford (UK), speaker.

6) Trentinaglia MT, Drago L, Logoluso N, Morelli I, Romanò CL, *O45- Cost-to-benefit evaluation of antibiofilm microbiological diagnostic techniques in orthopaedics*, oral presentation for the 15th annual meeting EBJIS, September 1st 2016, Oxford (UK).

7) Gallazzi E, Logoluso N, George DA, Morelli I, Drago L, Romanò CL, *P41- Calcium-based, antibiotic-loaded bone substitute as an implant coating: a pilot clinical study*, poster for the 15th annual meeting EBJIS, September 1st-3rd 2016, Oxford (UK).

8) Morelli I, Gallazzi E, Logoluso N, Scarponi S, Drago L, Romanò CL, *Does single stage prosthesis replacement with antibacterial coating provide the same results as two-stage procedures? A pilot clinical study*, oral presentation for the 6th Thesinge Biofilm Meeting, September 12th-13th 2016, Thesinge, Netherlands, speaker.

9) Logoluso N, Drago L, Gallazzi E, Morelli I, De Vecchi E, Romanò CL, *Treatment with dithiothreitol improves bacterial recovery from tissue samples in osteoarticular and joint infections*, poster for the DKOU 2016, Berlin, Germany, October 26th 2016.

10) Romanò D, Romanò CL, Morelli I, Logoluso N, *Infezioni e fratture periprotetische: soluzioni e possibili classificazioni*, oral presentation for the 101st SIOT national congress, Torino, October 30th 2016.

11) Morelli I, Gallazzi E, Romanò CL, *Tecnica di Masquelet: una review sistematica a trent'anni dalla sua introduzione.*, oral presentation for the 101st SIOT national congress, Torino, October 30th 2016, speaker.

12) Gallazzi E, Scarponi S, Morelli I, George D, Drago L, Romanò CL, *Fattori di rischio e infezioni peri-protetische: revisione sistematica della letteratura e sviluppo della "PJI RISK" App.*, oral presentation for the 101st SIOT national congress, Torino, October 30th 2016.

13) Morelli I, Drago L, Scarponi S, Romanò CL, *Valutazione costo/beneficio delle moderne tecniche di diagnosi microbiologica con sistemi antibiofilm*, oral presentation for the 101st SIOT national congress, Torino, October 30th 2016, speaker.

14) Morelli I, Scarponi S, Logoluso N, Romanò D, Romanò CL, *Studio prospettico randomizzato*

caso-controllo sull'utilizzo del rivestimento antibatterico a base di idrogel DAC sui mezzi di sintesi: risultati con un follow-up minimo di 2 anni, oral presentation for the 4th AISOT national congress, Parma, May 27th 2017, speaker.

15) Trentinaglia MT, Van Der Straeten C, Morelli I, Logoluso N, Drago L, Romano' CL, *Economic evaluation of antibacterial coatings on healthcare costs following total joint arthroplasty*, poster for the 36th annual meeting EBJS, Nantes, September 7th-9th 2017.

16) Ravier D, Morelli I, Buscarino V, Sconfienza LM, Spreafico A, Curci D, *Fratture terzo distale di avambraccio in età pediatrica: fattori predittivi di scomposizione in gesso*, oral presentation for the XIX SITOP congress, Genova, September 21st 2017

17) Curci D, Morelli I, Luceri F, Ravasio G, Ravier D, Sinicato CM, *Protesi totale di anca in età adolescenziale: report in due casi*, E-poster for the XIX SITOP congress, Genova, September 21st-23th 2017

18) Scarponi S, Morelli I, Romanò D, *Fratture-lussazioni trapezio-metacarpali: presentazione di un caso e revisione della letteratura*, oral presentation for the 55th SICM congress, October 12th 2017

19) Romanò D, Morelli I, Scarponi S, Romanò CL, *Rivestimento antibatterico per ridurre le infezioni chirurgiche nell'osteosintesi interna: risultati a medio termine di uno studio multicentrico randomizzato*, oral presentation for the 55th SICM congress, October 13th 2017

20) Scarponi S, Romanò D, Morelli I, Romanò CL, *Diagnosi e gestione dell'infezione periprotetica di spalla: la nostra esperienza*, oral presentation for the 55th SICM congress, October 13th 2017

21) Ravier D, Morelli I, Buscarino V, Sconfienza LM, Spreafico A, Curci D, *Trattamento conservativo delle fratture di avambraccio distale in età pediatrica: quale indice predice meglio la scomposizione secondaria?*, oral presentation for the 102nd SIOT national congress, Palermo, October 21st 2017

22) Romanò CL, Trentinaglia MT, Logoluso N, Morelli I, Drago L, *Cost-benefit analysis of antibacterial coatings of joint prosthesis*, oral presentation for the 102nd SIOT national congress, Palermo, October 23rd 2017

23) Trentinaglia MT, Romanò CL, De Vecchi E, Logoluso N, George D, Morelli I, Drago L, *Cost-benefit analysis of antibiofilm microbiological techniques for peri-prosthetic joint infection diagnosis*, oral presentation for the 38th SICOT Orthopaedic World Congress, Cape Town, South Africa, December 1st 2017

24) Morelli I, Ravier D, Buscarino V, Sconfienza LM, Spreafico A, Curci D, *Plaster cast treatment for distal forearm fractures in children: which index best predicts re-displacements*, oral presentation for the

JAM session of the 38th SICOT Orthopaedic World Congress, Cape Town, South Africa, December 1st 2017, speaker

25) Trentinaglia MT, Romanò CL, Logoluso N, Morelli I, Drago L, *Cost-benefit analysis of antibacterial coatings of joint prosthesis*, e-poster for the 38th SICOT Orthopaedic World Congress, Cape Town, South

Africa, November 30th- December 2nd 2017

26) Curci D, Sinicato C, Morelli I, Luceri F, Ravasio G, Ravier D, *Total hip arthroplasty for juvenile hip osteoarthritis in adolescence: two case reports*, e-poster for the 38th SICOT Orthopaedic World Congress, Cape Town, South Africa, November 30th- December 2nd 2017

27) Ravier D, Morelli I, Cugini A, Preda A, Verdoni F, Curci D, *Does a relationship between BMI, flexible flatfoot and idiopathic genu valgum in paediatric patients really exist?*, oral presentation for the JAM session of the 39th SICOT Orthopaedic World Congress, Montreal, Canada, October 12th 2018

28) Ravier D, Morelli I, Cugini A, Preda A, Verdoni F, Curci D, *Does a relationship exist between paediatric flexible flatfoot, BMI and idiopathic genu valgum? An observational study on young soccer players*, e-poster for the 39th SICOT Orthopaedic World Congress, Montreal, Canada, October 10th-13th 2018.

29) Ravier D, Morelli I, Brugali A, Serafin A, Verdoni F, Curci D, *Does paediatric flexible flatfoot affect the sport level during the paediatric age? An observational study*, e-poster for the 39th SICOT Orthopaedic World Congress, Montreal, Canada, October 10th-13th 2018.

■ Consensus documents:

1) Oussedik S, Tapasvi S, Ravier D, Morelli I, Patil S, Balaji MK, *Question 4: What is the best method for allograft sterilization that minimizes the incidence of postoperative infections and mechanical weakening of the graft?*, contribution to the Sport - Prevention chapter of the 2018 consensus document on periprosthetic joint infections, 2nd International Consensus Meeting on Musculoskeletal

Infections, Philadelphia (USA)

2) Oussedik S, Kevin P, Morelli I, Ravier D, Patel N, *Question 2: What diagnostic "algorithm" should be used to diagnose infection following ACL reconstruction?* contribution to the Sport - Diagnosis chapter of the 2018 consensus document on periprosthetic joint infections, 2nd International Consensus Meeting on Musculoskeletal Infections, Philadelphia (USA)

Conferences and Seminars

Speaker:

- 15th annual meeting EBJS, September 1st-3rd 2016, Oxford (UK).
- 6th Thesinge Biofilm Meeting, September 12th-13th 2016, Thesinge, Netherlands.
- 101st SIOT national congress, Torino, October 28th-31st 2016.
- 4th AISOT national congress, Parma, May 27th 2017.
- 38th SICOT Orthopaedic World Congress, November 30th - December 2nd 2017, Cape Town, South Africa

Auditor:

- All around the wrist: intra-carpal injuries. Update and technical skills. Istituto Ortopedico Gaetano Pini, Milan, March 21st-22nd 2013.
- Master Class SIGASCOT Cartilage and Sport, Istituto Clinico Humanitas, Rozzano (MI), May 31st 2013.
- XVII SLOTO - Complex trauma in the lower limb, Ospedale Luigi Sacco, Milan, November 30th 2013.
- Hip replacement for young orthopaedic surgeons, Ospedale San Raffaele, Milan, June 13th 2014.
- Joint overload and sports - From prevention to legal arguments, EdiArtes, Milan, February 27th 2015.
- Italian-Swiss conference - Proximal humeral fractures, University of Milan, November 20th 2015.
- Hands-on cartilage laboratory course, San Raffaele Hospital, Milan, April 21th-22th 2016.
- External fixation in paediatric orthopaedics nowadays, Gaetano Pini Orthopaedic Institute, Milan, May 6th 2016.
- Orthospritz - Up to date in knee surgery: anterolateral ligament and meniscal roots: facts or fiction, Unione Commercianti, Milan, May 20th 2016.
- The wrist day, 2^o edition . Degenerative carpal disease, Gaetano Pini Orthopaedic Institute, Milan, May 26th 2016.
- Orthoforum Hip revision: comparing philosophies, Palazzo Trecchi, Cremona, June 10th 2016.
- Research day in reconstructive microsurgery, Gaetano Pini Orthopaedic Institute, Milan, March 9th 2017.
- Regional course SIFE - Theoretical and practical basic course on external fixation, Gaetano Pini Orthopaedic Institute, Milan, March 24th 2016.
- Paediatrics 2017: from theory to practice - Orthopaedics and Traumatology for family paediatricians Lab, Centro Ambrosiano, Milan, May 26th 2017 ▪ 2nd European Orthopedic FORTE Summer School, Faro (PT), August 28th -September 1st 2017
- ▪ 48th Symposium "Allievi Oscar Scaglietti", Grand Hotel Visconti, Milan, October 13th 2018

Memberships

Member of the following scientific societies: SICOT, SIOT, SIGASCOT, AISOT, WAIOT.

Clinical Trials

Co-investigator for the Heraeus clinical trial HM-KS-1101 (2016)