

EDUCATIONAL AND PROFESSIONAL CURRICULUM OF PROF Filippo Boriani

April 2025

Pursuant to and for the purposes of art. 46 and 47 of Presidential Decree no. 445/2000, the undersigned declares the following:

PERSONAL DATA

Surname and Name Boriani Filippo

E-mail and PEC borianifilippo@gmail.com filippo.boriani.q34z@bo.omceo.it

Nationality: Italian

ACADEMIC AND EDUCATIONAL QUALIFICATIONS

1. Degree summa cum laude in Medicine and Surgery at Alma Mater Studiorum – University of Bologna in 2002
2. Master's Degree in Excision and Reconstructive Surgery in Craniofacial Surgery with particular reference to microsurgical techniques at Alma Mater Studiorum – University of Bologna in 2003
3. Specialization summa cum laude in Plastic Reconstructive Surgery at the University of Turin in 2009, with experimental thesis on cadaver: vascular topographic anatomy of leg perforating flaps at the Institute of Anatomy, University of Nice, France.
4. PhD in Biomedical Sciences in Orthoplastic Surgery at Alma Mater Studiorum – University of Bologna in 2015
5. *European Board of Plastic Reconstructive and Aesthetic Surgery (EBOPRAS)* European recognition of a cognitive and technical standard in the field of plastic surgery issued by *the Union Européenne médecines Spécialisées (UEMS)*. Marseille, France, November 2012

6. *European Board of Hand Surgery (EBHS)* European recognition of a cognitive and technical standard in the field of hand surgery issued by *the Union Européenne médecines Spécialisées (UEMS)*. Brescia, Italy, June 2015
7. National Scientific Qualification of I Level, Scientific Sector Plastic Surgery since 09/07/2020, issued by the Italian Ministry of University and Research (MUR)
8. National Scientific Qualification of II Associate Scientific Sector Plastic Surgery since 16/09/2018, issued by the Italian Ministry of University and Research (MUR)
9. Registered in the "Specialist register" of the *General Medical Council* (Order of Doctors of the United Kingdom) as a plastic surgeon since 2009.

ADVANCED COURSES

1. May 2023 at IFO, Rome, Italy, fourth Masterclass "Electrochemotherapy clinical training course"
2. May 2017 Bologna, Italy, GIMBE (Italian Group of Evidence-Based Medicine) course "Leadership in Healthcare"
3. March 2003, University of Rome La Sapienza, Italy: practical course in experimental microsurgery. Training in vascular and nerve anastomoses on rats.
4. June 2003, University of Ancona, Italy: practical course in experimental microsurgery. Training in vascular and nervous anastomoses on turkeys ex vivo.
5. November 2005, University of Udine, Italy: practical course in microsurgery
6. December 2005, University of Liège, Belgium: practical course on flap cadavers and body remodeling

7. March 2005, University of Paris, France: Cadaver Practical Course in Head & Neck Surgery
8. October 2006, Pontifical Catholic University, Rio de Janeiro, Brazil: open rhinoplasty course with particular reference to the correction of cleft lip and palate outcomes
9. October 2007, University of Barcelona, Spain: Cadaver Practical Course on Head & Neck Reconstructive and Aesthetic Surgery
10. September-October 2009, Swansea, UK: ATLS and CRISP courses "*Advanced Trauma Life Support*" and "*Care of the Critically Ill Surgical Patient*" issued by "*Swansea NHS Trust*" (Swansea Health Unit, UK).
11. May 2010, Hand Fracture Fixation Course issued by *North Bristol NHS Trust* (Bristol Health Unit, UK)
12. April-May 2013, IRCCS - Rizzoli Orthopaedic Institute, Bologna, Italy: course on Research Methodology, directed by Prof Cartabellotta
13. January 2016 SICPRE Rome, Italy, Gluteoplasty augmentation course with Prof Spirito
14. November 2016 SICPRE Rome, Italy, Rhinoplasty course with Prof Bruschi

TYPE OF INSTITUTIONS IN WHICH I HAVE PRACTICED AND TYPE OF SERVICES PROVIDED

Current position: since 02/12/2024, on leave from the University of Cagliari, I work as a Consultant Orthoplastic Surgeon at Plastic Surgery Department, Southmead Hospital, North Bristol NHS Trust, Bristol, United Kingdom. I work as a plastic surgeon in an apical position, with particular interest in traumatology and reconstructive microsurgery of the limbs.

1. Public Administration: University of Cagliari, at AOU Cagliari, Policlinico Monserrato, S.S. 554 Km 4,500, Monserrato Cagliari: clinical activities (AOU Cagliari) and didactic-scientific activities (University of Cagliari), in the whole field of medicine and surgery as provided for in Italian university hospitals. Elective, trauma and emergency multi-specialist medical-surgical activity. Second-level hub. Teaching in the Master's Degree Course in Medicine and Surgery and in the Schools of Specialization and biomedical, clinical and translational research activities.
2. Public Administration: Ancona University Hospital, via Conca 71, Ancona, Italy: assistance and teaching-scientific activities under the responsibility of the Polytechnic University of Marche in the entire field of medicine and surgery as provided for in Italian university hospitals. Elective, trauma and emergency multi-specialist medical-surgical activity. Second-level hub. Reference center for all pathologies and traumas in the Marche Region. Tutoring to plastic surgery and orthopedics residents. Biomedical, clinical and translational research activities.
3. Public Administration: ASL1 Imperiese, Sanremo Hospital (IM), SS 1, 97 Sanremo (IM) 18038, Italy: elective, traumatological and emergency medical-surgical assistance activities in the plastic medical and surgical specialist areas. Breast Unit that complies with EUSOMA quality guidelines. Tutoring to general surgery residents.
4. Institution accredited with the National Health Service: Villa Regina, via Castiglione, 135 Bologna 40136, Italy: mainly elective and occasionally emergency medical-surgical assistance activities in the plastic medical and surgical specialist areas.
5. Private institution: Gruppioni Hospital, via Zena, 117 Pianoro (BO) 40068, Italy: mainly elective plastic medical-surgical assistance activity and occasionally emergency in the specialist areas. Regional reference center for post-traumatological and neurological rehabilitation.
6. Institution accredited with the National Health Service: Koelliker Hospital corso G. Ferraris 247 Turin, Italy: mainly elective and occasionally emergency medical-surgical assistance activity in the plastic medical and surgical specialist areas. Reference center for post-traumatological and neurological rehabilitation.
7. Public Administration (IRCCS): Rizzoli Orthopaedic Institute via Pupilli, 10 Bologna 40136, Italy: assistance and teaching-scientific activities under the responsibility of the IRCCS itself (directly dependent on the Ministry of Health) and the Alma Mater Studiorum - University of Bologna in the field of orthopaedics, physiatry, rheumatology, bone and soft tissue oncology

(sarcomas), orthoplastic and hand surgery, peripheral nervous system surgery, general and thoracic surgery. Clinical-care, surgical and scientific reference center of international importance. Elective, traumatological and emergency medical-surgical activity. Second-level hub. Schools of Specialization in Orthopedics and Physiatry and biomedical, clinical and translational research activities.

8. Institution accredited with the National Health Service: Hospital Piccole Figlie, via Po, 1 Parma (PR) 43125, Italy: mainly elective and occasionally emergency medical-surgical assistance in the plastic medical and surgical specialist areas.

9. Public Administration: *University Hospital of Durham under the Durham and Darlington NHS Trust, Durham, Hollyhurst road, Darlington DL3 6HX*, United Kingdom: assistance and teaching activities for doctors in training employed by the British Health System, in the whole field of medicine and surgery in a way that is completely equivalent to Italian university hospitals. Elective, trauma and emergency multi-specialist medical-surgical activity. Burn center. Second-level hub. Tutoring plastic surgery residents.

10. Public Administration: *Frenchay Hospital under North Bristol NHS Trust, Frenchay Park Road, Bristol*, United Kingdom: assistance and teaching activities for doctors in training hired by the British Health System, in the whole field of medicine and surgery in a way that is completely equivalent to Italian university hospitals. Elective and emergency multi-specialist medical-surgical activity. Second-level hub. Major burns centre of reference for the British South West for adults and children. Tutoring plastic surgery residents.

11. Public Administration: ASL TO2, Maria Vittoria Hospital, Via Luigi Cibrario, 72, 10144 Turin TO, Italy: assistance activities in the entire field of medicine and surgery in a way equivalent to Italian university hospitals. Elective and emergency multi-specialist medical-surgical activity. Second-level hub. Reference center for Hand Surgery.

12. Public Administration: IRCCS Company/Body, AOU of Bologna, Policlinico S. Orsola-Malpighi, via Massarenti, 9, Bologna 40138: assistance activities in the entire field of medicine and surgery as provided for in Italian university hospitals. Elective, trauma and emergency multi-specialist medical-surgical activity. Second-level hub. Master's Degree Course in Medicine and Surgery, Specialisation Schools and biomedical, clinical and translational research activities.

WORK EXPERIENCE

Current position: since 02/12/2024, on leave from the University of Cagliari, I work as a Consultant Orthoplastic Surgeon at Plastic Surgery Department, Southmead Hospital, North Bristol NHS Trust, Bristol, United Kingdom. He worked as a plastic surgeon in an apical position, with particular interest in traumatology and reconstructive microsurgery of the limbs.

1. Public Administration: University of Cagliari Company/Institution, at AOU Cagliari, Policlinico Monserrato, S.S. 554 Km 4,500, Monserrato Cagliari from 01/03/2024 to date with the qualification of Associate Professor in the discipline of Plastic Surgery with a full-time employment relationship and 40 hours per week. Task of plastic and hand surgeon, with particular interest in the field of autologous breast reconstructive surgery (DIEP and PAP flaps) and based on prostheses, university lecturer at all levels of medical training and with interim managerial functions, given the absence in command of the director of Complex Structure since August 2022.

2. Public Administration: University of Cagliari from 01/03/2021 to 29/02/2024 with the qualification of Type B Researcher, fixed-term Plastic Surgery discipline with full-time employment and 40 hours per week. Task of plastic and hand surgeon, with particular interest in the field of autologous breast reconstructive surgery (DIEP and PAP flaps) and based on prostheses, university lecturer at all levels of medical training and with managerial functions, given the absence in command of the director of Complex Structure since August 2022). Cause for termination of the employment relationship: natural end of the contract.

3. Public Administration: University Hospital of Ancona, via Conca 71, Ancona from 16/05/2020 to 28/02/2021 with the qualification of Fixed-term Medical Director in the discipline of Plastic Surgery with full-time employment and 38 hours per week as well as many hours of availability. Cause for termination of the employment relationship: employment at the University of Cagliari. Task of plastic and hand surgeon, mainly first surgeon, also on call.

4. Public Administration: ASL1 Imperiese, Ospedale di Sanremo (IM) SS 1, 97 Sanremo (IM) 18038, from 10/06/2019 to 15/05/2020 with the qualification of Fixed-term Medical Director in the discipline of Plastic Surgery with full-time employment and 38 hours per week. Referring physician in the local Breast Unit for post-oncological breast reconstructive surgery. He works as a plastic surgeon for breast reconstruction, oculoplastic surgery, traumatological plastic surgery and for soft

tissue infections and other areas of reconstructive and aesthetic plastic surgery. Cause for termination of the employment relationship: employment at the Ancona Polyclinic

5. Institution accredited with SSN (Italian NHS): Villa Regina, via Castiglione, 135 Bologna 40136 from 01/12/2017 to 08/06/2019 with the qualification of specialist plastic surgeon with a free-lance assignment. Activities in all areas of Plastic Reconstructive and Aesthetic Surgery. Hand Surgery. Part-time (30%). Cause for termination of the employment relationship: employment at ASL1 Imperiese.

6. Private institution: Gruppioni Hospital, via Zena, 117 Pianoro (BO) 40068 from 31/12/2017 to 08/06/2019 with the qualification of specialist plastic surgeon with a free-lance assignment in Plastic Reconstructive and Aesthetic Surgery. Hand Surgery. Part-time (50%). Director of the Hand Surgery and Microsurgery Service. Creation and promotion of a new microsurgical service. Cause for termination of the employment relationship: employment at ASL1 Imperiese.

7. Accredited body with SSN: Koelliker Hospital course G. Ferraris 247 Turin from 11/10/2016 to 30/12/2017 with the qualification of specialist plastic surgeon with a fixed-term freelance professional assignment. Plastic Reconstructive and Aesthetic Surgery. Hand Surgery. Part-time (50%). Director of the Division of Plastic and Hand Surgery. Plastic Reconstructive and Aesthetic Surgery. Hand Surgery. Assignment of creation and organization of a new operating unit of plastic, reconstructive and aesthetic surgery and hand surgery. Cause for termination of the employment relationship: natural end of the contract.

8. Public Administration (IRCCS): Rizzoli Orthopaedic Institute via Pupilli, 10 Bologna 40136 from 16/03/2016 to 31/12/2016 with the qualification of Plastic Surgeon with atypical contract with VAT number, discipline Plastic Surgery with a fixed term, timetable based on the implementation of the research project. Preclinical research activity in the field of microsurgery and regeneration of the peripheral nervous system. Cause for termination of the employment relationship: natural end of the contract.

9. Public Administration (IRCCS): Rizzoli Orthopaedic Institute via Pupilli, 10 Bologna 40136 from 06/03/2015 to 05/03/2016 with the qualification of Plastic Surgeon with an atypical contract with VAT number, fixed-term Plastic Surgery discipline, timetable based on the implementation of the care project, consisting in the creation of an outpatient and hospitalization activity in the field of plastic and hand surgery. Preclinical research activity in the field of microsurgery and regeneration

of the peripheral nervous system. Cause for termination of the employment relationship: natural end of the contract.

10. Public Administration (IRCCS): Rizzoli Orthopaedic Institute via Pupilli, 10 Bologna 40136 from 01/09/2012 to 15/01/2015 with the qualification of PhD student included in the care activity, remunerated through research grants, discipline Plastic Surgery with full-time employment hours per week. about 38. General plastic and hand surgery activities in close correlation with orthopaedic surgery (orthoplastic surgery). Research activities in the field of orthoplastic surgery, hand surgery and surgery of the peripheral nervous system. Creation of new autologous acellular nerve grafts for the purpose of a nerve bank. Cause of termination of the employment relationship: natural end of the PhD

11. Institution accredited with the National Health Service: Hospital Piccole Figlie, via Po, 1 Parma (PR) 43125 from 01/05/2012 to 31/12/2014 with the qualification of fixed-term part-time free-lance plastic surgeon: mainly elective and occasionally emergency medical-surgical assistance activity in the pre-eminent medical and surgical specialist fields. Cause for termination of the employment relationship: voluntary interruption of collaboration.

12. Public Administration: *University Hospital of Durham (Durham and Darlington NHS Trust), Durham, Hollyhurst road, Darlington DL3 6HX, United Kingdom* from 01/03/2011 to 05/10/2011 with the qualification of medical director discipline Plastic Surgery fixed-term with full-time employment hours per week about 38, in addition to many hours of active on-call and availability. General plastic surgery activities, with particular involvement in the field of post-oncological breast reconstructive surgery. Burns and hand surgery, including traumatological and emergency surgery. Cause for termination of employment: Obtaining a EURAPS-funded Fellowship in Ghent, Belgium.

13. Public Administration: *Frenchay Hospital (North Bristol NHS Trust), Frenchay Park Road, Bristol, United Kingdom* from 09/02/2009 to 28/02/2011 with the qualification of medical director discipline Plastic Surgery fixed-term with full-time employment hours per week about 38 hours in addition to many hours of active on-call and on-call. General plastic surgery activity, with particular reference to autologous and prosthesis-based post-oncological breast reconstruction. Treatment of major burns in both adults and pediatric patients and hand surgery, including trauma and emergency. Cause for termination of employment: employment at Durham.

14. Public Administration: ASL TO2, Maria Vittoria Hospital, Via Luigi Cibrario, 72, 10144 Turin TO from 15/01/2009 to 08/02/2009 with the qualification of specialist plastic surgeon volunteer at

the Plastic Surgery Unit. Plastic & Hand Surgery activities, with elective and traumatological procedures. Reconstructive microsurgery, with particular reference to post-cancer breast reconstruction.

15. Public Administration AUSLFE via Cassoli, 30 - 44121 FERRARA from 09/12/2003 to 24/05/2004 local medical guard with fixed-term employment relationship (REPLACEMENTS 60% OF FULL-TIME).

16. Public Administration (IRCCS) Policlinico S. Orsola.Malpighi Via Massarenti, 9, Bologna 40138 from 02/01/2002 to 26/12/2002 volunteer for surgical activity in the field of plastic surgery at the Operating Unit directed by Prof. Carlo Cavina and then by Dr. Riccardo Cipriani. Full-time surgical activity in the field of General Plastic Surgery. Production of degree theses in the field of basal cell carcinomas of the orbital internal canthus.

QUANTITATIVE AND QUALITATIVE TYPOLOGY OF CARE SERVICES PROVIDED

He has performed over 2500 major plastic surgery and hand surgery, mostly as a first operator and in particular in the field of post-oncological breast reconstructive surgery based on implants and free flaps, cutaneous and head and neck oncological reconstructive surgery, based on local flaps and microsurgery, orthoplastic and traumatological and elective hand surgery.

STUDY OR VOCATIONAL TRAINING STAYS

31/10/2011 – 27/02/2012 – Ghent University Hospital, *Corneel Heymanslaan 10, 900 Gent* Belgium. EURAPS SCHOLARSHIP WINNER at *the Department of Plastic Surgery*, Activity mainly in the field of autologous breast reconstructive surgery (DIEP flap). Major burns center. Reconstructive microsurgery. General plastic surgery. Full-time (38 hours per week)

06/05/2006 – 24/11/2006 PONTIFICAL UNIVERSITY OF RIO DE JANEIRO AND INSTITUTE PROF IVO PITANGUY *Rua Santa Luzia, 206, Castelo, Rio de Janeiro, Brazil.* Fellow with scholarship from the order of doctors of Bologna at *Servico de cirurgia plastica 38° enfermaria santa casa da misericordia.*

Observation, study and activity as an assistant surgeon in plastic and aesthetic surgery: reconstructive surgery (autologous and implant-based) and breast aesthetics, major burns, post-oncological reconstructive microsurgery head and neck and limbs, hand surgery, body remodeling, cervicofacial lifting, rhinoplasty, congenital malformations, valgus of the auricles. Pediatric reconstructive plastic surgery. Full-time.

03/06/2004 – 31/10/2004 – *Frenchay Hospital (North Bristol NHS Trust), Frenchay Park Road, Bristol, UK.* FELLOW WITH SCHOLARSHIP FROM THE UNIVERSITY OF BOLOGNA (LEONARDO PROJECT). At *department of plastic surgery.* Fellow with assistance activities also as a first operator, in the field of microsurgery, burns, cleft lip and palate, breast reconstruction, hand surgery, cosmetic surgery. Full-time, funded research and care fellowship.

TEACHING ACTIVITY

Teaching activity as Associate Professor and previously fixed-term researcher

- at the University of Cagliari, Degree Course in Medicine and Surgery:

Plastic Surgery Modules V year a.y. 2021/22 (2, odd and even, 10 hours each)

Plastic Surgery Modules V year a.y. 2022/23 (2, odd and even 10 hours each)

Plastic Surgery Modules III year a.y. 2022/23 (2, odd and even 10 hours each)

Plastic Surgery Modules III year a.y. 2023/24 (2, odd and even 10 hours each);

- at the University of Cagliari, in the Specialisation Schools in:

1. Plastic Reconstructive and Aesthetic Surgery (University of Sassari) a.y. 2021-22, 2022-23, 2023-24 6, hours each year
2. General Surgery a.y. 2023-24, 2 hours
3. Gynecology and Obstetrics a.y. 2023-24, 2 hours

Participation in the commissions set up for exams:

Summer session V year a.y. 2021/22 (With General Surgery)

Summer session V year a.y. 2022/23 (With General Surgery)

Summer session III year a.y. 2022/23 (with Dermatology)

Autumn session III year a.y. 2022/23 (With Dermatology)

Summer session III year a.y. 2023/24 (With Dermatology)

Professor of Plastic & Hand Surgery at the Master in Nursing in Orthopedics and Traumatology.

Alma Mater Studiorum-University of Bologna, Academic Year 2011-2012, 2 hours.

Professor of Plastic & Hand Surgery at the Master in Nursing in Orthopedics and Traumatology.

Alma Mater Studiorum-University of Bologna, Academic Year 2012-2013, 2 hours.

Professor of plastic surgery at the degree course in podiatry.

Alma Mater Studiorum-University of Bologna, Academic Year 2012-2013, 2 hours.

Lecturer and tutor at the microsurgery course of the Plastic Surgery Unit.

Allama Iqbal medical College (University Institution) Lahore, Pakistan, November 2012, 8 hours.

Professor of Plastic & Hand Surgery at the Master in Nursing in Orthopedics and Traumatology.

Alma Mater Studiorum-University of Bologna. Academic Year 2013-2014, 2 hours

Supervisor of experimental degree thesis (Medicine and Surgery)

Degree thesis on Plastic Surgery and Microsurgery for Dr. Andrea Gioachino Loddo:

"The "Dual Plane" technique in breast reconstructive surgery: safety and advantages in terms of aesthetics and patient satisfaction."

University of Cagliari 01/04/2024-30/06/2024 20 hours

Co-supervisor of experimental degree thesis (Medicine and Surgery)

Degree thesis on Plastic Surgery and Microsurgery for Dr. Michela Perra:

"Volumetric evolution of the PAP flap in breast reconstruction: medium and long-term radiological study"

University of Cagliari 01/12/2023-25/02/2024 12 hours

Supervisor of experimental degree thesis (Medicine and Surgery Laude)

Degree thesis with honors and mention in the field of Plastic Surgery and Microsurgery for Dr. Anthea Mattana:

"*Breast implant illness* (BII breast implant disease) attempt at nosological definition and therapy by breast implant explantation and autologous reconstruction."

University of Cagliari 01/09/2022-22/11/2022 12 hours

Supervisor of experimental degree thesis (Medicine and Surgery Laude)

Degree thesis with honors and mention on the subject of Plastic Surgery and Microsurgery for the

Dr. Andrea Cordeddu:

"The revisited PAP flap of the thigh: a new construct and its clinical and angiographic validation".

Appointment conferred by Prof Andrea Figus, Full Professor of Plastic Surgery,

University of Cagliari. 31/07/2021 – 29/11/2021 12 hours

Co-supervisor of experimental degree thesis (Medicine and Surgery with Honors)

Degree thesis with honors on the subject of Plastic Surgery and Microsurgery

for Dr. Michela Meloni: "Optimization of the use of the PAP flap in breast reconstruction".

Appointment conferred by Prof Andrea Figus, Full Professor of Plastic Surgery, University of Cagliari, A.Y. 2021-22 12 hours

06/02/2019 – 08/02/2019 Scientific coordinator, lecturer and tutor at the course of Experimental and Reconstructive Microsurgery. Alma Mater Studiorum-University of Bologna & Rizzoli Orthopaedic Institute 20 hours

19/12/2018 Lecturer at HTA, Republic of San Marino, on the subject of Plastic Surgery and lipofilling. 4 hours

31/12/2017 – 29/06/2018 Co-supervisor of experimental degree thesis (Medicine and Surgery with Honors). Thesis on Plastic and Hand Surgery for Dr Davide Gravina:

The "Rizzoli Method" for the decellularization of nerves and its application in the reconstruction of peripheral nerves",

appointment conferred by Prof Nicola Baldini, Full Professor in Biomedical Techniques at Alma Mater Studiorum-University of Bologna. 12 hours

22/05/2018 – 24/05/2018 Visiting Professor at the Microsurgery and Hand Surgery Unit, *Sahlgrenska University Hospital, Gothenburg, Sweden*. University course in microsurgery 8 hours.

17/01/2018 – 19/01/2018 Scientific coordinator, teacher and tutor of the course Experimental and Reconstructive Microsurgery.

Alma Mater Studiorum-University of Bologna & Rizzoli Orthopaedic Institute 20 hours

14/01/2017 – 24/01/2017 Lecturer and tutor at the Institute of Normal Anatomy, University of Nice for the flap dissection course organized by the Italian Society of Microsurgery, Nice, France, 6 hours.

31/12/2015 – 29/06/2016 Co-supervisor of experimental degree thesis (Medicine and Surgery with Honors)

Thesis on Plastic Surgery of the Hand for Dr Filippo Raggini:

"Treatment of Dupuytren's disease with collagenase: our clinical experience

and new infiltrative applications". Assignment conferred by Prof Paolo Morselli,

Professor of Plastic Surgery, Alma Mater Studiorum-University of Bologna, 12 hours.

17/06/2016 – 17/06/2016 Deputy Scientific Director, lecturer and tutor at the Experimental and Reconstructive Microsurgery.

Alma Mater Studiorum-University of Bologna & Rizzoli Orthopaedic Institute, 20 hours.

18/05/2016 – 18/05/2016 SECTOR ROOM TUTOR INVITED:

Advanced course in Surgical Anatomy and Applied Biomechanics of the Hand.

Institute of Normal Human Anatomy. Alma Mater Studiorum-University of Bologna, 4 hours.

20/01/2016 – 22/01/2016 Deputy Scientific Director, lecturer and tutor at the course of Experimental and Reconstructive Microsurgery.

Alma Mater Studiorum-University of Bologna & Rizzoli Orthopaedic Institute, 20 hours.

14/01/2016 Teacher and tutor at Istituto di Anatomia Normale,

University of Nice for the flap dissection course organized by the Italian Society of Microsurgery,

Nice, France, 6 hours.

03/01/2016 – 05/01/2016 *Visiting professor* on the subject of *adipose stem cell signaling* at the Plastic Surgery Unit,

Iaso Hospital, Athens Greece, 4 hours.

05/06/2015 – 05/06/2015 Professor of Plastic and Hand Surgery and Microsurgery at Istituto di Ricovero e Cura a carattere scientifico Rizzoli, Bologna,

Staff refresher course, 2 hours.

10/04/2013 – 12/04/2013 Deputy Scientific Director, lecturer and tutor at the course of Experimental and Reconstructive Microsurgery.

Alma Mater Studiorum-University of Bologna & Rizzoli Orthopaedic Institute, 20 hours.

28/02/2009 – 27/02/2010 Head of teaching for doctors in training,

Anatomy club and Journal club at the *Frenchay Hospital* in *Bristol*, UK,

twelve teaching sessions on plastic and hand surgery topics,
30 minutes each, 6 hours.

COURSES, CONGRESSES, CONVENTIONS AND SEMINARS

05/03/2005 – 05/03/2005

Co-author: The Plastic Surgeon in the Treatment of Dog Bite Wounds. Meeting

annual meeting of the veterinarians of Turin. Turin. Without final exam

from 12-06-2005 to 12-06-2005

Co-author: Staging and protocols for chronic wounds. Wound care meeting Asti. Without final exam.

20/09/2005 – 23/09/2005

Co-author: Treatment of ulcers by VAC: our clinical experience. First Annual Meeting of the Italian Association for Skin Ulcers, Turin, September 2005. With final exam.

20/09/2005 – 23/09/2005

Co-author: Treatment of osteomyelitis by VAC: our clinical experience. First Annual meeting of the Italian Association for Skin Ulcers, Turin, September 2005. With final exam.

20/10/2005 – 22/10/2005

Co-author: Aesthetic importance of submammary sulcus reconstruction after mastectomy. Annual Congress of the Italian Society of Plastic and Reconstructive Surgery, Genoa, October 2005. With final exam.

20/10/2005 – 22/10/2005

Co-author: Treatment of chronic ulcers by Lorenz therapy: an encouraging preliminary report. Annual Congress of the Italian Society of Plastic Reconstructive and Aesthetic Surgery, Genoa. With final exam.

11-11-2005 to 12-11-2005

Co-author: Abdominoplasty after weight loss in great obesity: our four years' experience. First Congress of the Italian Society of Plastic Surgery for the Great Obesity, Turin. With final exam.

SCIENTIFIC SECRETARY: The Great Obesity, Turin, November 2005. from 11-11-2005 to 12-11-2005 with final exam.

14/12/2006 – 15/12/2006

Co-author: Perforating Flaps: our departmental experience. First Italian Congress on Perforator Flaps, Bologna, December 2006. With final exam.

25/09/2007 – 28/09/2007

Co-author: Transpectoral surgical access to the prosthetic pocket fully

submuscular in immediate breast reconstruction. Annual Congress of the Italian Society of Plastic, Reconstructive and Aesthetic Surgery, Pozzo Faceto di Fasano (BR) with final exam

23/09/2008 – 26/09/2008

Co-author: Fat injection as a treatment following exposure of pacemakers in Cardiological surgery. Annual Congress of the Italian Society of Plastic Reconstructive and Aesthetic Surgery, Naples with final exam.

23/09/2008 – 26/09/2008

SPEAKER: The plastic surgeon in the treatment of dog bite wounds. Congress, Annual Meeting of the Italian Society of Plastic, Reconstructive and Aesthetic Surgery, Naples, September 2008. With final exam.

30/09/2009 – 02/10/2009

SPEAKER: *Leg Perforators and Leg Length: An Anatomical Study Focused on Topography and angiogenesis. Annual Congress of the Italian Society of Microsurgery, Modena.* With final exam.

25/11/2010 – 26/11/2010

SPEAKER: *Leg Perforators and Leg Length: An Anatomical Study Focused on Topography and angiogenesis. 2nd Italian Conference on Perforator Flaps and Aesthetic Refinements, Bologna.* With final exam.

01/12/2010 – 03/12/2010

SPEAKER: *Leg Perforators and Leg Length: An Anatomical Study Focused on Topography and angiogenesis. British Association of Plastic Reconstructive and Aesthetic Surgery, (B.A.P.R.A.S.) London, United Kingdom. With final exam.*

09/10/2012 – 12/10/2012

SPEAKER: The surgical treatment of radial polydactyly, a ten-year series at the Bambino Gesù Hospital in Rio de Janeiro. Annual Congress of the Italian Society of Hand Surgery (SICM) Padua, Italy. With final exam.

09/10/2012 – 12/10/2012

SPEAKER: *Is there some objective benefit to performing median nerve epineurotomy In carpal tunnel release? A meta-analysis of modern clinical practice. Annual Congress of the Italian Society of Hand Surgery (SICM) Padua, Italy. With final exam.*

04/11/2012 – 04/11/2012

INVITED SPEAKER (Lecture): *Syndromic clefts and associated malformations. Allama Iqbal Medical College, Lahore, Pakistan 05/11/2012. No final exam.*

11/10/2013 – 11/10/2013

SPEAKER: *An autologous and allogeneic versus pure autologous and pure nerve graft allogenic graft alone. Italian Orthopedic Research Society (IORS), Venice. With final exam.*

10/01/2013 – 11/01/2013

AWARD-WINNING CO-AUTHOR: *Orthoplastic surgical approach to open fractures of the lower extremities: a prospective multicenter study*". Meeting of Foundation Physicians, Bristol, UK. With final exam.

18/06/2013 – 20/06/2013

SPEAKER: *Orthoplastic surgical approach to open fractures of the lower limbs: a Multicenter prospective study*. British Association of Reconstructive and Aesthetic Plastic Surgery (BAPRAS) summer meeting, Nottingham, UK. With final exam.

02/10/2013 – 04/10/2013

SPEAKER: The importance of traditional radiology in the assessment of early and late carpal instability. Annual Congress of the Italian Society of Hand Surgery (SICM), Rimini, Italy. With final exam.

12/10/2013 – 15/10/2013

AWARD-WINNING SPEAKER: *Orthoplastic surgical approach to open fractures of the lower extremities: a prospective multicenter study*. Meeting of the Combined Orthopaedic Research Societies (CORS). Venice October 2013, winner of the ICORS award for the best study. With final exam.

24/10/2013 – 26/10/2013

INVITED SPEAKER: The timing in the reconstruction of defects in the traumatology of the lower limbs. Annual Congress of the Italian Society of Orthopaedics and Traumatology. Genoa, Italy. With final exam.

27/05/2014 – 30/05/2014

SPEAKER: *Acellular Nerve Allografts for Peripheral Nerve Defects Bridging: A decellularization method.* 3rd Meeting of the EURAPS Research Council in Lacco Ameno, Ischia. With final exam.

28/05/2014 – 30/05/2014

SPEAKER: *The higher high-voltage technique is an equivalent substitute for the Tension suture in post-bariatric abdominoplasty? A comparative prospective study.* European Association of Plastic Surgeons (EURAPS), Ischia. With final exam.

08/10/2014 – 10/10/2014

SPEAKER: Combination of autologous and allogeneic bundles in a single graft with respect to Pure autologous and pure allogeneic grafts: a project to evaluate an innovative technique of decellularization of nerves. Annual Congress of the Italian Society of Hand Surgery, Foggia. With final exam.

16/03/2015 – 18/03/2015

INVITED LECTURER: *Hand joint distractions and dislocations in collagenopathies.* Course on Collagenopathies. Rizzoli Orthopaedic Institute, Bologna. With final exam.

05/06/2015 – 05/06/2015

INVITED LECTURER: The pathology and traumatology of the hand. Conference: Process multidisciplinary care for patients with diseases of the musculoskeletal system and diseases Concomitant. Rizzoli Orthopaedic Institute, Bologna. With final exam.

04/10/2015 – 04/10/2015

INVITED SPEAKER at School of Medicine, Alma Mater Studiorum-University of Bologna: Research activity in medicine and surgery. Evaluation criteria, results and development prospects. Bologna. Without final exam.

25/11/2015 – 27/11/2015

INVITED SPEAKER (LECTURE): *Nerve allografts*. Literature review. Annual Congress of the Italian Society of Microsurgery (SIM), Turin. With final exam.

05/02/2016 – 05/02/2016

MODERATOR AND INVITED SPEAKER: The resection of the first carpal spinneret. Conference: The treatment of osteoarthritis of the hand and wrist, Bologna. With final exam.

18/05/2016 – 18/05/2016

INVITED SECTOR ROOM TUTOR: Advanced course Surgical anatomy and applied biomechanics of the hand. Institute of Normal Human Anatomy. Alma Mater Studiorum-University of Bologna, Italy. Without final exam.

13/09/2016 – 15/09/2016

SPEAKER: *Postoperative alpha-lipoic acid significantly improves two-point staticity gain discrimination and reduce the incidence of pain at the abutment after the median nerve Carpal tunnel decompression: results of a randomized controlled trial. Annual Congress of the European Society of Orthopaedic Research (EORS), Bologna. With final exam.*

13/09/2016 – 15/09/2016

ABSTRACT SELECTOR, PRESENTATION EVALUATOR, SESSION CHAIRMAN AND MODERATOR: *European Orthopaedic Research Society Annual Meeting, Bologna. With final exam.*

13/09/2016 – 15/09/2016

SPEAKER: *New indications and injection modalities for Clostridium Collagenase Histolyticum in Dupuytren's disease: A prospective cohort study. European Orthopedics Research Society Annual Meeting (EORS), Bologna, Italy. With final exam.*

13/09/2016 – 15/09/2016

SPEAKER: *"A new technique for the decellularization of nerves. Histological and in vivo encouraging preliminary studies. Annual meeting of the European Society of Orthopaedic Research (EORS), Bologna. With final exam.*

22/03/2017 – 23/03/2017

Co-author: Peripheral nerve reconstructions with decellularized allogeneic nerves: in vivo study on animal sample. YOUNG HANDS - XXVIII SPIGC National Congress, Varese, Italy. With final exam.

15/09/2017 – 15/09/2017

SCIENTIFIC DIRECTOR: "The profane for the sacred". Plastic Surgery at the Service of Pathology and Traumatology. Turin 16-09-2017, with the following reports:

SPEAKER: Infiltrative therapy in tendinitis and osteoarthritis of the hand. With final exam.

22/09/2017 – 24/09/2017

SPEAKER: Orthoplastic surgical collaboration is necessary to optimize the Treatment of severe limb injuries: multicenter, prospective cohort study. SICPRE National Congress, Modena. Italy. With final exam.

09/10/2017 – 11/10/2017

SPEAKER: Off-label application methods of clostridium histolyticum collagenase for Dupuytren's disease SICM National Congress, Modena, Italy. With final exam.

04/10/2017 – 06/10/2017

SPEAKER: Neuroregenerative enhancement of a new acellular nerve allograft through a mixed autologous-allogeneic "cable" grafting. SIM National Congress, Palermo, Italy. With final exam.

23/02/2018 – 23/02/2018

INVITED LECTURER: Comparing protocols: classic vs orthoplastic treatment of complex limb injuries. 21st Theoretical-practical course of reconstructive microsurgery. Turin, Italy. With final exam.

23/02/2018 – 23/02/2018

INVITED TEACHER: The free skin, muscle and perforating flaps - anatomical concepts and Direct application in hand surgery, oncology and traumatology. 21st Course theoretical-practical reconstructive microsurgery. Turin, Italy. With final exam.

18/05/2018 – 18/05/2018

SCIENTIFIC DIRECTOR: First Bologna open day of the surgical hand. Bologna, Italy

SPEAKER: Elective hand surgery: what pathologies, what future prospects?

SPEAKER: Dupuytren's disease, new treatment strategies. With final exam

23/05/2018 – 23/05/2018

INVITED LECTURER: *Orthoplastic treatment in major limb injuries. Microsurgery Course. Gothenburg, Sweden. With final exam.*

INVITED LECTURER: *Innovations in peripheral nerve reconstruction. Microsurgery Course. Gothenburg, Sweden. With final exam.*

24/10/2018 – 24/10/2018

INVITED SPEAKER: Comparing protocols: classic vs orthoplastic treatment in open fractures of the tibia. Trauma Meeting, Riccione (RN) Italy. With final exam.

01/11/2018 – 01/11/2018

INVITED SPEAKER: *Dialysis of adipose tissue through semipermeable membrane. Confestetis, Iasi, Romania. With final exam.*

11/11/2018 – 11/11/2018

INVITED SPEAKER: Why are there no recommendations from scientific societies on the timing in open fractures of the upper limbs. 103rd SIOT Congress, Bari, Italy. With final exam

17/02/2019 – 21/02/2019

INVITED PROFESSOR: Comparing protocols: classic versus orthoplastic treatment in complex injuries of the limbs. 22° THEORETICAL AND PRACTICAL COURSE OF RECONSTRUCTIVE MICROSURGERY, Turin, Italy. With final exam.

06/10/2022-08/10/2022

SPEAKER: ""INDOPAP study": evaluation of the indocyanine green perfusion of the PAP flap used for autologous breast reconstruction with fascio-adipose emergence of the perforating pedicle" 70th NATIONAL CONGRESS SICPRE - RECONSTRUCTING AESTHETICALLY – NAPLES, Italy. With final exam

26/02/24 INVITED SPEAKER: "*The perforating flap of the femoral artery for upper limb reconstruction: new design and hidden donor site*" Webinar "*Innovations in hand reconstructive surgery*" organized by Plastic and Aesthetic research. Without final exam.

06/05/24 MODERATOR at the conference: From research methodology to medical writing, focus on the research. SIGOYOUNG Cagliari, Italy. Without final exam.

Networks and affiliations

1. From 2019 to 2023 Italian Society of Plastic Reconstructive Regenerative and Aesthetic Surgery, Ordinary Member
2. CURRENT Italian Society of Hand Surgery Ordinary member and since 2017 member of the SICM Commission for relations with the Ethics Committee
3. CURRENT Italian Society of Microsurgery Ordinary member and member of the teaching commission
4. From 2009 to 2014 *British Association of Plastic Reconstructive and Aesthetic Surgery London*, United Kingdom, Ordinary Member
5. From 2009 to 2012 *Plastic Surgery Trainees Association (PLASTA)* London, United Kingdom, ordinary member
6. From 2019 to 2020 Register of technical consultants and criminal experts at the Court of Bologna, Italy
7. From 2018 to 2020 Member in the register of Technical Consultants of Hand Surgery at SICM Italian Society of Hand Surgery

Participation in editorial boards of scientific journals

1. Member of the editorial board as *Associate Editor of Orthoplastics*

2. *Peer reviewer of Aesthetic Plastic Surgery.*
3. *Peer reviewer of Ophthalmic Plastic and Reconstructive Surgery.*
4. *Peer reviewer of Plastic Reconstructive Surgery.*
5. Member of the editorial board and *peer reviewer of Plastic and Aesthetic Research*
6. *Peer reviewer of Journal of Plastic Reconstructive and Aesthetic Surgery*
7. *Peer reviewer of Aesthetic Surgery Journal.*
8. *Peer reviewer of Injury.*
9. *Journal of Clinical Medicine peer reviewer* in the field of plastic and hand surgery

MANAGEMENT, ORGANISATIONAL AND SERVICE ACTIVITIES

1. Qualified for appointment in the disciplinary GEVs in my scientific field (Evaluation Expert Groups) at the MUR (Ministry of University and Research, Rome, Italy) on 18/03/2024
2. Member of the Scientific Committee at the first conference of the Italian Society of Plastic Surgery for Great Obesity, Turin, November 2005.
3. I designed and managed (Teacher and Scientific Coordinator) the University Course of Permanent Training in Experimental and Reconstructive Microsurgery at IRCCS-Rizzoli Orthopaedic Institute, Alma mater studiorum – University of Bologna, Italy: April 2013, September 2014, January 2016, June 2016, January 2018, February 2019.
4. As scientific director, I conceived and organized two open days of hand surgery in Bologna. I directed the creation of various clinical activities in the field of plastic & hand surgery and microsurgery at:
 IRCCS Rizzoli Orthopaedic Institute/ University of Bologna
 Koelliker Hospital, Turin
 Gruppioni Hospital, Bologna

Scientific production

1. Ettore Gasparo, Adrian Gustar, Matteo Atzeni, Pietro Luciano Serra, Filippo Boriani. Spontaneous Postoperative Reduction of Ulnar Aneurysm by Simple Decompression of Guyon's Canal in a Patient with Hypothenar Hammer Syndrome: A Case Report. *Reports* **2024**, 7(4), 101;
2. PL Serra, F Boriani, U Khan, M Atzeni, A Figus. Free flap failure rate and return to the operating room in lower limb reconstruction: a systematic review. *Journal of Clinical Medicine* 13(15), 4295
3. Carta F, Corrias S.... Boriani F.. Surgical Management of Patients With Parotid Involvement From Head and Neck Nonmelanoma Skin Cancer *Journal of Personalized Medicine*, 2024, 14(6), 631
4. PL Serra, G Giannaccare, A Cuccu, F Bolognesi, F Biglioli, ... F. Boriani. Insights into donor nerve selection and preparation in corneal neurotization for Neurotrophic keratopathy: a narrative review. *Journal of Clinical Medicine* 2024, 13(8), 2268
5. L. Giorgi, V Ponti, F. Boriani, A. Margara. Non-absorbable barbed sutures for diastasis recti. A useful device with unexpected risks: two case reports. *Plastic Surgery Archives* 2024
6. G Fais, A Altieri, C Chilà, A Ungredda, F Boriani, E Bentivegna, V Mais, . 505 Keystone flap application in vulvo-perineal reconstructive surgery: quality of life and long-term follow-up. *International Journal of Gynecologic Cancer* 34 (Suppl 1) 2024
7. A Margara, D Haykal, D Musella, G Bellia, F Boriani. Hybrid Cooperative Hyaluronic Acid Injection as Biostimulation for Postobese Skin Laxity in the Arm: A Histopathological Study. *Cosmetic Surgery Journal Open Forum* 2024, 6, ojad110
8. D Pagliara, F Grieco, R Cuomo, L Schiavone, F Boriani, A Figus, M Atzeni, .

Breast implant-associated squamous cell carcinoma: an evidence-based systematic review. *European Journal of Plastic Surgery* 2023, 46(6), 875-886

9. A Margara, V Ponti, A Figus, A Gustar, F Boriani. Brachioplasty with extended incision at the elbow: a comparison with the traditional short technique. *Cosmetic Plastic Surgery* 2023, 47(6), 2470-2478
10. R. Salzillo, F. Boriani, M. Atzeni, R.M. Haywood, P. Persichetti, A. Figus. Superficial external flap shunting (SOS) is associated with a low incidence of postoperative venous congestion of the DIEP flap. *JPRAS* 2023
11. F Costa, F Boriani, SH Ali Shah, J Srinivasan. Parallelogram Excision: An Algorithmic Approach to Excision Designs in High-Tension Skin Areas. *Healthcare* 2023, 11(19), 2624
12. A Margara, A Gustar, F Boriani. Response to "Letter to the editor: Brachioplasty With incision extended to the elbow: a comparison with the traditional technique. *Aesthetic Plastic Surgery* 2023
13. R Salzillo, F Boriani, F Carta, M Tatti, M Atzeni, P Persichetti, U-shaped inseting of the anterolateral flap of the chimeric thigh with a perforated base for total pharyngoesophageal reconstruction: surgical technique and functional outcomes. *Microsurgery* 2023, 43(4), 347-356
14. F Boriani, F Raggini, A Evangelista, A Gustar, A Figus. Clostridium Histolyticum Collagenase Underdosed by Multichordal Injection in Dupuytren's Disease: A Retrospective Cohort Study. *Plastic and Reconstructive Surgery—Global Open* 2022, 10(11), e4659
15. F Boriani, P Sassu, M Atzeni, C Buckley, A Figus. The deep artery perforator flap for upper extremity reconstruction: a case report and a literature review on flap applications in reconstruction. *Microsurgery* 2022, 42(7), 714-721

16. P Di Maio, A De Virgilio, A Mincione, J Zocchi, F Boriani, G Spriano, .
Infrahyoid myocutaneous flap in head and neck reconstruction: a systematic review and meta-analysis.
International Journal of Oral and Maxillofacial Surgery 2022, 51(10), 1279-1288
17. F Boriani. Increased fat graft retention in irradiated tissue after preconditioning with external volume expansion; and one-year results of intraarticular fat transplantation for thumb osteoarthritis. Plastic and Reconstructive Surgery 2022; 150(3),700E-701E
18. Boriani F, Fazio N, Fotia C, Savarino L, Nicoli Aldini N, Martini L, Zini N, Bernardini M, Baldini N. A new technique for the decellularization of allogeneic nerves and the in vivo study of their use for the reconstruction of peripheral nerves. J Biomed Mater Res A. 2017 August; 105(8):2228-2240.
19. Boriani F, Savarino L, Fazio N et al. Parallel juxtaposition of auto-allo graft for improved neuroregeneration in peripheral nerve reconstruction based on acellular nerve allografts. Ann Plast Surg. 2019 September; 83(3):318-325
20. Boriani F, Fazio N et al. Noncellular modification of acellular nerve allografts For peripheral nerve reconstruction: a systematic critical review of the animal literature. Mondo Neurosurg. Feb 2019;122:692-703.e2.
21. Boriani F et al. Negative Pressure Treatment for Surgical Wound Improvement After Circumferential Thigh Lift: A Comparative Study. Ann Ital Chir. 2018;89:261-265.
22. Cigna E, Boriani F. Angiosomes and perforasomes.
In: Manual of microsurgery: Perforating, propeller and freestyle pedunculated flaps, Publisher: 2017 Palermo University Press,
Editors: Francesco Moschella, Francesca Toia, Adriana Cordova, Salvatore D'Arpa
23. Boriani F, Granchi D, Roatti G, Merlini L, Sabattini T, Baldini N.
Alpha-lipoic acid after decompression of the median nerve at the carpal tunnel: A randomized controlled trial. J Hand Surg Am. 2017 April; 42(4):236-242.

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26. Boriani F, Granchi D, Baldini N. Epineurotomy of the median nerve in carpal tunnel release: a systematic review and meta-analysis attempt. *Eur Orthop Traumat* 2012, vol. 3, p. 257-260.

27. Boriani F (2015). The chicken neck, dissection and exercises.
In: *Manual of microsurgery. From basic to advanced techniques.*
Publisher Timeo, Bologna. ISBN: 889716241X

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New indications and injectable modalities for *Clostridium histolyticum* collagenase in Dupuytren's disease: a prospective cohort study.
In: *Orthopaedic procedures.* ISSN: 2049-4416, Bologna,

29. Boriani F, Savarino L, et al. (2017).
A new technique for nerve decellularization: encouraging histological and preliminary in vivo studies.
In: *European Society for Orthopaedic Research. Orthopedic procedures,*
ISSN: 2049-4416, Bologna, 16/09/2016

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Alpha-lipoic acid improves the post-operative course after decompression of the median nerve at the carpal tunnel: a randomized controlled trial. In: *European Society for Orthopaedic Research. Atti di Ortopedia,* ISSN: 2049-4416, Bologna

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Eumorphic Plastic Surgery: Expectation vs. Satisfaction in Body Dysmorphic Disorder.
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Modified round block mastopexy compared to traditional round block mastopexy.
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33. Boriani F, Villani R, Morselli PG. Metabolic effects of large volume liposuction
For Obese Healthy Women: A Meta-Analysis of Fasting Insulin Levels.
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mesenchymal stem cells. *Cytotechnology.* December 2015; 67(6):1073-84.
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A multicenter prospective outcome study. [Thesis],
Alma Mater Studiorum University of Bologna.
PhD in Biomedical Sciences, 27th Cycle. 2016 DOI 10.6092/ unibo/amsdottorato/6754
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Is the upper high tension technique an equivalent substitute for progressive tension sutures
in post-bariatric abdominoplasty? A comparative prospective study.

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Superior high tension technique and progressive tension sutures in post-bariatric abdominoplasty. A comparative prospective study. *Obes Surg* 2014; 24 (7), 1024-1024
40. Margara A, Boriani F, Millo P et al.
Negative Pressure Treatment for Surgical Wound Improvement After Circumferential Thigh Lift: A Comparative Study in Postobese Patients. *Obes Surg* 2014; 24 (7), 997-997
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In: Adipose stem cells and regenerative medicine. ISBN: 978-3-642-20011-3
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two teaching systems.
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long pedicle myocutaneous flaps for the closure of a complex contralateral dorsal defect.
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flaps in massive surgery for weight loss. *J Plast Reconstr Aesthet Surg.* 2010 February;
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treatment of radial polydactyly. *Ann Ital Chir.* 2008 November-December; 79(6):441-4
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RESEARCH ACTIVITIES

31/07/2020 – 27/02/2021 Researcher member of multicenter network Participation in the retrospective multicenter research project of the Senonetwork network on the oncological safety of breast lipofilling after QUART

31/12/2021 – CURRENT Principal Investigator and Co-PI (Co-Principal Investigator), depending on the two funding to be followed, respectively (PRIN-PNRR 2022 and START-UP). Creator and developer of the project: "*Protecting Autologous Free Flap transplant from Ischemia/ Reperfusion Damage with preservation solution and cold ischemia: a randomized controlled trial analyzing patients benefits (PAFFIRD study).*", a study aimed at improving autologous breast reconstruction. Funding application successfully submitted to the PRIN-PNRR 2022 and Start-Up calls of the

Ministry of University and Research. Winner of 100000 euros with the Start-Up call and over 200000 as co-PI with the PRIN-PNRR project. Preclinical study ongoing.

31/07/2020 – 27/02/2021 Principal Investigator Creator of the double-blind randomized controlled clinical trial at previous affiliation (Ancona): "the use of dextran to promote the survival of microsurgically revascularized tissues"

31/12/2010 – CURRENT Researcher member of multicenter network Scientific collaboration with *Ponticia Universidade do Rio de Janeiro and Instituto Ivo Pitanguy (Dr Aris Sterodimas, now at, Athens, Greece)* on the subject of body remodeling and processing of adipose tissue.

31/12/2021 – 15/05/2022 Researcher member of multicenter network Participation in the study COVIDSURG3 "*Outcomes of surgery in COVID-19 infection*".

31/08/2017 – 30/12/2017 Researcher member of multicenter network Research project on breast plastic surgery. Participation in the intercontinental multicenter group VOGUE: *Valid Outcomes for the Grafting of Autologous Fat to the Breast*. Scientific product, in which I collaborate: Agha RA, Pidgeon TE, Borrelli MR et al. *Validated Outcomes in the Grafting of Autologous Fat to the Breast: The VOGUE Study. Development of a Core Outcome Set for Research and Audit*. *Plast Reconstr Surg*. 2018 May; 141(5):633e-638e

30/04/2012 – 30/12/2014 Researcher member of multicenter network Participation in the international multicenter group REBORNE (*Regenerating Bone defects using New biomedical Engineering approaches*), funded with European funds with the Laboratory of Orthopedic Pathophysiology and Regenerative Medicine, IRCCS Rizzoli Orthopedic Institute and Alma Mater Studiorum University of Bologna

31/10/2015 – 27/02/2016 Researcher member of multicenter network Research project on regenerative orthoplastic surgery. Participation as a Plastic Extractor Surgeon in the AdipoA Study Group (Use of expanded adipose stem cells for cartilage regeneration), an international multicenter study funded with European Funds. IRCCS Rizzoli Orthopaedic Institute and Alma Mater Studiorum University of Bologna

31/10/2012 – 29/06/2017 Principal Investigator (P.I.) in multicenter network Research project in the field of microsurgery and orthoplasty. Creator and director of the multicenter intercontinental PhD study (awarded) with the University of Bologna: "The combined orthoplastic approach to the leakage

of skin substance overlying exposed tibia fractures: a prospective multicenter study". Participating institutions: 1. *Frenchay Hospital, Bristol UK*, 2. *Alma Mater Studiorum University of Bologna and IRCCS Rizzoli Orthopaedic Institute, Italy* 3. *Allama Iqbal Medical College, university institution in Lahore, Pakistan*.

31/12/2016 – CURRENT Principal Investigator (P.I.) in multicenter network Project for the creation of the first European Bank of Acellular Nerves (Nervallograft2017) through collaboration between the Laboratory of Orthopaedic Pathophysiology and Regenerative Medicine, Alma Mater Studiorum University of Bologna and IRCCS Rizzoli Orthopaedic Institute, Bologna, as well as the Maxillofacial Surgery Unit, Alma Mater Studiorum-University of Bologna at Policlinico S Orsola.

31/05/2012 – 30/12/2016 Principal Investigator, Creator and director of the study in the field of innovative and regenerative reconstructive microsurgery: Combination of autologous and allogeneic acellular composite grafts for nerve regeneration and an original decellularization technique, funded with funds on a competitive basis by the Fondazione del Monte di Bologna e Ravenna for an amount of about 30000 euros.

30/11/2021 – CURRENT Co-P.I. Study Developer: "Evaluation of the perfusion of the PAP (Profunda Artery Perforator) flap used for autologous breast reconstruction with fascioadipose emergence of the perforating pedicle. Angiographic study with indocyanine green". (Study acronym: INDOPAP) at the S.C. of Plastic Surgery and Microsurgery University of Cagliari. P.I.: Prof. Andrea Figus

31/12/2017 – CURRENT Researcher member of multicenter network Project in the field of innovative and regenerative reconstructive microsurgery: Freeze-drying of allogeneic acellular grafts and their combination with biomaterials (nanofibers, graphene and carbonanotubes) as substrates promoting the regeneration of the Peripheral Nervous System. International, multicenter study, involving: 1. Laboratory of Orthopaedic Pathophysiology and Regenerative Medicine, Alma Mater Studiorum University of Bologna and IRCCS Rizzoli Orthopaedic Institute. 2. *Transplant Program, Unit for Surgery of the Hand, Sahlgrenska University Hospital, Gothenburg, Sweden. Institute for Technology-Inspired Regenerative Medicine, Maastricht University, Netherland*

31/12/2012 – 29/06/2016 Principal Investigator Randomized controlled trial in hand surgery with the role of creator and scientific director: "Oral antioxidant supplementation in association with

median nerve decompression: randomized controlled trial", completed with publication, IRCCS Rizzoli Orthopaedic Institute and Alma Mater Studiorum University of Bologna.

31/12/2011 – 29/06/2014 Researcher member of multicenter network Project in the field of regenerative plastic surgery: Proliferative activity and vitality of adipose tissue in the indications of regenerative medicine. Laboratory of Orthopaedic Pathophysiology and Regenerative Medicine, IRCCS Rizzoli Orthopaedic Institute and Alma Mater Studiorum University of Bologna and Hospital Piccole Figlie, Parma with Dr Andrea Margara, plastic surgeon.

31/12/2016 – CURRENT Principal Investigator Project in the field of plastic surgery and psychology: creator of the collaborative project PSICO-OB on the trend of the body image of the self in the obese and post-obese, in collaboration with: 1. Department of General Surgery, Endoscopic Bariatric Surgery Service, Alma Mater Studiorum University of Bologna and Policlinico S Orsola-Malpighi Bologna 2. Plastic Surgery Unit, Alma Mater Studiorum University of Bologna and Policlinico S Orsola-Malpighi Bologna 3. Child Neuropsychiatry Unit and Regional Reference Center for Eating Disorders in Developmental Age, Alma Mater Studiorum University of Bologna and Policlinico S Orsola-Malpighi, Bologna

01/03/2022 – CURRENT Researcher member of multicenter network, project in the field of Hand Surgery: "*Surgical treatment of upper limb spasticity after stroke or spinal cord nerve injury*", in collaboration with the Plastic Surgery units of the University of Sassari and the University of Palermo, as well as with the Department of Biomedical Sciences of the University of Cagliari funded by PRIN 2022

01/03/2022 – CURRENT Co-PI in the multicenter study "*RADART - Randomized controlled trial on Deep inferior epigastric artery perforator (DIEP) and postmastectomy Radiotherapy: Timing of breast reconstruction after mastectomy for breast cancer.*", in collaboration with the plastic surgery and radiotherapy units of the University of Sassari.

01/01/2024 – CURRENT Principal Investigator in the bicenter (Cagliari-Milan) PAPVOLUME study, aimed at radiologically evaluating the volumetric persistence of the PAP flap in breast reconstruction by CT and MRI

Awards and recognitions

09/10/2013

ICORS (*International Combined Orthopaedic Research Societies*) Competitive Award for the best intercontinental collaborative research project at ICORS Congress, Venice, October 2013

31/05/2007

In 2005 he was awarded a scholarship from the Order of Doctors of Bologna on a competitive basis for merits of study and aimed at professional improvement abroad carried out from May to November 2007 in various surgical departments of Hand Plastic and Microsurgery in Rio de Janeiro, Brazil

31/10/2011

In 2011 EURAPS scholarship won on a competitive basis for scientific and research merits and aimed at fellowship at the Microvascular Unit, University Hospital of Ghent Belgium – EURAPS

17/06/2013

In 2013 funding on a competitive basis from the Fondazione del Monte for the project:

Combination of autologous and allogeneic acellular composite grafts for regeneration

nervous and an original decellularization technique, carried out at the Rizzoli – ICORS

09/06/2013

Award for Best Poster (*"The Orthoplastic Approach to Open Tibial Fractures"*)

Foundation Doctors' Meeting, Bristol, UK.

31/05/2004

Leonardo Project Scholarship for Study Merits – Alma Mater Studiorum - University of Bologna. Internship in Plastic Surgery, Frenchay Hospital, Bristol United Kingdom

07/10/2009

Special mention for a research project in the microsurgical field – Italian Society of Microchirurgia (SIM) at congresso nazionale a Modena

Mention on the research project "*Anatomy of leg perforators*".

30/11/2011

Funding for an anatomical study – Beautiful ABC Foundation (Prof P. Blondeel, Ghent, Belgium)
Anatomical study on cadavers of the mammary connective stroma, at the Institutes of Anatomy of Ghent and Liège, Belgium

31/07/2008

Scholarship from the University of Turin won for research merits and aimed at specialization thesis abroad

July and November 2023

Obtaining funding on a competitive basis through a Start-Up ministerial call as a PI (100000 euros) and as a co-PI PRIN-PNRR (230000 euros), for the PAFFIRD project (see above).

Personal skills and competencies, organizational, relational, technical, managerial skills and competencies

Prof. Filippo Boriani has been engaged for over 20 years in the field of Medicine and Surgery full-time and continuously, and in particular in the field of reconstructive and aesthetic plastic surgery and hand surgery, with skills gained in Italy and abroad (United Kingdom, Belgium, Brazil, France, Spain, Pakistan). He has never stopped dedicating himself to this discipline, not only in terms of work, but also in terms of humanitarian mission (Lahore, Pakistan, 2012), providing free surgical treatment to local patients and teaching local doctors. These efforts have been crowned by the current position of Associate Professor at the University and Polyclinic of Cagliari, where he carries out basic and translational care, teaching and scientific research activities. For almost two years the Director of the Complex Structure has been missing and therefore Prof. Filippo Boriani frequently carries out activities that would be the responsibility of the head of the operating unit, such as the drafting and control of the shifts carried out by employees and residents, the accreditation procedure of the department, the requests for new medical devices for the purpose of replacing and innovative surgical paraphernalia, the supervision of employees and residents. Not only that, Prof. Filippo Boriani had already held the role of Division Director at the Koelliker Hospital in Turin and at the Gruppioni Hospital in Bologna, successfully fulfilling the task of starting new activities related to reconstructive and aesthetic plastic surgery, microsurgery and hand surgery, in terms of definition of activities, organization and division of labor and spaces, creation of a weekly activity diary etc. At the Breast Unit of Sanremo (ASL1 Imperiese) he was head of post-breast reconstructive surgery ASL. His leadership and managerial skills were also acquired in a CME-recognized course for "Leadership in healthcare", organized by the GIMBE Foundation in Bologna. From a personal and relational point of view, Prof. Boriani is an affable, humble, approachable person, with listening skills, empathy and a propensity for team collaboration. He is resilient in the face of difficulties and obstacles, accustomed to managing and resolving conflicts, constructive in professional human relationships and enterprising in terms of new projects of his own or proposed by others. He is very well prepared in terms of organizational and managerial aspects of the British and especially Italian National Health Systems. In her free time she loves reading, skiing, horseback riding, the gym and the study of languages (she knows English and Portuguese at excellent levels and French well).

