

## Personal Information

# Matteo Guzzini

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Sex male | Birth Date 15.04.1980 | Nationality Italian

**MAIN ACTIVITIES** **Associate Professor**, Medical Doctor, Orthopedics and Traumatology, Hand Surgery, Reconstructive Microsurgery, Sport Traumatology of upper limbs.

## WORK EXPERIENCE

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2024- Today	Associate Professor Unicamillus University – Rome, Italy
2023- Today	Orthopedic surgeon – Istituto di Medicina dello Sport -CONI- Rome- Italy
2023 - Today	High Specialty position in Hand Surgery and Microsurgery University of Rome “Sapienza” – Unit of Orthopedics and Traumatology - S. Andrea Hospital, Rome, Italy.
2020 - 2021	Director of Master’s Degree “Patologia elettiva e traumatica della Mano e del Polso” University of Rome “Sapienza”, Italy.
2019 - 2020	Director of Master’s degree “Patologia elettiva e traumatica della Mano e del Polso” – University of Rome “Sapienza”, Italy.
2019 - Today	Associate Professor University of Rome “Sapienza” – Unit of Orthopedics and Traumatology- S. Andrea Hospital – Rome, Italy.
2016 – 2019	Assistant Professor University of Rome “Sapienza” – Unit of Orthopedics and Traumatology S. Andrea Hospital – Rome, Italy.

- 01.04.2014 – 2016 Senior Consultant  
U.O.C. Ortopedia e Traumatologia, Az. Ospedaliera S. Andrea – Rome, Italy.
- 01.05.2013 – 30.04.2014 Research Fellow  
Università degli Studi di Roma “La Sapienza”, Il Facoltà di Medicina e Psicologia,  
U.O.C. Ortopedia e Traumatologia, Az. Ospedaliera S. Andrea – Rome, Italy.
- 01.05.2011 – 30.04.2012 Research Fellow  
Università degli Studi di Roma “La Sapienza”, Il Facoltà di Medicina e Psicologia,  
U.O.C. Ortopedia e Traumatologia, Az. Ospedaliera S. Andrea – Rome, Italy.
- 01.05.2010 – 30.04.2011 Research Fellow  
Università degli Studi di Roma “La Sapienza”, Il Facoltà di Medicina e Psicologia,  
U.O.C. Ortopedia e Traumatologia, Az. Ospedaliera S. Andrea – Rome, Italy.
- 2010 - 2023 Doctor of Italian Female Soccer National Team  
Federazione Italiana Giuoco Calcio.
- 2008 - 2010 Doctor of Italian Female Basket U. 18 National Team  
Federazione Italiana Pallacanestro.
- 2007 - 2008 First Aid Doctor Autodromo di Vallelunga- Rome, Italy.
- 2005 - 2006 Doctor of Italian selection of Artistic Gym  
Federazione Italiana di Ginnastica artistica.

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## FELLOWSHIP

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02.2020	Hand Surgery Center – Dr. Christian Couturier, Clinique Arago – Paris, France.
01.2009 – 06.2009	G.I.M. (Gruppo Interdivisionale di Microchirurgia) and U.O.C. Traumatologia C.T.O. Hospital – Turin, Italy.
03.2008	Centro di Chirurgia della Mano Carlo Bufalini – Florence, Italy.
11.02.2008 – 28.02.2008	G.I.M. (Gruppo Interdivisionale di Microchirurgia) and U.O.C. Traumatologia C.T.O. Hospital – Turin, Italy.
01.2007	Instituto de Cirurgia Plastica y de la Mano Dr. Francisco Del Pinal – Santander, Spain.
05.2005	G.I.M. (Gruppo Interdivisionale di Microchirurgia) and U.O.C. Traumatologia C.T.O. Hospital – Turin, Italy.
03.2004	G.I.M. (Gruppo Interdivisionale di Microchirurgia) and U.O.C. Traumatologia C.T.O. Hospital – Turin, Italy.
11.2003 – 12.2003	G.I.M. (Gruppo Interdivisionale di Microchirurgia) and U.O.C. Traumatologia C.T.O. Hospital – Turin, Italy.

## PERSONAL SKILLS

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Language Italian, English.

Level: 4+ Advanced high

## SURGICAL ACTIVITIES

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- More than 5000 surgical operations as first surgeon in Hand Surgery and Reconstructive Microsurgery.
- World's first double corticoperiosteal flap, as first surgeon, (S. Andrea Hospital, Rome, 23.03.2021).
- 12 replants of upper and lower limb.
- First microsurgical flap of Poland for scaphoid reconstruction (Enel Clinike, Varsavia, 27.07.2012).

## COLLABORATION WITH SCIENTIFIC SOCIETIES

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- President and founder of SICM young of Italian Society of Hand Surgery (SICM).
- Member of the Board of Directors of the Italian Society of Hand Surgery (SICM).
- Member of Scientific training committee of SiCM
- Member of Partner committee of SICM
- Member of Italian society of Microsurgery (Scientific committee).
- Partner of Italian Society of Orthopedics and Traumatology (SIOT).
- Partner of University Academy of Orthopedics and Traumatology (AUOT).
- Associate Editor of Journal of Orthopedic Surgery and Research (JORS)
- Member of the Editorial board of JSM Foot & Ankle (ISSN: 2475-9112).

## AWARDS

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- Award for best paper presented at the XI National Congress of Residents in Orthopaedics and Traumatology at the University of Parma, entitled "Experimental study on the early stages of neuromuscular degeneration and regeneration following reparative surgery of peripheral nerve lesions (Muscle in Vein technique)" Parma, 10-2-2006.
- "Lamberto Perugia" award for the best scientific contribution of the year. Rome, 2009.
- Winner P.I. for the research project "Experimental study on vascular and bone regeneration at the donor site, after corticoperiosteal free flap from the medial femoral condyle" (Sapienza University - N. Protocol RP11715C7F44F452) 21-11-2017

## PUBLICATIONS

- 1) **OPERATIVE TREATMENT FOR CHRONIC ACHILLES TENDINOPATHY** – Vulpiani M.C, Guzzini M, Ferretti A. *Int Orthop*, 2003 vol. 27(5) pp. 307-10.
- 2) **DENERVATION AND REINNERVATION OF ADULT SKELETAL MUSCLE MODULATE MRNA EXPRESSION OF NEUREGULIN- 1 AND ERBB RECEPTORS.** S. Nicolino, A. Panetto, S. Raimondo, G. Gambarotta, M. Guzzini, M. Fornaro, B. Battiston, P. Tos. S. Geuna, I. Perroteau; *Microsurgery* ;29(6):464-72.2009.
- 3) **DENERVATION-RELATED CHANGES IN ACETHYLCHOLINE RECEPTOR DENSITY AND DISTRIBUTION IN THE RAT FLEXOR DIGITORUM SUBLIMIS MUSCLE.** Matteo Guzzini, Salvatore Raffa, Stefano Geuna, Silvia Nicolino, Maria Rosaria Torrisi, Pierluigi Tos, Bruno Battiston, Francesca Grassi and Andrea Ferretti; *Journal of Anatomy and Embryology*;113(4):209-16/ 2008 Oct-Dec.
- 4) **IS IT REALLY NECESSARY TO RESTORE RADIAL ANATOMIC PARAMETERS AFTER DISTAL RADIUS FRACTURES?** Dario P, Matteo G, Carolina C, Marco G, Cristina D, Daniele F, Andrea F. *Injury*. 2014 Dec;45 Suppl 6:S21-6. doi: 10.1016/j.injury.2014.10.018. Epub 2014 Oct 27.
- 5) **SAFETY OF THIRD-GENERATION ARTIFICIAL TURF IN MALE ELITE PROFESSIONAL SOCCER PLAYERS IN ITALIAN MAJOR LEAGUE.** Lanzetti RM, Ciompi A, Lupariello D, Guzzini M, De Carli A, Ferretti A. *Scand J med Sci Sports*, 2016.
- 6) **CORRIGENDUM TO IS IT REALLY NECESSARY TO RESTORE RADIAL ANATOMIC PARAMETERS AFTER DISTAL RADIUS FRACTURES? [INJURY 45S6(2014)S21-S26]** Perugia D, Guzzini M, et Al. *Injury*, 2015, 46(7), pp. 1423.
- 7) **TREATMENT OF A FEMUR NONUNION WITH MICROSURGICAL CORTICOPERIOSTEAL PEDICLED FLAP FROM THE MEDIAL FEMORAL CONDYLE.** Guzzini M, Calderaro C, Guidi M, Civitenga C, Ferri G, Ferretti A. *Case rep Orthop*, 2016 vol.2016 pp. 5125861.
- 8) **SINGLE HARVESTING IN THE ALL. INSIDE GRAFT-LINK TECHNIQUE: IS THE GRAFT LENGHT CRUCIAL FOR SUCCESS? A BIOMECHANICAL STUDY.** Fabbri M, Monaco E, Lanzetti RM, Perugia D, Guzzini M, Labianca L, Ferretti A. *J Orthop Traumatol*. 2016.
- 9) **EXTRA-ARTICULAR TENODESIS COMBINED TO AN ACL RECONSTRUCTION IN ACUTE ACL TEAR IN ELITE FEMALE FOOTBALL PLAYERS.** Guzzini M, Mazza D, Fabbri M, Lanzetti RM, Redler A, Iorio C, Monaco E, Ferretti A. *Int. Orthop*. 2016. DOI 10.1007/s00264-016-3261-9.
- 10) **THE TREATMENT OF LONG BONES NONUNIONS OF UPPER LIMB WITH MICROSURGICAL CORTICO-PERIOSTEAL FREE FLAP.** Guzzini M, Perugia D, Mazza D, Guidi M, Civitenga C, Ferretti A. *Injury*, 2017, 48, pp. S66-S70.
- 11) **COMPARISON BETWEEN CARBON-PEEK VOLAR LOCKING PLATES AND TITANIUM VOLAR LOCKING PLATES IN THE TREATMENT OF DISTAL RADIUS FRACTURES: A RANDOMIZED STUDY.** Perugia D, Guzzini M, Mazza D, Iorio C, Civitenga C, Ferretti A. *Injury*, 2017, 48, pp S24-S29.
- 12) **COMPARISON BETWEEN CARBON-PEEK PLATE AND CONVENTIONAL STEEL PLATE IN ANKLE FRACTURES. A PROSPECTIVE STUDY OF TWO YEARS FOLLOW-UP** Guzzini M, Lanzetti RM, et Al. *Injury*, 2017, 48(6), pp. 1249-1252.
- 13) **PARTIAL TENDON TEAR AS UNUSUAL CAUSE OF TRIGGER FINGER: A CASE REPORT.** Calderaro C, Guzzini M, Pagnottelli M, Fabbri M, Perugia D. *Case Reports. Plast. Surg. Hand Surg*, 2016 vol. 3(1) pp. 56-8.
- 14) **NONSURGICAL TREATMENT OF MASON TYPE II RADIAL HEAD FRACTURES IN ATHLETES. A RETROSPECTIVE STUDY.** Guzzini M, Vadalà A, Agrò A, Di Sanzo V, Pironi D, Redler A, Serlorenzi P, Proietti L, Civitenga C, Mazza D, Lnzetti RM, Ferretti A. *G. Chir*, 2017 vol 37(5) pp. 200-205.
- 15) **INTERLOCKING HORIZONTAL MATTRESS SUTURE VERSUS KAKIUCHI TECHNIQUE IN REPAIR OF ACHILLES TENDON RUPTURE: A BIOMECHANICAL STUDY.** Guzzini M, Lanzetti RM, Proietti L, Mazza D, Fabbri M, Monaco E, Ferri G, Ferretti A. *J. Orthop Traumatol*, 2017.
- 16) **DISTRACTION ARTHROPLASTY OF THE TRAPEZIO-METACARPAL JOINT: A NEW SURGICAL TECHNIQUE FOR THE TREATMENT OF RIZOARTHROSIS.** Perugia D., Guzzini M., Bufalini C., *J. Orth. Traum.* Vol. 9, Suppl. 1/ Nov 2008.
- 17) **TREATMENT OF BONE NONUNIONS WITH MICROSURGICAL CORTICOPERIOSTEAL FLAP FROM THE MEDIAL FEMORAL CONDYLE.** Guzzini M, Civitenga C, Guidi M, Dominedo' C, Ferretti A. *J Orthop. Traum.* (2013) 14 (suppl.1): s65-s66.

- 18) **ENDOSCOPIC EXCISION OF SYMPTOMATIC OS TRIGONUM IN PROFESSIONAL DANCERS.** Morelli F, Mazza D, Serlorenzi P, Guidi M, Camerucci E, Calderaro C, Iorio R, **Guzzini M**, Ferretti A. *Journal Of Foot And Ankle Surgery* 2017 vol. 56(1) pp. 22-25.
- 19) **PATIENT SPECIFIC INSTRUMENT IN TOTAL KNEE ARTHROPLASTY ( Book Chapter) New Developments in knee prosthesis research (book).** Mazza D, Iorio R, Monaco E, Guzzini M, Conteduca F, Ferretti A. *Nova Science Pubbl.* 2015 ISBN: 978-1-63482-753-9
- 20) **EVALUATION OF THE ACCURACY OF A PATIENT-SPECIFIC INSTRUMENTATION.** Mazza D, Iorio R, **Guzzini M**, et Al. *Minerva Medica e Traumatologica* 2017, 68(1), pp 42-50.
- 21) **CAN THE OUTSIDE-IN HALF-TUNNEL TECHNIQUE REDUCE FEMORAL TUNNEL WIDENING IN ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION? A CT STUDY.** Lanzetti R.M., Lupariello D, De Carli A, Monaco E, **Guzzini M**, Fabbri M, Vadalà A, Ferretti A. *Eur. J. Orth. Traum.* 2017, 48(6), pp. 1249-1252.
- 22) **LATARJET PROCEDURE: EVOLUTION OF THE BONE BLOCK AND CORRESPONDENT CLINICAL RILEVANCE-A CLINICAL AND RADIOLOGICAL STUDY.** Vadalà A, Lanzetti RM, De Carli A, **Guzzini M**, et Al. *Musuloskeletal Surgery*, 2017, 101 pp. 113-120.
- 23) **SURGICAL TREATMENT OF SEGOND FRACTURES IN ACUTE ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION** Ferretti A, Monaco E, Wolf M.R., **Guzzini M**, et al. *Ortopaedic Journal of Sports Medicine.* 2017, 5(10).
- 24) **THE INFLUENCE OF PLAYNG SURFACE ON INJURY RISK IN ITALIAN ELITE RUGBY PLAYERS.** Lanzetti RM, Lupariello D, et Al. *Muscles, Ligaments and tendons Journal*, 2017, 7(1), pp. 180-185.
- 25) **THE ROLE OF DIABETES MELLITUS AND BMI IN THE SURGICAL TREATMENT OF ANKLE FRACTURES.** Lanzetti RM, Lupariello D, Venditto T, **Guzzini M**, Ponzo A, De Carli A, Ferretti A. *Diabetes Metab Res Rev.* 2018 Feb;34(2). doi: 10.1002/dmrr.2954. Epub 2017 Nov 7. PMID: 29031012.
- 26) **SEGOND'S FRACTURE: A BIOMECHANICAL CADAVERIC STUDY USING NAVIGATION.** Monaco E, Mazza D, Redler A, Guzzini M, et Al. *Journal of Orthopedics and Traumatology*, 2017, 18(4) pp 343-348
- 27) **PRELIMINARY EXPERIENCE WITH TRIANGULAR CARBOFIX "PICCOLO" DISTAL RADIUS PLATE IN WRIST FRACTURES. CLINICAL AND RADIOLOGICAL RESULTS.** Guzzini M, Lupariello D, Lanzetti RM, Mazza D, Ferretti A. *Acta Biomed.* 2018 Oct 23;90(1-S):61-66. doi: 10.23750/abm.v90i1-S.7697.
- 28) **THE UNHAPPY TRIAD OF THE KNEE RE-REVISITED.** Ferretti A, Monaco E, Ponzo A, Dagget M, **Guzzini M**, Mazza D, Redler A, Conteduca F. *Int Orthop.* 2019 Jan;43(1):223-228. doi: 10.1007/s00264-018-4181-7. Epub 2018 Oct 1. PMID: 30276447.
- 29) **IS DUAL CUP MOBILITY BETTER THAN HEMIARTHROPLASTY IN PATIENTS WITH DEMENTIA AND FEMORAL NECK FRACTURE? A RANDOMIZED CONTROLLED TRIAL.** Iorio R, Iannotti F, Mazza D, Speranza A, Massafra C, **Guzzini M**, D'Arrigo C, Ferretti A. *SICOT J.* 2019;5:38. doi: 10.1051/sicotj/2019035. Epub 2019 Nov 1. PMID: 31674902.
- 30) **SUSPENSION ARTHROPLASTY VERSUS INTERPOSITION ARTHROPLASTY IN THE TREATMENT OF TRAPEZIOMETACARPAL OSTEOARTHRITIS: A CLINICAL AND MAGNETIC RESONANCE IMAGING STUDY.** **Guzzini M**, Perugia D, Proietti L, Iorio R, Mazza D, Masi V, Ferretti A. *Int Orthop.* 2019 Mar;43(3):647-651. doi: 10.1007/s00264-019-04292-3. Epub 2019 Jan 10. PMID: 30627847.
- 31) **THE MEDIAL FEMORAL CONDYLE FREE CORTICOPERIOSTEAL FLAP VERSUS TRADITIONAL BONE GRAFT FOR TREATMENT OF NONUNIONS OF LONG BONES: A RETROSPECTIVE COMPARATIVE COHORT STUDY.** Ciclamini D, Tos P, **Guzzini M**, Soldati A, Crosio A, Battiston B. *Injury.* 2019 Dec;50 Suppl 5:S54-S58. doi: 10.1016/j.injury.2019.10.049. Epub 2019 Oct 21. PMID: 31711649.
- 32) **THE ROLE OF VASCULARIZED FLAPS IN THE TREATMENT OF PROXIMAL POLE AVASCULAR NECROSIS IN SCAPHOID NON-UNIONS.** **Guzzini M**, Lanzetti RM, Proietti L, Lupariello D, Iorio R, Ferretti A. *Acta Biomed.* 2019 Dec 5;90(12-S):64-68. doi: 10.23750/abm.v90i12-S.8367. PMID: 31821286.
- 33) **THE USE OF CARBON-PEEK VOLAR PLATE AFTER DISTAL RADIUS OSTEOTOMY FOR KIENBOCK'S DISEASE IN A VOLLEYBALL ATHLETE: A CASE REPORT.** **Guzzini M**, Princi G, Proietti L, Ferretti A. *Acta Biomed.* 2019 Dec 5;90(12-S):152-155. doi: 10.23750/abm.v90i12-S.8828. PMID: 31821300.
- 34) **PREVENTION OF SYMPTOMATIC NEUROMA IN TRAUMATIC DIGITAL AMPUTATION: A RAND/UCLA APPROPRIATENESS METHOD CONSENSUS STUDY.** Crosio A, Albo E, Marcoccio I, Adani R, Bertolini M, Colonna MR, Felici N, **Guzzini M**, Atzei A, Riccio M, Titolo P, Tos P. *Injury.* 2020 Dec;51 Suppl 4:S103-S107. doi: 10.1016/j.injury.2020.03.018. Epub 2020 Mar 9. PMID: 32178845.
- 35) **SURGICAL TREATMENT OF A VOLUMINOUS MEDIAN NERVE LIPOFIBROMATOUS HAMARTOMA INVOLVING DISTAL FOREARM: A CASE REPORT.** Pecchia S, **Guzzini M**, Koverech G, Arioli L, Andreozzi V, Perugia D. *JBJS Case Connect.* 2021 Apr 29;11(2). doi: 10.2106/JBJS.CC.20.01022. PMID: 33914715.

- 36) **COMPARISON BETWEEN CONSERVATIVE AND SURGICAL TREATMENT IN PROXIMAL HUMERAL FRACTURES. A PROSPECTIVE RANDOMIZED STUDY WITH 5-YEARS FOLLOW-UP.** Guzzini M, Lanzetti RM, et Al. MLTJ 2021, 11(2) pp 240-245.
- 37) **THE EFFECT OF SHELTER-IN-PLACE ON ORTHOPEDIC TRAUMA VOLUMES IN ITALY DURING THE COVID-19 PANDEMIC.** Andreozzi V, Marzilli F, Muselli M, Previ L, Cantagalli MR, Princi G, Guzzini M, Ferretti A. Acta Biomed. 2021 May 12;92(2):e2021216. doi: 10.23750/abm.v92i2.10827.PMID: 33988156.
- 38) **DONORSITE DEFECT OF MEDIAL FEMORAL CONDYLE CORTICOPERIOSTEAL FLAP IN THE TREATMENT OF LOWER LIMB INFECTED NONUNIONS.** Guzzini M, Arioli L, Rugiero C, Rossini M, Argento G, Ferretti A. Handchir Mikrochir Plast Chir. 2021 Aug;53(4):376-382. doi: 10.1055/a-1240-0181. Epub 2020 Nov 12.
- 39) **CLINICAL, FUNCTIONAL AND RADIOLOGICAL OUTCOMES OF THE USE OF FIXED VOLAR LOCKING PLATES IN CORRECTIVE DISTAL OSTEOTOMY FOR FRACTURE MALUNION.** Pace V, Sessa P, Guzzini M, et Al. Acta Biom, 2021, 92(3).
- 40) **THE EFFECTIVENESS OF KINESIO TAPING IN IMPROVING PAIN AND EDEMA DURING EARLY REHABILITATION AFTER ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION: A PROSPECTIVE, RANDOMIZED, CONTROL STUDY.** Labianca L, Andreozzi V, Princi G, Princi AA, Calderaro C, Guzzini M, Ferretti A. Acta Biomed. 2022 Jan 19;92(6):e2021336. doi: 10.23750/abm.v92i6.10875.
- 41) **VASCULAR AND BONE REGENERATION OF THE DONOR SITE AFTER CORTICOPERIOSTEAL FLAP FROM THE MEDIAL FEMORAL CONDYLE.** Guzzini M, Lupariello D, Argento G, Arioli L, Ferretti A. Hand (N Y). 2022 Mar;17(2):366-372. doi: 10.1177/1558944720930299. Epub 2020 Jul 19. PMID: 32686510.
- 42) **CORRELATION BETWEEN RISK FACTORS AND HEALING TIMES IN LONG BONES NONUNIONS TREATED WITH CORTICOPERIOSTEAL FLAP FROM THE MEDIAL FEMORAL CONDYLE.** Guzzini M, Ciclamini d, Arioli L, et Al. Journal of Reconstructive Microsurgery. 2022, 39(7), pp. 502-507.
- 43) **BUFALINI-PERUGIA DISTRACTION ARTHROPLASTY OF THE TRAPEZIOMETACARPAL JOINT: EIGHT YEARS FOLLOW-UP** Perugia D, Guzzini M, Koverech G, et Al. Minerva Orthopedics, 2022, 73(3), pp 247-252.
- 44) **TRAPEZIOMETACARPAL JOINT PROSTHESES IN THE TREATMENT OF THE FIRST CARPO.METACARPAL JOINT OSTEOARTHRITIS.** Guzzini M, Arioli L, Rugiero C, et Al. Minerva Orthopedics, 2022, 73(3), pp 27, 277.
- 45) **TRAPEZIOMETACARPAL JOINT OSTEOARTHRITIS.** Guzzini M. Minerva Orthopedics, 2022, 73(3), pp 239-240.
- 46) **IS IT REALLY NECESSARY TO PERFORM VENOUS ANASTOMOSIS IN VASCULARIZED BONE FLAP? A RANDOMIZED PROSPECTIVE 4-YEAR FOLLOW-UP STUDY.** Guzzini M, Arioli L, Mori F, Ferretti A. Injury, 2022, 53(8) pp. 2859-2864.
- 47) **INTERPOSITION ARTHROPLASTY VERSUS DUAL CUP MOBILITY PROSTHESIS IN TREATMENT OF TRAPEZIOMETACARPAL JOINT OSTEOARTHRITIS: A PROSPECTIVE RANDOMIZED STUDY.** Guzzini M, Arioli L, Annibaldi A, et Al. Hand, 2023.
- 48) **MULTIFACTORIAL ANALYSIS OF TREATMENT OF LONG-BONE ONUNION WITH VASCULARIZED AND NONVASCULARIZED BONE GRAFTS.** Guidi M, Guzzini M, Civitenga C, et Al. Journal of Hand and Microsurgery. 2023, 15(2), pp. 106-115.
- 49) **DISTRACTION ARTHROPLASTY FOR BASAL THUMB OSTEOARTHRITIS: 10-YEAR FOLLOW-UP.** Guidi M, Bufalini C, Guzzini M, et Al. Journal of Hand Surgery, 2023, 48(8), pp. 796-802.
- 50) **THE USE OF MEDIAL CONDYLE CORTICOPERIOSTEAL FLAP IN THE TREATMENT OF NONUNIONS OF UPPER AND LOWER LIMBS.** Arioli L, Frittella G, Bagni C, Biondi E, Guzzini M. Minerva Orthopedics 2024, June;75(3):224-224.
- 51) **PROTESI TRAPEZIOMETACARPALI A DOPPIA MOBILITA' PER IL TRATTAMENTO DELLA RIZOARTROSI: RISULTATI CLINICI E RADIOGRAFICI A 2 ANNI DI FOLLOW-UP.** Guzzini M, Arioli L, Biondi E, Romano A. Rivista Italiana di Chirurgia della Mano. 2023; 60:48-54.
- 52) **CLINICAL RESULTS IN ACL SURGERY.** Ferretti A, Morelli F, Guzzini M. Anterolateral rotatory instability in ACL deficient knee 2022, pp. 153-162.
- 53) **ANATOMY OF SECONDARY RESTRAINTS OF ACL.** Ferretti A, Guzzini M, Viglietta E. Anterolateral rotatory instability in ACL deficient knee 2022, pp. 11-21.
- 54) **ASPETTI DEL CALCIO FEMMINILE.** M. Guzzini, A. Ferretti. Medico del calcio. Il manuale; Capitolo 20. Ed Edra. 2018.
- 55) **L'ARTROPLASTICA DI INTERPOSIZIONE NEL TRATTAMENTO DELLA RIZOARTROSI.** Perugia D, Civitenga C, Guidi M, Lepri M, Masi V, Dominedo' C, Guzzini M, Rivista Italiana di Chirurgia della Mano. 2014. vol. 51 (1). pg. 57-62.
- 56) **TRAPIANTI OSSEI. (BOOK)** Montanaro, Guzzini, Battiston, Turturro, Ferretti. **Trapianti d'organo e tessuti, Cap 31**, Società ed. Universo 411-420.



- 57) **MANUALE DI MICROCHIRURGIA. DALLE TECNICHE DI BASE A QUELLE AVANZATE. (BOOK)** Guzzini M, et. Al. **Timeo editore, 2015.**
- 58) **PROTESI TRAPEZIO-METACARPALI A DOPPIA MOBILITÀ.** (chapter) Guzzini M, Carità E. Manuale di tecniche chirurgiche SICM, Verduci Editore, 2024 in press.
- 59) **LEMBO CORTICOPERIOSTALE DAL CONDILO FEMORALE MEDIALE** (chapter) Guzzini M, Tos P. Manuale di tecniche chirurgiche SICM, Verduci Editore – 2024 in press.

**H- Index: 15 (Scopus)**

## **PARTICIPATIONS IN PATENTS OR SPIN-OFF**

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- Designer of the “Triangular wrist plate” produced by CARBOFIX – 2016 PAT.N. 19267 Rev. 07/04.2029.
- Assignment as an expert, as a member of the commission for admissibility to the Phase I clinical trial, by the National Institute of Health, for the study "Reconstruction of scaphoid bone deficits through the use of ex-vivo expanded autologous mesenchymal stem cells". Protocol No. 23467(13)-PRE21-1213 from 02-08-2013 to 20-08-2013.

## CONGRESS ACTIVITY

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- 21° SIM (Società Italiana di Microchirurgia) Congress. Speaker - "Modificazioni della placca motrice in seguito a denervazione muscolare" -06.05.2005 – 07.05.2005.
- 43° SICM (Società Italiana di Chirurgia della Mano) Congress. Speaker - "Modificazioni muscolari in seguito a denervazione e successiva reinnervazione mediante tecnica Muscolo in Vena" 28.09.2005 – 28.09.2005.
- Winner of the award for best work presented at the XI National Congress of Residents in Orthopaedics and Traumatology at the University of Parma with the work entitled "Experimental study on the early stages of neuromuscular degeneration and regeneration following reparative surgery of peripheral nerve lesions (Muscle in Vein technique)" from 10.02.2006 to 10.02.2006.
- 12° National Congress of Orthopaedics and Traumatology Residents at the University of Parma. Speaker - "Densitometric modifications of Acetylcholine receptors after muscle denervation and subsequent reinnervation" Parma, 09.02.2007.
- 22° SIM (Società Italiana di Microchirurgia) Congress. Speaker - "Modifiche strutturali della placca motrice, dopo denervazione e successiva reinnervazione muscolare". 16.11.2007 – 17.11.2007.
- First Atlanto Pacific Microsurgery Conference - Exchanging Perspectives European Federation of Societies for Microsurgery. Invited speaker - "Microsurgical training courses: my experience". Genova, 14.03.2008 – 16.03.2008.
- Present State of Peripheral Nerve Surgery. Invited speaker "P09 Schwann cells and muscle fibers share a common autotrophic loop based on NRG1/ErbB signalling pathway: perspectives for improving postsurgical peripheral nerve regeneration". Vienna, 14-03-2008 – 16.03.2008.
- 46° SICM (Società Italiana di Chirurgia della Mano) Congress. Speaker- "L'utilizzo delle placche volari nelle fratture articolari del polso. Risultati clinico-strumentali a 2 anni f.u." 15.09.2008 – 18.09.2008.
- AAOS (American Academy of Orthopaedic Surgeons). Presenter -"Distraction Arthroplasty of the Trapeziometacarpal Joint". Las Vegas, USA, 25.02.2009 – 28.02.2009.
- XIV National Congress of Orthopaedics and Traumatology residents. Speaker - "Trapeziometacarpal distraction arthroplasty: a 3-years follow-up study". Parma, 03.04.2009
- 47° SICM (Società Italiana di Chirurgia della Mano) Congress. Speaker - "L' artroplastica in Distrazione nell' instabilità trapeziometacarpale. Risultati clinici a 3 anni f.u. " Rome, 08.10.2009 – 09.10.2009.
- AAOS – (American Academy of Orthopaedics Surgeons). Speaker - "Denervation and reinnervation of adult skeletal muscle modulate mRNA expression of neuregulin-1 and ERBB receptors" New Orleans, USA, 09.03.2010 – 11.03.2010.

- Hands across Africa. Speaker - "Distraction arthroplasty of T-M joint: a new surgical technique for the treatment of basal thumb osteoarthritis" Hoedspruit- South Africa, 28.04.2010 – 02.05.2010.
- 10° E.F.S.M Congress of the European Federation of Societies for Microsurgery. Speaker- "Denervation and reinnervation-related changes in neuromuscular plates after direct muscular neurotization" 20.05.2010 – 22.05.2010.
- 49° SICM (Società Italiana di Chirurgia della Mano) Congress. Speaker - "Fissazione percutanea delle fratture metacarpali con chiodo endomidollare bloccato" 06.10.2011 – 08.10.2011.
- 49° SICM (Società Italiana di Chirurgia della Mano) Congress. Speaker - "Risultati del trattamento delle pseudoartrosi delle ossa lunghe mediante lembo libero corticoperiostale dal condilo femorale mediale" 06.10.2011- 08.10.2011.
- 49° SICM (Società Italiana di Chirurgia della Mano) Congress. Speaker - "Systematic review of direct muscle neurotisation on rat. Quantitative analysis of muscolare trophism after neurotisation". 06.10.2011 – 08.10.2011.
- 24° SIM (Società Italiana di Microchirurgia) Congress. Speaker- "Il trattamento delle pseudoartrosi dell'arto superiore mediante lembo corticoperiostale dal condilo femorale mediale" 20.10.2011 – 22.10.2011.
- 1° European ESTROT congress. Speaker - "Microsurgical corticoperiosteal free flaps in long bones nonunions". Milan, 14.01.2013.
- AAOS (American Academy of Orthopaedic Surgeons). Speaker - " Treatment of nonunions of Radius bone with Vascularized femoral corticoperiosteal free flap" Chicago, USA -19.03.2013 – 23.03.2013.
- 98° SIOT (Società Italiana di Ortopedia e Traumatologia) Congress. Speaker - "Trattamento microchirurgico delle pseudoartrosi mediante lembo libero corticoperiostale" 26.10.2013 – 29.10.2013.
- F-MARC FIFA - ISOKINETIC - Congress. Moderator- Il calcio femminile oggi: prevenzione degli infortuni e recupero post infortunio. Bologna, 28.04.2014 – 28.04.2014.
- F-MARC FIFA - ISOKINETIC - Congress. Speaker - "Prevenzione e trattamento degli infortuni nel calcio femminile". Bologna, 28.04.2014 – 28.04.2014.
- AAOS (American Academy of Orthopaedic Surgeons). Speaker- "Treatment of bone nonunions with microsurgical corticoperiosteal flap from the medial femoral condyle" Las Vegas, USA - 25.03.2015 – 27.03.2015.
- EFORT Congress. Presenter- "Surgical treatment of wrist fractures with Carbon-PEEK volar locking plate. Preliminary report". Prague, 27.05.2015 - 29.05.2015.
- AAOS (American Academy of Orthopaedic Surgeons) Presenter- " The Treatment of Long Bones Nonunions of Upper Limb with Microsurgical Cortico-periosteal Free Flap". San Diego, USA – 14.03.2017 – 19.03.2017.
- EFFORT Congress. Presenter- "Does Lateral Tenodesis Improve Clinical Results Of ACL Reconstruction In Elite Female Soccer Players?" Vienna, 31.05.2017 – 02.06.2017.

- 27° SIM (Società Italiana di Microchirurgia) Congress. Speaker " I lembi ossei sono più efficaci degli innesti ossei nel trattamento delle pseudoartrosi dello scafoide carpale?" 26.10.2017 – 28.10.2017.
- AAOS (American Academy of Orthopaedic Surgeons). Speaker "Are vascularized bone flaps more effective than bone grafts in the treatment of Scaphoid nonunions?" - New Orleans, USA 06.03.2018 – 11.03.2018.
- 46° A.L.O.T.O. meeting. Speaker– “Il trattamento delle pseudoartrosi asettiche”. Rome, 07.04/.2020.
- ALOTO congress “Gestione dei pazienti con grave perdita di tessuti molli” – speaker- Rome, 08.06.2020.
- 58 SICM (Società Italiana di Chirurgia della Mano) congress “Artroplastica in sospensione vs artroprotesi a doppia mobilità nel trattamento della Rizoartrosi. Studio comparativo prospettico a 6 mesi di follow-up” Speaker- Virtual congress 1-3.10.2020.
- 59 SICM (Società Italiana di Chirurgia della Mano) congress “I lembi liberi corticoperiostei nelle nonunions delle ossa lunghe dell'avambraccio. Speaker - Ancona, 14-16.10.2021.
- AITOG congress - “complicanze nelle fratture di omero prossimale”. Speaker - Rome, 2-3.12.2021.
- AITOG congress - “le fratture dell’omero prossimale” moderator - Rome, 2-3.12.2021.
- AAOS (American Academy of Orthopaedic Surgeons). Presenter “Treatment of first carpo-metacarpal joint arthritis using a dual mobility prosthesis” as presenter. Chicago, USA- 22-26.05.2022.
- Cadaver Lab “La protesica nella mano” – Director- Verona, 22-23.04.2023.
- SICM Società Italiana di Chirurgia della Mano - “Management delle fratture del radio distale”, webinar, moderator 31.05.2022.
- SICM Società Italiana di Chirurgia della Mano “Traumi distorsivi del polso – Instabilità del carpo”, webinar, moderator, 30.06.2022.
- SICM Società Italiana di Chirurgia della Mano “Le lussazioni perilunate del carpo” webinar, moderator, 27.07.2022.
- SICM Società Italiana di Chirurgia della Mano Young “le fratture extraarticolari di metacarpi e falangi” webinar, moderator 27.09.2022.
- SICM Società Italiana di Chirurgia della Mano congress “battle on la Rizoartrosi” moderator- Varese, 13-15.10.2022.
- SICM Società Italiana di Chirurgia della Mano congress “Protesi totale biarticolare trapezio-metacarpale” Speaker- Varese, 12-15.10.2022.
- SICM Società Italiana di Chirurgia della Mano congress “E’ veramente necessaria l’esecuzione dell’anastomosi venosa nel lembo corticoperiostale vascularizzato? Studio prospettico randomizzato a 4 anni di follow-up” Speaker- Varese, 12-15.10.022.
- SICM Società Italiana di Chirurgia della Mano congress- session “Proposte studi Multicentrici” Moderator- Varese, 12-15.10.2022.
- SICM Società Italiana di Chirurgia della Mano congress- session “SICM Young” - President - Varese, 12-15.10.2022.

- SICM Società Italiana di Chirurgia della Mano Young “le fratture articolari di metacarpi e falangi” webinar, moderator. 25.10.2022.
- SICM Società Italiana di Chirurgia della Mano Young “Patologia del nervo periferico” webinar, moderator, 29.11.2022.
- SICM Società Italiana di Chirurgia della Mano Young “lesioni dei tendini flessori”, webinar, moderator, 18.04.2023.
- Giornata di Approfondimento in chirurgia della Mano – Ospedale Gaetano Pini “La protesi Touch trapezio-metacarpale” Speaker- Milano, 27.04.2023.
- FESSH (Federation of European Society for Surgery of the Hand) congress “Dual mobility prosthesis in treatment of trapezio-metacarpal osteoarthritis: a prospective study of 97 patients. Speaker – Rimini, 10-13.05.2023.
- FESSH (Federation of European Society for Surgery of the Hand) congress “Medial femoral condyle corticoperiosteal flaps for long bones nonunions” Speaker- Rimini, 10-13.05.2023.
- FESSH (Federation of European Society for Surgery of the Hand) congress “12 patients treated bilaterally with dual mobility prosthesis and trapeziectomy with suspension arthroplasty for trapeziometacarpal osteoarthritis: a multicentre study with 2-year follow-up” Speaker- Rimini, 10-13.05.2023.
- SICM Società Italiana di Chirurgia della Mano Young “Fratture dello Scafoide” webinar, moderator, 13.06.2023.
- SICM Società Italiana di Chirurgia della Mano Young “La rizoartrosi” webinar, moderator, 13.09.2023.
- SICM Società Italiana di Chirurgia della Mano Young “la rizoartrosi” webinar, speaker. 13.9.2023.
- Touch expert meeting. Invited speaker – Verona, 06.10.2023.
- FOCUS ON FOOTBALL MEDICINE- “Le condropatie nella calciatrice, ci sono differenze?”- Speaker - Rome, 17.10.2023.
- SICM Società Italiana di Chirurgia della Mano congress session “False friends nelle urgenze in chirurgia della mano” – President- Genova, 20-21.10.2023.
- SICM Società Italiana di Chirurgia della Mano congress instructional course Microchirurgia in chirurgia della mano “Condilo femorale Mediale/laterale” Speaker- Genova, 20-21.10.2023.
- SIM (Società Italiana di Microchirurgia) congress “Il ruolo delle anastomosi venose nei lembi ossei” – Speaker - Rome, 24.11.2023.
- SIM (Società Italiana di Microchirurgia) congress panel “mano e arto superiore” moderator - Rome, 24.11.2023.
- SICM Società Italiana di Chirurgia della Mano Young “Amputazioni apicali digitali” webinar, moderator, 21.02.2024.

- SICM Società Italiana di Chirurgia della Mano Instructional course “Il polso” moderator - Verona, 15.03.2024.
- LO SCAFOIDE CARPALE, speaker - Terni, 20.4.2024
- EFSM (European Federation of Societies for Microsurgery) – Speaker, Milan, 9-11.5.2024
- EFSM ((European Federation of Societies for Microsurgery) – Moderator, Milan, 9-11.5.2024
- Società Italiana di Chirurgia della Mano Young “Il morbo di Kienbock” webinar -modarator- 09.07.2024
- Cadaver Lab- Anatomic dissection of upper limb- AUOT-AISOT- Teacher, Verona, 16.7.2024

## TEACHINGS

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October 2024- Diseases of Musculoskeletal system- CDL Medicina e Chirurgia -Unicamillus University – Rome, Italy

October 2024- Locomotive System Diseases -CDL Physiotherapy- Unicamillus university- Rome, Italy

2021 – Today -Chirurgia protesica della mano - Master degree “Riabilitazione della mano e dell’arto superiore”  
Cattolica University – Rome, Italy.

2020–Today - Sports injuries of upper limbs - UEFA Cascade doctor Education Programm – Rome, Italy.

2019 – 2021- Director of Master’s degree “Patologia elettiva e traumatica della Mano e del Polso” – Sapienza University - Rome, Italy.

2016 – Sept. - 2024- Emergenze Medico-Chirurgiche – Sapienza University, CdL 30896 – Medicina e Chirurgia  
“D”– Azienda Policlinico Umberto I LM-41. Rome, Italy.

2016 – Sept. - 2024 - Malattie dell’apparato locomotore – Chirurgia della Mano e Microchirurgia ricostruttiva –  
Sapienza University, CdL Medicina e Chirurgia – AOU S. Andrea. Rome, Italy.

2016 – Sept.- 2024-Metodologia generale della riabilitazione – Chirurgia della Mano e Microchirurgia ricostruttiva  
– Sapienza University. CdL 30017 – Fisioterapia – Rome, Italy.

2016 – Sept. - 2024- Scienze Tecniche Ortopediche III- Sapienza University. CdL 30023- Tecniche Ortopediche  
- Rome, Italy.

2016 – Sept. - 2024- Fisiologia in Podologia - Piede e Caviglia - Sapienza University. CdL 30018- Podologia –  
Rome, Italy.

2016 – Sept.- 2024- -Fisiologia in Podologia - Mano ed arto superiore - Sapienza University. CdL 30018- Podologia – Rome, Italy.

2016–Sept.- 2024- Chirurgia della Mano e Microchirurgia Ricostruttiva -Graduate School In Orthopedics and Traumatology -Sapienza University, AOU S. Andrea – Rome, Italy.

2014–2018 -Chirurgia della mano e dell'arto superiore Master degree “Traumatologia dello Sport” - Sapienza University – Rome, Italy.

2010 – Today - Tutor at the Advanced Microsurgical Techniques Course of the Italian Society of Microsurgery and Italian Society of Hand Surgery (from 2010 to Today) - Centro di Biotecnologie – Naples, Italy.

2004 – Today - Tutor at basic course in microsurgery of Italian Society of Microsurgery – CTO Hospital – Turin, Italy.

Rome, 12/8/2024

