

PERSONAL INFORMATION

Mattia Loppini

📍 Via Francesco Anzani 1, 20135 Milan, Italy

☎ +39-02-82244600 📠 +39-3384673618

✉ mattia.loppini@hunimed.eu; mattia.loppini@gmail.com

📅 Date of birth 09/08/1984 | 🇮🇹 Nationality Italian

POSITION

Orthopaedic and Trauma Consultant at Department of Orthopaedics and Trauma Surgery, Hip Diseases and Joint Replacement Surgery Unit, Humanitas Research Hospital, Rozzano (Milan) Italy
Assistant Professor of Locomotor Apparatus Disease and Physical and Rehabilitative Medicine, Humanitas University, Pieve Emanuele (Milan) Italy

WORK EXPERIENCE

June 2015 - present

Orthopaedic and Trauma Surgery Consultant at “Hip Diseases and Joint Replacement Surgery Unit”

Prof. Guido Grappiolo, Humanitas Research Hospital, Rozzano, Milan, Italy

<http://www.humanitas.it/>

- Replacement surgery (primary and revisions), conservative open and arthroscopic surgery of hip and knee.
- Treatments of viscosupplementation and regenerative medicine of hip and knee joints.
- Clinical and translational research to improve the current techniques and to develop innovative techniques in replacement and arthroscopic surgery; to improve the outcome of patients undergoing hip and knee replacement surgery; to develop follow-up protocols based on artificial intelligence for patients with hip and knee replacement; to develop protocols for rapid postoperative recovery (“fast track” in replacement surgery); to improve the diagnostic-therapeutic approach for periprosthetic infections; to improve regenerative medicine strategies for degenerative diseases of hip and knee.

Activities or fields. Replacement surgery, conservative open and arthroscopic surgery of hip and knee.

May 2010 - May 2015

Orthopaedic and Trauma Surgery Resident at “Departement of Orthopaedic and Trauma Surgery”

Prof. Vincenzo Denaro, Campus Bio-Medico University of Rome, Rome, Italy

<http://www.unicampus.it/>

- Replacement surgery of hip, knee and shoulder; arthroscopic surgery of shoulder, knee and ankle; hand surgery; foot and ankle surgery; spine surgery.
- Multidisciplinary treatment of bone metastases (Centre of Oncology Orthopaedics of Italian Society of Oncology Orthopaedics).
- Operative and non-operative management of bone fractures and emergency room activity (“San Giovanni Addolorata” Hospital, Rome – Prof. Andrea Campi).
- Replacement surgery of hip and knee; open and arthroscopic conservative surgery of the hip (“Humanitas Research Hospital”, Rozzano, Milan – Prof. Guido Grappiolo).
- Treatments of viscosupplementation and injection of growth factors for hip, knee, shoulder and ankle joints.
- Clinical research to improve the current techniques and to develop innovative techniques in arthroscopic surgery of shoulder, knee and ankle for the management of sport trauma; to improve the outcome of patients undergoing arthroscopic surgery of shoulder, knee and ankle; to prevent sport injuries; to improve the diagnostic-therapeutic approach for bone metastases.
- Translational research in the field of tissue engineering for regeneration of the intervertebral disc and cartilage.

Activities or fields. Replacement surgery of hip, knee and shoulder; arthroscopic surgery of shoulder, knee and ankle; hand surgery; foot and ankle surgery; spine surgery.

November 2011 - August 2012

Clinical and research fellow at “Centre of Sports and Exercise Medicine - Queen Mary University of London”

Prof. Nicola Maffuli, Barts and the London, Queen Mary University of London, London, United Kingdom

<http://www.bartshealth.nhs.uk/>

- Open and arthroscopic/endoscopic surgery for the management of tendinopathies, tendon rupture, ligament and muscular injuries.
- Clinical research to improve the current surgical techniques and to develop innovative surgical techniques and to improve the outcome of patients undergoing surgery for the management of tendinopathies, tendon rupture, ligament and muscular injuries; to develop score systems for sport injury prevention and rehabilitation protocols.

Activities or fields. Open and arthroscopic/endoscopic surgery for the management of tendinopathies, tendon rupture, ligament and muscular injuries.

July 2008 - September 2008

Visiting research fellow at “Orthopaedic Surgery Department Ferguson Laboratory for Spine Research”

Prof. James D. Kang, Orthopaedic Surgery Department Ferguson Laboratory for Spine Research, University of Pittsburgh, United States

<http://www.orthonet.pitt.edu/>

- Translational research in the field of intervertebral disc degeneration.

Activities or fields. Laboratory and translational research.**DIDACTIC EXPERIENCE**

2018 - 2019

Professor in Master Course “Regenerative medicine for musculoskeletal system”

Humanitas University, Pieve Emanuele (Milano)

<http://www.hunimed.eu/>

- Frontal lessons on the application of regenerative medicine in cartilage and osteochondral pathology of the hip and anatomy of the upper and lower limbs. The Master aims to provide participants with both clinical and research evidence and practical skills on the possible use of regenerative medicine in the treatment of pathologies of the musculoskeletal system.
- Execution of surgical interventions and discussion of clinical cases on the application of regenerative medicine in the cartilage and osteochondral pathology of the hip.

Activities or fields. Frontal lectures and execution of surgical interventions and discussion of clinical cases on the application of regenerative medicine in cartilage and osteochondral pathology of the hip.

March 2017 - Present

Assistant Professor in Orthopaedics and Trauma Surgery - Faculty of Medicine and Surgery, Humanitas University

Humanitas University, Pieve Emanuele (Milan) Italy

<http://www.hunimed.eu/>

- Frontal lectures for students of the course in Bone and Joint Diseases (4th year of the Faculty of Medicine and Surgery). The course aims to provide a comprehensive overview of the basic clinical presentations and treatment options for patient presenting with clinical history, physical evaluation, and diagnostic test suggesting orthopaedics or rheumatological diseases.
- Frontal lectures for students of the course in Body Architecture (1st year of the Faculty of Medicine and Surgery). The aim of the lessons is to provide general notions about the musculoskeletal system: bones, joints, and muscles. The fundamental systematic anatomy of skeletal segments, joints and muscles is integrated with elements of topographical anatomy, biomechanics, and radiological and functional anatomy.

Activities or fields. Frontal lectures for students of the course in Bone and Joint Diseases (4th year of the Faculty of Medicine and Surgery). Frontal lectures for students of the course in Body Architecture (1st year of the Faculty of Medicine and Surgery).

March 2017 - Present

Tutor in Orthopaedics and Trauma Surgery - Faculty of Medicine and Surgery, Humanitas University

Humanitas University, Pieve Emanuele (Milan) Italy

<http://www.hunimed.eu/>

- Tutoring activity for students of the course in Bone and Joint Diseases (4th year of the Faculty of Medicine and Surgery). The tutoring service focused on simulation activities by offering practical interactive lessons to perform an orthopaedic physical examination involving spine, shoulder and elbow, wrist/hand, hip, knee and ankle/foot joints.

Activities or fields. Tutoring activity for students of the course in Bone and Joint Diseases (4th year of the Faculty of Medicine and Surgery).

March 2017 - Present **Tutor in Human Anatomy - Faculty of Medicine and Surgery, Humanitas University**

Humanitas University, Pieve Emanuele (Milan) Italy

<http://www.hunimed.eu/>

- Tutoring activity for students of the course in Body Architecture (1st year of the Faculty of Medicine and Surgery). The aim of the practical interactive lessons is the study of the macroscopic anatomy of the musculoskeletal system (bones, joints, muscles) with plastic models.

Activities or fields. Tutoring activity for students of the course in Body Architecture (1st year of the Faculty of Medicine and Surgery).

November 2008 - May 2015 **Personal Tutor - Faculty of Medicine and Surgery, Campus Bio-Medico University of Rome**

Campus Bio-Medico University of Rome, Rome, Italy

<http://www.unicampus.it/>

- Tutoring activity for students attending 1st and 2nd year at the Faculty of Medicine and Surgery. The tutoring focused on study methodology, aiming to promote an effective time management, improvement in self-confidence and exploitation of specific interests in the field of medicine, which would have helped in future career development. Guidance to all the other services offered by the Atheneum was also provided.

Activities or fields. Tutoring activity for students attending 1st and 2nd year at the Faculty of Medicine and Surgery.

2005 - 2006 **Tutor in Human Anatomy - Faculty of Medicine and Surgery, Campus Bio-Medico University of Rome**

Prof. Sergio Morini, Campus Bio-Medico University of Rome, Rome, Italy

<http://www.unicampus.it/>

- Tutoring activity for students of the course in Human Anatomy (1st and 2nd year of the Faculty of Medicine and Surgery). The tutoring service focused on both microscopic anatomy, by offering practical interactive lessons with specimens to be looked together at the microscope, and macroscopic anatomy, by offering practical interactive lessons held with human plastic models and videos of human dissection.

Activities or fields. Tutoring activity for students of the course in Human Anatomy (1st and 2nd year of the Faculty of Medicine and Surgery).

EDUCATION AND TRAINING

March 2012 - July 2015 **Doctor of Philosophy program in "Oncology Orthopaedics"**

Prof. Giuseppe Tonini, Campus Bio-Medico University of Rome, Rome, Italy

May 2010 - May 2015 **Resident program in "Orthopaedic and Trauma Surgery"**

Prof. Vincenzo Denaro, Campus Bio-Medico University of Rome, Rome, Italy

Vote: 50/50 cum laude

September 2003 - July 2009 **Faculty of Medicine and Surgery**

Campus Bio-Medico University of Rome, Rome, Italy

Vote: 110/110 summa cum laude

2006-2009 **Internship at “Departement of Orthopaedic and Trauma Surgery”**

Prof. Vincenzo Denaro, Campus Bio-Medico University of Rome, Rome, Italy

2005-2006 **Internship at “Human Anatomy”**

Prof. Sergio Morini, Campus Bio-Medico University of Rome, Rome, Italy

1998-2003 **High School “Liceo Ginnasio Statale Gaetano De Sanctis”**

Liceo Ginnasio Statale Gaetano De Sanctis, Rome, Italy

Vote: 100/100 summa cum laude

EDUCATIONAL COURSES

July 2019

Theoretical and practical course for tutor in simulation

Humanitas University, Pieve Emanuele (Milano)

November 2016 - September 2017

Advanced Training Course in Clinical Epidemiology

Humanitas University, Rozzano, Milan, Italy

July 2016

Practical course on cadaver in hip arthroscopy

Hip individual training program (Simth&Nephew), Verona Italy

January 2015 - December 2015

Theoretical and practical course in hip and knee replacement surgery (BFR 2.0 – Biomet)

April 2015

AOTrauma Course - Basic Principles of Fracture Management

AO trauma, Pacengo sul Garda, Italy

May 2014

Theoretical course in hip replacement revision surgery

Zimmer instructional course, Milan, Italy

March 2014

Theoretical course in hip and knee replacement surgery

Zimmer instructional course, Milan, Italy

November 2013

Theoretical and practical course in hip and knee replacement surgery

SIGASCOT, Arezzo, Italy

May 2011

Advanced theoretical and practical course in external fixation

Stryker, Latina, Italy

MEMBERSHIPS

Società Italiana di Ortopedia e Traumatologia (SIOT) - Italian Society of Orthopaedic and Traumatology

Società Italiana Artroscopia Ginocchio Arto superiore Sport Cartilagine Tecnologie Ortopediche (SIAGASCOT) - Italian Society of Knee Arthroscopy Sport Cartilage and Orthopaedic Technologies

Società Italiana dell'Anca (SIaA) - Italian Hip Society

European Hip Society (EHS)

European Society of Sports Traumatology Knee Surgery and Arthroscopy (ESSKA)

SCIENTIFIC COMETTEES

- 2018 - Present Scientific Director - Fondazione Livio Sciutto Ricerca Biomedica in Ortopedia - ONLUS
- 2014-2016 Upper Limb Committee - Società Italiana del Ginocchio Artrosopia Sport Cartilagine Tecnologie Ortopediche (SIGASCOT) - Italian Society of Knee Arthroscopy Sport Cartilage and Orthopaedic Technologies

PEER REVIEWED JOURNALS

- Editor** Orthopedics & Rheumatology Open Access (OROA) (April 2016 – present)
- Associate Editor** BMC Musculoskeletal Disorders (March 2014 – present)
MOJ Orthopedics & Rheumatology (January 2015 – present)
- Editorial Board Member** International Journal Of Orthopaedic (March 2014 – present)
Journal of Minimally Invasive Orthopedics (May 2014 – present)
- Reviewer** Journal of Arthroplasty
Hip International
International Orthopaedics
Knee Surgery Sports Traumatology Arthroscopy Journal
BMC Musculoskeletal Disorders
International Journal Of Orthopaedic
Journal of Orthopaedics and Traumatology
Journal of Minimally Invasive Orthopedics

SCIENTIFIC ACTIVITY

Scientific National Abilitation for Associate Professor of Locomotor Apparatus Disease and Physical and Rehabilitative Medicine since 11th September 2018.

Author of 81 publications in international journals (Pubmed) and 18 other publications and book chapters.

H-index: Scopus: 25; Google Scholar: 33.

SCOPUS ID: 24802487100

ORCID ID: 0000-0001-8569-0669

PERSONAL COMPETENCES

Mother tongue Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	Intermediate	Advanced	Intermediate	Intermediate	Advanced

- Communication skills**
- Good communication and teaching skills acquired through mentoring activities (individual and group) carried out during the undergraduate and residence programs.

- Informatics skills**
- Good command of Microsoft Office and Apple Mac tools, and medical statistics computer tools (SPSS, Stata).

Publications

1. **Loppini M**, Temporiti F, Furone R, Galli M, Grappiolo G, Gatti R. **Static and dynamic pelvic kinematics after one-stage bilateral or unilateral total hip arthroplasty.** *Hip Int.* *In press*
2. Longo UG, Petrillo S, Candela V, Rizzello G, **Loppini M**, Maffulli N, Denaro V. **Arthroscopic rotator cuff repair with and without subacromial decompression is safe and effective: a clinical study.** *BMC Musculoskelet Disord.* 2020 Jan 11;21(1):24.
3. Longo UG, Petrillo S, **Loppini M**, Candela V, Rizzello G, Maffulli N, Denaro V. **Metallic versus biodegradable suture anchors for rotator cuff repair: a case control study.** *BMC Musculoskelet Disord.* 2019 Oct 25;20(1):477.
4. Temporiti F, Zanotti G, Furone R, **Loppini M**, Molinari S, Zago M, Galli M, Grappiolo G, Gatti R. **Functional and postural recovery after bilateral or unilateral total hip arthroplasty.** *J Electromyogr Kinesiol.* 2019 Oct;48:205-211.
5. Longo UG, Rizzello G, Petrillo S, **Loppini M**, Maffulli N, Denaro V. **Conservative Rehabilitation Provides Superior Clinical Results Compared to Early Aggressive Rehabilitation for Rotator Cuff Repair: A Retrospective Comparative Study.** *Medicina (Kaunas).* 2019 Jul 24;55(8).
6. Temporiti F, Zanotti G, Furone R, Molinari S, Zago M, **Loppini M**, Galli M, Grappiolo G, Gatti R. **Gait analysis in patients after bilateral versus unilateral total hip arthroplasty.** *Gait Posture.* 2019 Jul;72:46-50.
7. **Loppini M**, Schiavi P, Della Rocca A, Traverso F, Della Rocca F, Mazziotta G, Astore F, Grappiolo G. **Double trabecular metal cup technique for the management of Paprosky type III defects without pelvic discontinuity.** *Hip Int.* 2018 Nov;28(2-suppl):66-72.
8. **Loppini M**, Delle Rose G, Borroni M, Morengi E, Pitino D, Domínguez Zamora C, Castagna A. **Is the Instability Severity Index Score a Valid Tool for Predicting Failure After Primary Arthroscopic Stabilization for Anterior Glenohumeral Instability?** *Arthroscopy.* 2019 Feb;35(2):361-366.
9. Brambilla L, Bianchi A, Malerba F, **Loppini M**, Martinelli N. **Lateral ankle ligament anatomic reconstruction for chronic ankle instability: Allograft or autograft? A systematic review.** *Foot Ankle Surg.* 2018 Dec 6. pii: S1268-7731(18)30384-9.
10. Grappiolo G, La Camera F, Della Rocca A, Mazziotta G, Santoro G, **Loppini M**. **Total hip arthroplasty with a monoblock conical stem and subtrochanteric transverse shortening osteotomy in Crowe type IV dysplastic hips.** *Int Orthop.* 2018; Sep 5. doi: 10.1007/s00264-018-4122-5.
11. Denaro L, Berton A, Ciuffreda M, **Loppini M**, Candela V, Brandi ML, Longo UG. **Surgical management of chordoma: A systematic review.** *J Spinal Cord Med.* 2018; Jul 26:1-16.
12. **Loppini M**, Grappiolo G. **Uncemented short stems in primary total hip arthroplasty: The state of the art.** *EFORT Open Rev.* 2018 May 9;3(5):149-159.
13. Maffulli N, Oliva F, **Loppini M**, Aicale R, Spiezia F, King JB. **The Royal London Hospital Test for the clinical diagnosis of patellar tendinopathy.** *Muscles Ligaments Tendons J.* 2017 Sep 18;7(2):315-322.
14. Di Martino A, Martinelli N, **Loppini M**, Piccioli A, Denaro V. **Is endoprosthesis safer than internal fixation for metastatic disease of the proximal femur? A systematic review.** *Injury.* 2017;48 Suppl 3:S48-S54.
15. **Loppini M**, Longo UG, Caldarella E, Della Rocca A, Denaro V, Grappiolo G. **Femur first surgical technique: a smart non-computer-based procedure to achieve the combined anteversion in primary total hip arthroplasty.** *BMC Musculoskelet Disord.* 2017;18(1):331.
16. Lora-Tamayo J, Senneville É, Ribera A, Bernard L, Dupon M, Zeller V, Li HK, Arvieux C, Clauss M, Uçkay I, Vigante D, Ferry T, Iribarren JA, Peel TN, Sendi P, Miksic NG, Rodríguez-Pardo D, Del Toro MD, Fernández-Sampedro M, Dapunt U, Huotari K, Davis JS, Palomino J, Neut D, Clark BM, Gottlieb T, Trebše R, Soriano A, Bahamonde A, Guío L, Rico A, Salles MJC, Pais MJG, Benito N, Riera M, Gómez L, Aboltins CA, Esteban J, Horcajada JP, O'Connell K, Ferrari M, Skaliczki G, Juan RS, Cobo J, Sánchez-Somolinos M, Ramos A, Giannitsioti E, Jover-Sáenz A, Baraia-Etxaburu JM, Barbero JM, Choong PFM, Asseray N, Ansart S, Moal GL, Zimmerli W, Ariza J; Group of Investigators for Streptococcal Prosthetic Joint Infection. Collaborators: Chaves F, Moreno-Beamud JA, Arribas RN, Nguyen S, Murillo O, Cabo X, Pedrero S, Dauchy F, Dutronc H, de Barbeyrac B, Scarborough M, McNally M, Atkins B, Tattevin P, Ghéno M, Ouamara-Digue E, Kessler B, Lustig S, Valour F, Chdiac C, Goenaga MÁ, Mitxelena A, Moreno E, Ihan MB, Krajnc Z, Pignatelli C, Corona Pérez-Cardona PS, Espinar CP, Suárez AI, Ezcurra MM, Fariñas M, Vuorinen M, Leskinen J, Yolland T, Lowenthal M, Praena J, Fornell S, Gómez MJ, Jutte PC, Mihelič A, Mihalič R, Bori G, Morata L, Tomero E, Foz CF, Villabrille SG, Novoa M, Honda EK, Cury RPL, Corredoira J, Coll P, Mur I, Crusi X, Ramírez A, Montaner F, Cuchí E, Blanco A, García-Cañete J, Parrón R, Sorlí L, Puig L, Prim N, Lakatos B, Prinz G, Gresco G, Ruiz-Garbajosa P, Arriaza MM, Sánchez-Romero I, García Viejo MÁ, Loarte JC, Papadopoulos A, Ramírez-Hidalgo MF, Prats-Gispert L, Pérez-Villar F, Romanyk J, Grappiolo G, **Loppini M**, Scardino M, Cheong E, McKew G, Ronnachi A. **The Not-So-Good Prognosis of Streptococcal Periprosthetic Joint Infection Managed by Implant Retention: The Results of a Large Multicenter Study.** *Clin Infect Dis.* 2017;64(12):1742-1752.
17. Longo UG, **Loppini M**, Del Vescovo R, Cazzato L, Zobel BB, Maffulli N, Denaro V. **A Safety of dorsal wrist arthroscopy portals: A magnetic resonance study.** *Surgeon.* 2018 Apr;16(2):101-106. doi: 10.1016/j.surge.2016.09.008. Epub 2016 Nov 14.
18. **Loppini M**, Longo UG, Ragucci P, Trenti N, Balzarini L, Grappiolo G. **Analysis of the pelvic functional orientation in the sagittal plane: a radiographic study with EOS 2D/3D technology.** *J Arthroplasty.* 2017 Mar;32(3):1027-1032.

19. Vadalà G, Russo F, Ambrosio L, **Loppini M**, Denaro V. **Stem cells sources for intervertebral disc regeneration.** *World J Stem Cells.* 2016 May 26;8(5):185-201.
20. Maffulli N, **Loppini M**, Spiezia F, D'Addona A, Maffulli GD. **Single minimal incision fasciotomy for chronic exertional compartment syndrome of the lower leg.** *J Orthop Surg Res.* 2016 May 24;11(1):61.
21. van Dijk CN, Longo UG, **Loppini M**, Florio P, Maltese L, Ciuffreda M, Denaro V. **Classification and diagnosis of acute isolated syndesmotic injuries: ESSKA-AFAS consensus and guidelines.** *Knee Surg Sports Traumatol Arthrosc.* 2016 Apr;24(4):1200-16.
22. van Dijk CN, Longo UG, **Loppini M**, Florio P, Maltese L, Ciuffreda M, Denaro V. **Conservative and surgical management of acute isolated syndesmotic injuries: ESSKA-AFAS consensus and guidelines.** *Knee Surg Sports Traumatol Arthrosc.* 2016 Apr;24(4):1217-27.
23. Longo UG, Rizzello G, Ciuffreda M, **Loppini M**, Baldari A, Maffulli N, Denaro V. **Elmslie-Trillat, Maquet, Fulkerson, Roux Goldthwait, and Other Distal Realignment Procedures for the Management of Patellar Dislocation: Systematic Review and Quantitative Synthesis of the Literature.** *Arthroscopy.* 2016 May;32(5):929-43.
24. Longo UG, van der Linde JA, **Loppini M**, Coco V, Poolman RW, Denaro V. **Surgical Versus Nonoperative Treatment in Patients Up to 18 Years Old With Traumatic Shoulder Instability: A Systematic Review and Quantitative Synthesis of the Literature.** *Arthroscopy.* 2016 May;32(5):944-52.
25. Longo UG, Rizzello G, **Loppini M**, Locher J, Buchmann S, Maffulli N, Denaro V. **Multidirectional Instability of the Shoulder: A Systematic Review.** *Arthroscopy.* 2015 Dec;31(12):2431-43.
26. Longo UG, **Loppini M**, Petrillo S, Berton A, Maffulli N, Denaro V. **Management of cervical fractures in ankylosing spondylitis: anterior, posterior or combined approach?** *Br Med Bull.* 2015 Sep;115(1):57-66.
27. Grappiolo G, **Loppini M**, Longo UG, Traverso F, Mazziotta G, Denaro V. **Trabecular Metal Augments for the Management of Paprosky Type III Defects Without Pelvic Discontinuity.** *J Arthroplasty.* 2015 Jun;30(6):1024-9.
28. Longo UG, **Loppini M**, Trovato U, Rizzello G, Maffulli N, Denaro V. **No difference between unicompartmental versus total knee arthroplasty for the management of medial osteoarthritis of the knee in the same patient: a systematic review and pooling data analysis.** *Br Med Bull.* 2015 Jun;114(1):65-73.
29. Longo UG, Forriol F, **Loppini M**, Lanotte A, Salvatore G, Maffulli N, Denaro V. **The safe zone for avoiding suprascapular nerve injury in bone block procedures for shoulder instability. A cadaveric study.** *Knee Surg Sports Traumatol Arthrosc.* 2015 May;23(5):1506-10.
30. Longo UG, Rizzello G, **Loppini M**, Ciuffreda M, Berton A, Maffulli N, Denaro V. **Authors' reply.** *Arthroscopy.* 2015 Mar;31(3):394-5.
31. Longo UG, **Loppini M**, Berton A, Salvatore G, Laverde L, Maffulli N, Denaro V. **Degenerative changes of the sacroiliac joint after spinal fusion: an evidence-based systematic review.** *Br Med Bull.* 2014 Dec;112(1):47-56.
32. Longo UG, **Loppini M**, Rizzello G, Ciuffreda M, Maffulli N, Denaro V. **Remplissage, humeral osteochondral grafts, Weber osteotomy and shoulder arthroplasty for the management of humeral bone defects in shoulder instability: systematic review and quantitative synthesis of the literature.** *Arthroscopy.* 2014 Dec;30(12):1650-66.
33. Maffulli N, Del Buono A, **Loppini M**, Denaro V. **Ipsilateral free semitendinosus tendon graft with interference screw fixation for minimally invasive reconstruction of chronic tears of the Achilles tendon.** *Oper Orthop Traumatol.* 2014 Oct;26(5):513-519.
34. Longo UG, **Loppini M**, Rizzello G, Ciuffreda M, Maffulli N, Denaro V. **Latarjet, Bristow, and Eden-Hybinette Procedures for Anterior Shoulder Dislocation: Systematic Review and Quantitative Synthesis of the Literature.** *Arthroscopy.* 2014 Sep;30(9):1184-1211.
35. Castricini R, Longo UG, De Benedetto M, **Loppini M**, Zini R, Maffulli N, Denaro V. **Arthroscopic-assisted latissimus dorsi transfer for the management of irreparable rotator cuff tears. Short-term results.** *J Bone Joint Surg Am.* 2014 Jul;96(14):e119.
36. Longo UG, **Loppini M**, Rizzello G, Ciuffreda M, Maffulli N, Denaro V. **Management of primary acute anterior shoulder dislocation: systematic review and quantitative synthesis of the literature.** *Arthroscopy.* 2014 Apr;30(4):506-22.
37. Longo UG, **Loppini M**, Rizzello G, Romeo G, Huijsmans PE, Denaro V. **Glenoid and humeral head bone loss in traumatic anterior glenohumeral instability: a systematic review.** *Knee Surg Sports Traumatol Arthrosc.* 2014 Feb;22(2):392-414.
38. Longo UG, **Loppini M**, Margiotti K, Salvatore G, Berton A, Khan WS, Maffulli N, Denaro V. **Unravelling the genetic susceptibility to develop ligament and tendon injuries.** *Curr Stem Cell Res Ther.* 2014;10(1):56-63.
39. Forriol F, Longo UG, Duarte J, Ripalda P, Vaquero J, **Loppini M**, Romeo G, Campi S, Khan W, Muda AO, Denaro V. **VEGF, BMP-7, MatrigelTM, Hyaluronic Acid, in Vitro Cultured Chondrocytes and Trephination for Healing of the Avascular Portion of the Meniscus. An Experimental Study in Sheep.** *Curr Stem Cell Res Ther.* 2015;10(1):69-76.
40. Longo UG, Petrillo S, Berton A, Spiezia F, **Loppini M**, Maffulli N, Denaro V. **Role of serum fibrinogen levels in patients with rotator cuff tears.** *Int J Endocrinol.* 2014;2014:685820. doi: 10.1155/2014/685820.

41. Longo UG, **Loppini M**, Romeo G, Maffulli N, Denaro V. **Evidence-based surgical management of spondylolisthesis: reduction versus arthrodesis in situ.** J Bone Joint Surg Am. 2014 Jan;96(1):53-8.
42. **Loppini M**, Longo UG, Niccoli G, Berton A, Salvatore G, Khan WS, Maffulli N, Denaro V. **Histopathological scores for tissue-engineered, repaired and degenerated tendon. A systematic review of the literature.** Curr Stem Cell Res Ther. 2015;10(1):43-55.
43. Garcia D, Longo UG, Vaquero J, Forriol F, **Loppini M**, Khan W, Denaro V. **Amniotic Membrane Transplant For Articular Cartilage Repair: An Experimental Study In Sheep.** Curr Stem Cell Res Ther. 2015;10(1):77-83.
44. Maffulli N, Margiotti K, Longo UG, **Loppini M**, Fazio VM, Denaro V. **The genetics of sports injuries and athletic performance.** Muscles Ligaments Tendons J. 2013 Aug;3(3):173-189. Review
45. Maffulli N, **Loppini M**, Denaro V. **Role of percutaneous distal metatarsal osteotomy for the management of hallux valgus deformity.** Arch Orthop Trauma Surg. 2013 Aug;133(8):1181-2.
46. Maffulli N, Del Buono A, **Loppini M**, Denaro V. **Ipsilateral Hamstring Tendon Graft Reconstruction for Chronic Patellar Tendon Ruptures: Average 5.8-Year Follow-up.** J Bone Joint Surg Am. 2013 Sep;95(17):e1231-6.
47. Longo UG, **Loppini M**, Romeo G, Maffulli N, Denaro V. **Histological scoring systems for tissue-engineered, ex vivo and degenerative meniscus.** Knee Surg Sports Traumatol Arthrosc. 2013 Jul;21(7):1569-76.
48. Maffulli N, **Loppini M**, King JB. **Anterior cruciate ligament tears: what we already know.** Knee Surg Sports Traumatol Arthrosc. 2013 Jul;21(7):1704-5.
49. Maffulli N, **Loppini M**, Longo UG, Maffulli GD, Denaro V. **Minimally invasive reconstruction of chronic Achilles tendon ruptures using the ipsilateral free semitendinosus tendon graft and interference screw fixation.** Am J Sports Med. 2013 may;41(5):1100-7.
50. Longo UG, **Loppini M**, Romeo G, van Dijk CN, Maffulli N, Denaro V. **Bone bruises associated with acute ankle ligament injury: do they need treatment?** Knee Surg Sports Traumatol Arthrosc. 2013 Jun;21(6):1261-1268.
51. Maffulli N, **Loppini M**, Longo UG, Denaro V, Oliva F. **Bovine xenograft locking Puddu plate versus tricalcium phosphate spacer non-locking Puddu plate in opening-wedge high tibial osteotomy: a prospective double-cohort study.** Int Orthop. 2013 May;37(5):819-26.
52. Zini R, Longo UG, De Benedetto M, **Loppini M**, Carraro A, Maffulli N, Denaro V. **Arthroscopic Management of Primary Synovial Chondromatosis of the Hip.** Arthroscopy. 2013 Mar;29(3):420-6.
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40. **Loppini M**, Grappiolo G, Longo UG, Cusmà G, Traverso F, Santoro G, Mazziotta G, Denaro V. **Trabecular**

- Metal Augments For The Management Of Paprosky Type III Defects.** 16th EFORT Congress - European Federation of National Associations of Orthopaedics and Traumatology (27-29 May 2015, Prague)
41. Grappiolo G, **Loppini M**, Longo UG, Astore F, Cusmà G, Della Rocca F, Caldarella E, Denaro V. **Cementless Total Hip Arthroplasty With Subtrochanteric Transverse Osteotomy In Crowe Type IV** 16th EFORT Congress - European Federation of National Associations of Orthopaedics and Traumatology (27-29 May 2015, Prague)
 42. **Loppini M**, Grappiolo G, Longo UG, Traverso F, Santoro G, Mazziotta G, Caldarella E, Denaro V. **Ruolo degli augment in tantalio per la ricostruzione acetabolare nei gravi difetti ossei.** 99° Congresso Nazionale della Società Italiana di Ortopedia e Traumatologia (22-25 November 2014, Rome)
 43. Grappiolo G, **Loppini M**, Longo UG, Ricci D, Astore F, Della Rocca F, Ruggeri R, Denaro V. **Risultati clinici e radiografici di un nuovo stelo corto nell'artroprotesi di anca: l'esperienza con stelo GTS™ a minimo 3 anni di follow-up.** 99° Congresso Nazionale della Società Italiana di Ortopedia e Traumatologia (22-25 November 2014, Rome)
 44. **Loppini M**, Longo UG, Forriol F, Salvatore G, Maffulli N, Denaro V. **Identificazione della "zona di sicurezza" per prevenire lesioni del nervo soprascapolare nelle ricostruzioni della glena con trapianto osseo. Studio su cadavere.** 99° Congresso Nazionale della Società Italiana di Ortopedia e Traumatologia (22-25 November 2014, Rome)
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 47. Longo UG, **Loppini M**, Lanotte A, Trovato U, Fumo C, Forriol F, Denaro V. **The role of isolated injuries of the tibio-fibular syndesmosis. A cadaver study.** 5° Congresso Nazionale SIGASCOT - Società Italiana di Chirurgia del Ginocchio, Artroscopia, Sport, Cartilagine e Tecnologie Ortopediche (24-26 September 2014, Parma)
 48. **Loppini M**, Longo UG, Lanotte A, Salvatore G, Forriol F, Maffulli N, Denaro V. **Identificazione della "zona di sicurezza" per prevenire lesioni del nervo soprascapolare nelle ricostruzioni della glena con trapianto osseo. Studio su cadavere.** 5° Congresso Nazionale SIGASCOT - Società Italiana di Chirurgia del Ginocchio, Artroscopia, Sport, Cartilagine e Tecnologie Ortopediche (24-26 September 2014, Parma)
 49. Longo UG, **Loppini M**, Forriol F, Denaro V. **Trapianto di membrana amniotica per la rigenerazione cartilaginea di difetti condrali in un modello sperimentale ovino.** 5° Congresso Nazionale SIGASCOT - Società Italiana di Chirurgia del Ginocchio, Artroscopia, Sport, Cartilagine e Tecnologie Ortopediche (24-26 September 2014, Parma)
 50. **Loppini M**, Longo UG, Denaro V. **PRP and tendinopathies.** 2° Simposio Medicina rigenerativa: nuove frontiere in ortopedia (17 December 2012, Rome)
 51. Maffulli N, Spiezia F, **Loppini M**, Longo UG, Maffulli GD, Denaro V. **Single Minimal Incision Fasciotomy for Chronic Exertional Compartment Syndrome.** 2nd Congress I.S.Mu.L.T. (30 November - 1 December 2012, Naples)
 52. **Loppini M**, Longo UG, Maffulli N, Denaro V. **Generalities, epidemiology and the controversy.** World Sports Trauma Congress and 7th EFORT Congress (17-20 October 2012, London)
 53. **Loppini M**, Longo UG, Berton A, Maffulli N, Denaro V. **Prevention of sports injuries.** World Sports Trauma Congress and 7th EFORT Congress (17-20 October 2012, London)
 54. Longo UG, **Loppini M**, Berton A, Marinozzi A, Maffulli N, Denaro V. **FIFA 11+ per la prevenzione degli infortuni nel basket: uno studio randomizzato controllato.** 97° Congresso Nazionale della Società Italiana di Ortopedia e Traumatologia (10-14 November 2012, Rome)
 55. **Loppini M**, Longo UG, Marineo G, Denaro V. **Tendinopathy of the long head of the biceps.** 5th International S.I.A. Meeting 14 JUNE Session AANA – University (14-16 June 2012, Trieste)
 56. Longo UG, **Loppini M**, Berton A, Maffulli N, Denaro V. **The Fifa 11+ is effective in preventing injuries also in basketball.** Congresso Isokinetic (2011, Bologna)
 57. Vadalà G, Rainer A, Centola M, **Loppini M**, Carotti S, Morini S, Trombetta M, Denaro V. **Differenziazione osteo/condrogenica delle cellule staminali mesenchimali umane di midollo osseo indotta da scaffold in policaprolattone (PCL) funzionalizzati superficialmente.** 95° Congresso Nazionale della Società Italiana di Ortopedia e Traumatologia (20-24 November 2010, Rome)
 58. Vadalà G, Rainer A, **Loppini M**, Centola M, Trombetta M, Denaro V. **Scaffold micro-strutturati bioattivi per la riparazione e la rigenerazione dell'anello fibroso.** 95° Congresso Nazionale della Società Italiana di Ortopedia e Traumatologia (20-24 November 2010, Rome)
 59. Denaro V, Vadalà G, Rainer A, **Loppini M**, Trombetta M. **Scaffold nanostrutturati "intelligenti" per la riparazione dell'anello fibroso.** XI Congresso Nazionale Italian Orthopaedic Research Society (12-13 June 2010, Ancona)
 60. Vadalà G, Rainer A, Centola M, **Loppini M**, Carotti S, Morini S, Trombetta M, Denaro V. **Functionalized PCL Surfaces Drive Osteo/Chondrogenic Differentiation of Human Bone Marrow Mesenchymal Stem Cells.** XII Congresso Nazionale Italian Orthopaedic Research Society (7-8 May 2010, Pavia)

61. Vadalà G, Rainer A, **Loppini M**, Centola M, Denaro L, Trombetta M, Denaro V. **Bioactive micro-structured scaffold for annulus fibrosus**. 3rd International Congress "Biotechnologies for Spinal Surgery - BIOSPINE 3" (2010, Amsterdam)

Posters

1. **Loppini M, Della Rocca F, Della Rocca A, Traverso F, Mazziotta G, Astore F, Grappiolo G. Doppio cotile in metallo trabecolare per il trattamento di difetti ossei acetabolari severi.** 104° Congresso Nazionale della Società Italiana di Ortopedia e Traumatologia (7-10 November 2019, Rome)
2. La Camera F, **Loppini M, Mazziotta G, Ruggeri R, Della Rocca A, Grappiolo G. La revisione acetabolare in pazienti displasici.** 104° Congresso Nazionale della Società Italiana di Ortopedia e Traumatologia (7-10 November 2019, Rome)
3. **Loppini M, Bruno CF, La Camera F, Favazzi C, Casana M, Ferrari MC, Grappiolo G. Is a positive bacterial culture at re-implantation associated with a poor outcome in two-stage revision for periprosthetic joint infection?** 38th EBJS Congress - The European Bone & Joint Infection Society (12-14 September 2019, Antwerp)
4. **Loppini M, La Camera F, Ruggeri R, Della Rocca F, Della Rocca A, Traverso F, Astore F, Grappiolo G. Perioperative Morbidity In Patients Undergoing One-Stage Bilateral Versus Monolateral Total Hip Arthroplasty: A Retrospective Case-Control Study.** 20th EFORT Congress - European Federation of National Associations of Orthopaedics and Traumatology (5-7 June 2019, Lisbona)
5. **Loppini M, La Camera F, Della Rocca A, Della Rocca F, Traverso F, Mazziotta G, Astore F, Grappiolo G. Double-Trabecular Metal Cup Technique For The Management Of Paprosky Type III Defects Without Pelvic Discontinuity.** 20th EFORT Congress - European Federation of National Associations of Orthopaedics and Traumatology (5-7 June 2019, Lisbona)
6. La Camera F, **Loppini M, Mazziotta G, Della Rocca A, Ruggeri R, Grappiolo G. Wagner Cone Stem In Hip Dysplasia: 20-Year Clinical And Radiographic Results.** 20th EFORT Congress - European Federation of National Associations of Orthopaedics and Traumatology (5-7 June 2019, Lisbona)
7. **Loppini M, Gandolfi C, Ruggeri R, Della Rocca A, Astore F, Grappiolo G. Complications and predictive factors of morbidity and mortality in patients undergoing simultaneous bilateral versus monolateral total hip arthroplasty. A retrospective case-control study.** 13th Congress of the European Hip Society (EHS) (20-22 September 2018, The Hague)
8. **Loppini M, Salvatore G, Traverso F, Della Rocca F, Santoro G, Astore F, Ricci D, Grappiolo G. Management of total hip arthroplasty dislocation: A retrospective cohort study in a tertiary referral centre.** 13th Congress of the European Hip Society (EHS) (20-22 September 2018, The Hague)
9. **Loppini M, Ferrentino D, Della Rocca A, Ruggeri R, Mazziotta G, Santoro G, Astore F, Grappiolo G. Short versus conventional femoral cementless stem in total hip arthroplasty: a prospective non-randomized comparative study.** 13th Congress of the European Hip Society (EHS) (20-22 September 2018, The Hague)
10. **Loppini M, Salvatore G, Traverso F, Della Rocca F, Mazziotta G, Santoro G, Astore F, Grappiolo G. Etiology And Management Of Total Hip Arthroplasty Dislocation: A Retrospective Cohort Study In A Tertiary Referral Centre.** 19th EFORT Congress - European Federation of National Associations of Orthopaedics and Traumatology (30 May - 1 June 2018, Barcelona)
11. **Loppini M, Della Rocca A, Ruggeri R, Ferrentino D, Della Rocca F, Traverso F, Astore F, Grappiolo G. Blood Loss In Primary Total Hip Arthroplasty With A Short Vs. Conventional Cementless Stem: A Retrospective Cohort Study In A Tertiary Referral Centre.** 19th EFORT Congress - European Federation of National Associations of Orthopaedics and Traumatology (30 May - 1 June 2018, Barcelona)
12. **Loppini M, Astore F, Della Rocca A, Mazziotta G, Ruggeri R, Santoro G, Grappiolo G. La doppia mobilità nelle revisioni di protesi di anca: risultati clinici e radiografici a medio termine.** 102° Congresso Nazionale della Società Italiana di Ortopedia e Traumatologia (20-23 October 2017, Palermo)
13. Ferrari MC, Eusebio A, **Loppini M, Grappiolo G. Prosthetic joint infections in elderly patients: our two years experience.** 36th EBJS Congress - The European Bone & Joint Infection Society (7-9 September 2017, Nantes)
14. **Loppini M, Della Rocca A, Astore F, Mazziotta G, Ricci D, Santoro G, Grappiolo G. Dual mobility cup in revision total hip arthroplasty: mid-term clinical and radiographic outcomes.** 18th EFORT Congress - European Federation of National Associations of Orthopaedics and Traumatology (31 May - 2 June 2017, Wien)
15. **Loppini M, Mazziotta G, Ruggeri R, Astore F, Della Rocca F, Grappiolo G. Clinical and radiological results at 5 years of follow-up with the GTS short stem.** INTERNATIONAL COMBINED MEETING, BRITISH HIP SOCIETY - SOCIETÀ ITALIANA DELL'ANCA (26-27 November 2015, Milan)
16. Grappiolo G, **Loppini M, Astore F, Santoro G, Traverso F, Ricci D. Mid-long term follow-up results with a new resurfacing technique with a "hybrid" mid-head femoral prosthesis.** INTERNATIONAL COMBINED MEETING, BRITISH HIP SOCIETY - SOCIETÀ ITALIANA DELL'ANCA (26-27 November 2015, Milan)
17. Mazziotta G, **Loppini M, Caldarella E, Astore F, Ruggeri R, Grappiolo G. Femur first surgical technique: a smart non-computer-based procedure to match the safe zone in total hip arthroplasty.** INTERNATIONAL COMBINED MEETING, BRITISH HIP SOCIETY - SOCIETÀ ITALIANA DELL'ANCA (26-27 November 2015, Milan)

18. Longo UG, Rizzello G, Petrillo S, **Loppini M**, Berton A, Denaro V. **Ruolo della decompressione subacromiale nelle riparazioni artroscopiche delle lesioni della cuffia dei rotatori: studio retrospettivo con follow-up a lungo termine.** 99° Congresso Nazionale della Società Italiana di Ortopedia e Traumatologia (22-25 November 2014, Rome)
19. Grappiolo G, **Loppini M**, Longo UG, Ricci D, Astore F, Della Rocca F, Ruggeri R, Denaro V. **Clinical and radiological findings with a new short stem: the GTS experience at a minimum follow-up of 3 years.** 11° Congress European Hip Society (9-11 October 2014, Stockholm)
20. **Loppini M**, Longo UG, Berton A, Maffulli N, Denaro V. **FIFA 11+ per la prevenzione degli infortuni nel basket: uno studio randomizzato controllato.** 5° Congresso Nazionale SIGASCOT - Società Italiana di Chirurgia del Ginocchio, Artroscopia, Sport, Cartilagine e Tecnologie Ortopediche (24-26 September 2014, Parma)
21. Rizzello G, Longo UG, **Loppini M**, Petrillo S, Berton A, Salvatore G, Maffulli N, Denaro V. **Measurement of rotator cuff tendons for the management of partial thickness rotator cuff tears. A magnetic resonance study.** 16th ESSKA Congress (14-17 May 2014, Amsterdam)
22. Rizzello G, Longo UG, Petrillo S, **Loppini M**, Berton A, Salvatore G, Maffulli N, Denaro V. **Arthroscopic rotator cuff repair with or without subacromial decompression. A case series study.** 16th ESSKA Congress (14-17 May 2014, Amsterdam)
23. **Loppini M**, Longo UG, Forriol F, Lanotte A, Salvatore G, Maffulli N, Denaro V. **The safe zone for avoiding suprascapular nerve injury in bone block procedures.** 8th Combined Meeting Of Orthopaedic Research Societies (CORS) (13-16 October 2013, Venezia)
24. **Loppini M**, Longo UG, Berton A, Marinozzi A, Maffulli N, Denaro V. **The FIFA 11+ program for the prevention of injuries in basketball: a cluster randomized controlled trial.** 8th Combined Meeting Of Orthopaedic Research Societies (CORS) (13-16 October 2013, Venezia)
25. Longo UG, **Loppini M**, Berton A, Marinozzi A, Maffulli N, Denaro V. **FIFA 11+ per la prevenzione degli infortuni nel basket: uno studio controllato randomizzato a cluster.** VII CONGRESSO ORTOMED (13-15 December 2012, Firenze)
26. **Loppini M**, Longo UG, Berton A, Marinozzi A, Maffulli N, Denaro V. **The FIFA 11+ program for the prevention of injuries in basketball: a cluster randomized controlled trial.** World Sports Trauma Congress and 7th EFOSST Congress (17-20 October 2012, London)
27. Denaro V, Vadalà V, Rainer A, **Loppini M**, Trombetta M. **"Smart" nanofiber membrane for annulus fibrosus repair and augmentation: an in vitro study.** EuroSpine Meeting (21-24 October 2009, Warszawa)

Research grant

1. Institutional Research Grant, 2019. Title: "**Artificial intelligence for the "virtual follow-up" of patients with primary hip and knee arthroplasty: feasibility and efficacy study.**" Duration: 36 months. Total amount: 50.000,00 eur. Funding agency: IRCCS Istituto Clinico Humanitas. Starting date to be defined.
2. Young Researcher Change Promoting, Ricerca Finalizzata 2018. Title: "**Identification of early predictors of hip and knee arthroplasty failure by developing an innovative software for the automated analysis of radiographic examinations.**" (GR-2018-12367275). Duration: 36 months. Total amount: 450.000,00 eur. Funding agency: Italian Ministry of Health. Starting date to be defined.
3. SIOT Level I Research Grant 2017. Title: "**Prospective observational study to assess the diagnostic ability of Long-Pentraxin 3 protein for the diagnosis of hip and knee periprosthetic joint infections.**" Duration: 18 months. Total amount: 6.000,00 eur. Funding agency: SIOT (Italian Society of Orthopaedic and Traumatology). Closed.
4. SIOT Level I Research Grant 2014. Title: "**Role of preoperative pelvic tilt in determining the range of motion and the rate of dislocation after primary total hip replacement.**" Duration: 18 months. Total amount: 6.000,00 eur. Funding agency: SIOT (Italian Society of Orthopaedic and Traumatology). Closed.

Awards

1. **Visiting Fellowship of European Hip Society for 2018** in The Netherlands.
2. **Best Presentation Award at 13th Congress of European Hip Society**, 20-22 September 2018 The Hague, The Netherlands.
3. Recipient of the **2013 ISAKOS Achilles Orthopaedic Sports Medicine Research Award** for the paper "Longo UG, Loppini M, Berton A, Marinozzi A, Maffulli N, Denaro V. **The FIFA 11+ program is effective in preventing injuries in elite male basketball players: a cluster randomized controlled trial**". The Achilles Orthopaedic Sports Medicine Research Award was created to recognize the researchers(s) who have performed the most outstanding clinical or laboratory research in the field of sports medicine, such as the care and prevention of injuries.
4. Recipient of the **Certificate Of Excellence in Reviewing 2013** by **Foot and Ankle Surgery journal** in cooperation with the European Foot and Ankle Society.