

Name **Matteo Formica**  
 Nationality Italian  
 Birthday 5 January 1979  
 CF FRMMTT79A05D969C  
 Address [REDACTED]  
 E-mail matteo.formica@hsanmartino.it

**WORKING EXPERIENCE**

Period 10/2004 - 11/2009  
 Institution University of Genoa - Azienda Ospedaliera San Martino di Genova, U.O. Clinica Ortopedica e Traumatologica e U.O. Chirurgia Vertebrale  
 Position MD - School of Specialization in Orthopaedics and Traumatology

Period 4/11/2009 - 14/3/2010  
 Institution Policlinico di Monza Group - Sedi di Alessandria e Novara U.O. Chirurgia Vertebrale e U.O. Ortopedia protesica  
 Position Orthopaedic Surgeon - Privat contract

Period 15/3/2010 - 24/7/2010  
 Institution E.O. Ospedali Galliera - Genoa, S.C. Ortopedia e Traumatologia  
 Position Orthopaedic surgeon - Dirigente medico 1° livello - Public contract

Period 16/8/2010 - 30/12/2012  
 Institution IRCCS Azienda Ospedale Università San Martino IST - Genoa U.O. Ortopedia e Traumatologia d' Urgenza  
 Position Orthopaedic surgeon - Dirigente medico 1° livello - Public contract

Period 31/12/2012 - 31/10/2020  
 Institution University of Genoa - IRCCS Policlinico San Martino IST di Genova U.O. Clinica Ortopedica e Traumatologica  
 Position University Researcher - Assistant Professor of Orthopaedics at School of Medicine and School of Specialization in Orthopaedics and Traumatology.

Period 1/11/2020 - until present  
 Institution IRCCS Policlinico San Martino IST di Genova, U.O.C. Clinica Ortopedica e Traumatologica  
 Position Head of the Unit - Director of the School of specialization in Orthopaedics and Traumatology.

Period 1/11/2021 - until present  
 Institution University of Genoa  
 Position Director of the school of specialization in Orthopaedics and Traumatology, Associate Professor

Period 1/11/2021 - until present  
 Institution University of Genoa  
 Position President of the graduate program in Podiatry.

**WORKING EXPERIENCE ABROAD/FELLOWSHIPS**

Period September 2002  
 Institution Orthopaedics and Vertebral Surgery Unit - Karlsbad Klinikum - Germany (Prof. J. Harms)  
 Position Visitor

Period September - October 2004  
 Institution Disabled Children's Home Naro Moru and Ol' Kalau - Kenia, Africa  
 Position MD - Orthopaedic Surgeon as voluntary worker

Period 6/2009 - 7/2019  
 Institution Vertebral Surgery Unit - Shulthess Klinik Zurich - Switzerland (Prof. D. Jeszenszky)  
 Position MD - Orthopaedic Surgeon, Fellow

**INSTRUCTION AND EDUCATION**

Period 1994 - 1999  
 Institute Classical studies at superior school A. D'Oria Genova

Period November 1998 - 22 July 2004  
 Institution University of Genoa

Subject Medicine and Surgery  
 Graduation Degree (marks 110/110 cum laude)

Period Nov 2004 - 3 Nov 2009  
 Institution University of Genoa  
 Subject Orthopaedics surgery and Traumatology  
 Graduation Specialization Diploma (marks 50/50 cum laude)

Date 15 feb 2005  
 Achievement Nation Abilitation as Medical doctor and Surgeon

Date 22 march 2005  
 Achievement Subscription at the Register of medical doctors and surgeons of Genoa, identification number 14651

**FIRST LANGUAGE** Italian  
**OTHER LANGUAGES** English Reading, writing and speech ability: proficient

### TEACHING PROFESSOR

University of Genova, School of Medicine and Surgery

First Degree in Medicine and Surgery (LM-41)  
 30 hours frontal lessons / 30 CFU  
 Malattie apparato locomotore (Teaching code: 67374)

First degree in Motor sciences, sport and health (L-22)  
 30 hours frontal lessons / 30 CFU  
 Malattie apparato locomotore (Teaching code: 80916)

Degree in sciences and techniques of preventive ad adaptative motor activity (LM-67)  
 30 hours frontal lessons / 30 CFU Traumatologia nella terza età (Teaching code: 57766)

Degree in Podiatry (L/SNT2) (President of the degree course) 20 hours frontal lessons / 20 CFU  
 Ortopedia (Teaching code: 67439)

School of Specialization in Orthopaedics and Traumatology (School Director)  
 Frontal and practical lessons  
 School of Specializations in: Occupational Medicine; Oncology; Pediatrics; General Surgery; Geriatrics; Emergency. Frontal lessons

### SCIENTIFIC RESEARCH

Grant winner for the project "Progetto di Ricerca di Ateneo (PRA)" 2013 at University of Genoa. Title: TGF beta1 come marker nel processo di consolidazione delle fratture.

Grant winner for the project "Finanziamento di Ricerca di Ateneo (FRA)" 2018 at University of Genoa. Title: "Derivati piastrinici nella patologia degenerativa del disco intervertebrale: studio preliminare in vitro".

Local coordinator of the multicentre project: "Studio spontaneo, multicentrico, randomizzato, con gruppo di controllo sull'effetto dei campi elettrici ad accoppiamento capacitivo su fratture vertebrali da compressione e BME (Bone Marrow Edema)". 2019.

Grant winner for the project "Finanziamento di Ricerca di Ateneo (FRA)" 2019 at University of Genoa. Title: "Ruolo degli esosomi derivati da cellule mesenchimali nella rigenerazione del disco intervertebrale".

Cadaveric study on periprosthetic fracture of the hip comparing different stem designs. Research project in partnership with Université Libre de Bruxelles École polytechnique de Bruxelles BEAMS Department (Bio Electro and Mechanical Systems) chief Prof. Bernardo Innocenti. 2022.

Local coordinator of a phase 2-3 multicentric study Adaptative, multicenter, randomized, double-blind, parallel-group, placebo controlled clinical trial, on the efficacy and tolerability of different escalating doses and schedules of intra-articular clodronate in patients with painful knee osteoarthritis. Supported by SPA. 2022.

### OTHER INFORMATION

Proved scientific experience and professional independence in the skills of Orthopaedic surgery and traumatology, especially in general orthopaedics, vertebral surgery, joint replacement and emergency trauma.

Numerous scientific publications on national and international journals (as showed afterwards) and others waiting for publication.

From 2010 Referee Reviewer for the international journal CORR (Clinical Orthopaedics and Related Research).  
 From 2010 Referee Reviewer for the international Journal JORT (Journal of Orthopaedics and Traumatology).  
 From 2015 Referee Reviewer for the international journal The Spine Journal (Official Journal of North American Spine Society).  
 From 2017 Referee Reviewer for the international journal European Spine Journal).  
 From 2005 member of SIOT (Italian Society of Orthopaedics and Traumatology).  
 From 2007 member of GIS (Italian Society of Vertebral Surgery).  
 From 2009 member of SPLLOT (Piedmont Ligurian Lombardian Society of Orthopaedics)  
 From 2010 Member of AO Spine.  
 Achievement in 2013 of the European Vertebral Surgeon Diploma from Eurospine (Euro Spine Foundation).  
 From 2017 Editorial Board Member of the Journal SIGM - La ginnastica Medica - Scienze Motorie, Ortopediche e Riabilitative Founded by Prof. Carlo Pais - Pacini Editore Pisa.  
 From November 2017 Editorial Board Member of European Spine Journal.  
 From 1/2022 Associate Editor for Journal of Orthopedics and Traumatology  
 From 2018 National qualification (ASN) as Associate Professor in Orthopaedics and Traumatology Med 33  
 From 2020 National qualification (ASN) as Full Professor in Orthopaedics and Traumatology Med 33

### RECORD OF SURGICAL ACTIVITY

More than 2500 operations as first surgeon in Orthopaedics and Traumatology and more than 1000 as assistant surgeon.  
 Around 200 operation/year in vertebral surgery (degenerative, deformities, trauma, tumors, infections).  
 Around 200 operation/year in major joint arthroplasties (hip and knee mainly and shoulder).  
 Around 100 operation/year in trauma surgery.

### SCIENTIFIC CONGRESSES - COURSES

Faculty/speaker at more than 250 national and international courses and congresses

### SCIENTIFIC PUBLICATIONS

1. C.Formica, S.Francia, V.Lagorio, F.Vittoria, M.Formica, R.Bragazzi, M.C.Coccia: "Meningioma spinale ossificante ad esordio subdolo, contributo della Scuola ortopedica italiana nello studio dei tumori subdurali del rachide". G.I.O.T. 2002; 28: 166-172.
2. C.Formica, V.Lagorio, L.Cavaleri, F.Vittoria, M.Formica: "Il punto di vista dell'ortopedico e del neurochirurgo di fronte alla frattura vertebrale nella fase d'urgenza. Problematiche a confronto". Il Rachide - Italian Journal of Spinal Disorders, Vol. III - fasc. 2 - anno 2003
3. V.Lagorio, L.Cavaleri, F.Vittoria, M.Lombardi, M.Formica: "Il trattamento della Spondilolisi e della Spondilolistesi in età adolescenziale" Rivista La Ginnastica Medica, Vol. LII, Fasc. 2/3, anno 2004.
4. L.Molfetta, A.Zaino, S.Barboro, M.Formica: "Osteoporosis and periprosthetic hip bone-loss: case report", The mediterranean journal of surgery and medicine, 2005: 11: pp13-18.
5. C.Formica, V.Lagorio, L.Cavaleri, F.Vittoria, M.Lombardi, M.Formica: "Fratture vertebrali toraco-lombari. Il trattamento in fase acuta", Rivista Lo Scalpello 2005; 19: pp.13-17.
6. C.Formica, L.Cavaleri, F.Vittoria, M.Lombardi, M.Formica: "Artrodesi intersomatica monoportale con accesso extraforaminale nella patologia degenerativa lombare". Rivista Lo Scalpello OTODI 2005, 19:89 - 93.
7. C.Formica, L.Cavaleri, F.Vittoria, M.Lombardi, M.Formica: "Osteoblastoma a localizzazione vertebrale: Case Report", Giornale italiano di ortopedia e traumatologia G.I.O.T. 2006;32:91-96
8. G.Canepa, F. Franchin, M.Formica, M.Stella: "Le ossa soprannumerarie del piede", Chirurgia del piede 2005 settembre;29(3);119-2
9. G.Canepa, F. Franchin, M.Formica, M.Stella: "Il piede nelle aberrazioni cromosomiche", Chirurgia del piede 2005 giugno;29(2);91-6
10. G.Canepa, F. Franchin, M.Formica, M.Stella: "L'astragalo verticale nelle malattie costituzionali dello scheletro", Chirurgia del piede 2006;30;15-9.
11. G.Canepa, F. Franchin, M.Formica, M.Stella: "Le malformazioni dell'alluce in dismorfologia", Chirurgia del piede 2007;31;151-9.
12. G.Canepa, F. Franchin, M.Formica, M.Stella: "Il piede torto congenito nelle osteodisplasie genotipiche", Chirurgia del piede 2007;31;17-20.
13. C.Formica, M. Formica, L. Cavaleri, G. Buzzi, M.Lombardi: "Cifosi post chirurgica e deficit neurologico corrente - caso clinico" Lo Scalpello (2007) 21:74-75
14. C.Formica, L.Cavaleri, M.Formica, M.Lombardi, G.Buzzi: "Reconstructive surgery of the articulation in the spine. Results in lumbar disc prosthesis". Journal of Orthopaedics and Traumatology (2007) 8:S1 - S120 (abstract book)
15. G.Canepa, F. Franchin, M.Stella, M.Formica: "Le alterazioni dell'arco plantare nelle malattie costituzionali dello scheletro", Chirurgia del piede 2008 aprile;32(1);5-10.
16. C. Formica, L. Cavaleri, M. Formica, G. Buzzi: "Isolated interbody fusion with a posterior transforaminal monoportal access in lumbar degenerative pathology", European Spine Journal (2009) 18:727-780.
17. G.Canepa, F. Franchin, M.Formica, M.Stella: "Il piede nelle neuropatie ereditarie sensoriali", Chirurgia del piede 2009 agosto;33(2);91-4.
18. M.Formica, L.Cavaleri, G.Buzzi, C.Formica: "Fusion and dynamic stabilization with hybrid stiff-dynamic system Flexplus Spine Vision in lumbar DDD", European Spine Journal (2010) 19:834-869.

19. G.Canepa, F. Franchin, M.Stella, M.Formica: "Le osteocondrosi del piede a sede rara", *Chirurgia del piede* 2010 dicembre;34(3);157-61.
20. F. Franchin, M. Formica. Capitolo del Libro: "Ortopedia e Traumatologia", capitolo su "Protesi articolari". Monduzzi editore. 2011.
21. G.Canepa, F. Franchin, M.Stella, M.Formica, Bedeschi F.: "Le deformità del piede nelle malattie costituzionali dello scheletro", *Chirurgia del piede* 2012 aprile;36(1);7-35.
22. C. Formica, G. Buzzi, L. Cavaleri, M. Formica: "Extreme lateral interbody fusion (xlif) in degenerative lumbar pathologies. Selection process and preliminary results", Abstract XXXVI Italian Spine Society National Congress, *European Spine Journal* (2013) 22:900-952, 20.
23. M. Formica, A.Capuzzo, F. Sanguineti, F. Franchin: " Il femore displasico nella protesizzazione dell'anca" *GIOT Dic* 2013(suppl.2);39:9497
24. M. Formica, A.Capuzzo, F. Sanguineti, F. Franchin: "Dysplasic femur in total hip replacement", Abstract from the 2013 congress of the Italian hip society. *Hip International* Vol. 23 no. 6, 601, 2013
25. M. Formica, M. Stella: " New intervertebral device? No just a bullet in L3L4 disc". *The Spine Journal* 2014 Jan;14(1):192-3. doi: 10.1016/j.spinee.2013.08.004. Epub 2013 Nov 5
26. Sanguineti F, Mangano T, Formica M, Franchin F.: "Total knee arthroplasty with rotating-hinge Endo-Model prosthesis: clinical results in complex primary and revision surgery." *Arch Orthop Trauma Surg.* 2014 Sep 2. [Epub ahead of print] *Journal* 14 (2014) 192-193
27. Formica M, Berjano P, Cavagnaro L, Zanirato A, Piazzolla A, Formica C.: "Extreme lateral approach to the spine in degenerative and post traumatic lumbar diseases: selection process, results and complications." *European Spine Journal* (2014) 23 (Suppl 6):S684-S692 DOI 10.1007/s00586-014-3545-y
28. Formica M, Cavagnaro L., Formica C. : "Pott's Disease" , *The Spine Journal*, Nov [Epub ahead of print] Nov 2014. 15 (2015) 556-557
29. Cavagnaro L, Basso M., Alessio Mazzola M, Formica M: "Lumbar traction in the management of low back pain: a survey of latest result", *J Nov Physiother* 2014, 4:5 <http://dx.doi.org/10.4172/2165-7025.1000231>
30. Formica M, Felli L, Cavagnaro L, Zanirato A, Formica C.: "Neurofibrosarcoma of the Lumbar Spine with a Misleading Onset." *The Spine Journal* [Epub ahead of print] dic 2014, 15 (2015) 793-794
31. C. Formica, M. Formica: "Critical Analysis of a series of adjacent segment disease after TLIF and PLIF procedure", Abstract XXXVIII Italian Spine Society National Congress, *European Spine Journal* (2015) 24:872-903, pag. 878.
32. Formica M., Santolini F, Alessio-Mazzola M, Repetto I., Andretta A., Stella M.: "Closed medial multifragmented fracture with a posterior tibialis tendon rupture. A case report and review of the literature", *Journal of Foot and Ankle Surgery*, Epub ahead of print may 2015, Doi 10.1053/j.jfas.2015.03.007
33. Basso M., Formica M., Sanguineti F., Concina C., Alecci V. Is minimally invasive anterior approach to the hip related to high risk of heterotopic ossification? A clinical and radiographic assessment. *Minerva Ortopedica e Traumatologica* 2015 Agosto;66(4):153-9
34. Formica M., Cavagnaro L., Formica C, Mastrogiacomo M, Basso M, Di Martino A. "What is the preclinical evidence on platelet rich plasma and intervertebral disc degeneration?" *European Spine Journal* 08/2015; DOI:10.1007/s00586-015-4189-2
35. Formica M., Cavagnaro L, Basso M, Zanirato A, Felli L, Formica C. "Is it possible to preserve lumbar lordosis after hybrid stabilization? Preliminary results of a novel rigid-dynamic stabilization system in degenerative lumbar pathologies" *Eur Spine Journal* 10/2015; DOI: 10.1007/s00586-015-4264-8
36. Formica M., Cavagnaro L., Formica C, Mastrogiacomo M, Basso M, Di Martino A. "Erratum to: What is the preclinical evidence on platelet rich plasma and intervertebral disc degeneration?" *European Spine Journal* 10/2015; DOI:10.1007/s00586-015-4289-z
37. Formica M., Cavagnaro L., Zanirato A., Felli L., Formica C. "Proximal junctional spondylodiscitis after pedicle subtraction osteotomy." *The Spine Journal*, 12 oct. 2015, doi: 10.1016/j.spinee.2015.09.050
38. Piazzolla A., Formica M., Bizzoca D., Moretti B. Chapter 11 "La stimolazione biofisica del rachide" of the book: " Biofisica Ortopedica e Traumatologica nella pratica clinica", CIC Edizioni Internazionali, Rome 2016
39. Biggi S., Cavagnaro L, Formica M., Felli L, Franchin F. " Bilateral periprosthetic hip fracture: how we do it", *Hip International* 2015; 25 (Suppl.1): S114, DOI: 10.5301/hipint.5000335
40. Basso M., Formica M., Concina C., Alecci V., Franchin F. "Is minimally invasive anterior approach to the hip related to high risk of heterotopic ossification?A clinical and radiographic assessment", *Hip International* 2015; 25 (Suppl.1): S70, DOI: 10.5301/hipint.5000334
41. Formica M, Basso M, Cavagnaro L, Formica C, Zanirato A, Felli L., Kümmell disease: illustrative case for definition criteria, *The Spine Journal*, 2016 Mar 18. pii: S1529-9430(16)00493-9. doi: 10.1016/j.spinee.2016.03.035.
42. Formica M, Cavagnaro L, Zanirato A, Basso M, Felli L, Formica C. "Segmental kyphosis after short segment thoracolumbar fracture fixation with intermediate screws: who is at risk?", *European Spine Journal* (2016) 25:1300-1346
43. Formica M, Felli L, Cavagnaro L, Basso M, Zanirato A, Formica C. "Lumbar lordosis preservation after hybrid stabilization: preliminary results of a novel rigid-dynamic stabilization system in degenerative lumbar pathologies", *European Spine Journal* (2016) 25:1300-1346
44. Formica M, Alessio-Mazzola M, Basso M, Cavagnaro L, Intradiscal ozone therapy for the treatment of low back pain: a review of the literature. *Minerva Ortopedica e Traumatologica* 2016 giugno;67(2): 112-8
45. Alessio-Mazzola M, Formica M, Coviello M, Basso M, Felli L. Conservative treatment of meniscal tears in anterior cruciate ligament reconstruction. *The Knee* (2016) 2016 Aug;23(4):642-6. doi: 10.1016/j.knee.2015.08.003.

46. Formica M, Cavagnaro L, Basso M, Zanirato A, Felli L, Formica C, Di Martino A. Which patients risk segmental kyphosis after short segment thoracolumbar fracture fixation with intermediate screws? *Injury*. 2016 Aug 3. pii: S0020-1383(16)30345-X. doi: 10.1016/j.injury.2016.07.048
47. Felli L, Garlaschi G, Muda A, Tagliafico A, Formica M, Zanirato A, Alessio-Mazzola M. Comparison of clinical, MRI and arthroscopic assessments of chronic ACL injuries, meniscal tears and cartilage defects. *Musculoskelet Surg*. 2016 Sep 14.
48. Cavagnaro L, Basso M, Zanirato A, Divano S, Biggi S, Palermo A, Formica M, Felli L The fate of the neck after Collum Femurs Preserving (CFP) prosthesis: a 19-years single center experience. *Hip International* 2016; 26 (Suppl 2) DOI: 10.5301/hipint.5000450
49. Formica M, Cavagnaro L, Zanirato A. Reply to "Letter to the Editor: adjacent segment infection complicates long segment fusion in elderly patients". *Spine J*. 2016 Sep;16(9):1161. doi: 10.1016/j.spinee.2016.05.005.
50. Formica M, Cavagnaro L, Basso M, Zanirato A, Palermo A, Felli L. What is the fate of the neck after a collum femoris preserving prosthesis? a nineteen years single center experience. *International Orthopaedics (SICOT)* DOI 10.1007/s00264-016-3350-9
51. Repetto I, Alessio-Mazzola M, Cerruti P, Sanguineti F, Formica M, Felli L. Surgical management of complex proximal humeral fractures: pinning, locked plate and arthroplasty: Clinical results and functional outcome on retrospective series of patients. *MUSCULOSKELETAL SURGERY* January 2017 DOI: 10.1007/s12306-017-0451-6
52. Basso M, Cavagnaro L, Zanirato A, Divano S, Formica C, Formica M, Felli L. What is the clinical evidence on regenerative medicine in intervertebral disc degeneration? *Musculoskelet Surg* January 2017. DOI 10.1007/s12306-017-0462-3
53. Zanirato A, Cavagnaro L, Basso M, Divano S, Formica C, Felli L, Formica M. Vertebral body osteonecrosis: pathophysiology, risk factors, imaging and treatment. a systematic review of the literature, *European Spine Journal* 26(4):1333 DOI: 10.1007/s00586-017-5051-5
54. Molfetta L, Formica M, Palermo A. Prevention and treatment of vertebral fragility fractures and re-fractures *European Spine Journal* 26(4):1353: 91 March 2017. DOI: 10.1007/s00586-017-5051-5
55. Basso M, Formica M, Cavagnaro L, Federici M, Lombardi M, Lanza F, Felli L. Unilateral external fixator in the treatment of humeral shaft fractures: results of a single center retrospective study. *Musculoskelet Surg* April 2017. DOI 10.1007/s12306-017-0473-0
56. Formica M, Cavagnaro L, Basso M, Zanirato A, Divano S, Felli L, Formica C Extreme lateral interbody fusion in spinal revision surgery: clinical results and complications. *European Spine Journal*, Accepted May 2017. Doi:10.1007/s00586-017-5115-6.
57. Cavagnaro L, Formica M, Basso M, Zanirato A, Divano S, Felli L. Femoral revision with primary cementless stems: a systematic review of the literature. *Musculoskelet Surg*. 2017 Jul 1. doi: 10.1007/s12306-017-0487-7. [Epub ahead of print] Review.
58. Formica M, Divano S, Cavagnaro L, Basso M, Zanirato A, Formica C, Felli L. Lumbar total disc arthroplasty: outdated surgery or here to stay procedure? A systematic review of current literature. *J Orthop Traumatol*. 2017 Jul 6. doi: 10.1007/s10195-017-0462-y. [Epub ahead of print] Review.
59. Basso M, Formica M, Cavagnaro L, Felli L Osteonecrosi asettica della testa femorale: studio istologico e considerazioni genetiche Avascular necrosis of femoral head: histological analysis and genetic considerations, *Giornale Italiano di Ortopedia e Traumatologia*, 2017;43:227-232
60. Formica M, Case Report on Kummel Disease, *Giornale Italiano di Ortopedia e Traumatologia*, 2017;43:271-272
61. Muraglia A, Van Thi Nguyen, Nardini M, Moggi M, Coviello D, Dozin B, Strada P, Baldelli I, Formica M, Cancedda R, Mastrogiacomo M . Culture Medium supplements Derived from human Platelet and Plasma: cell commitment and Proliferation support. *Frontiers Bioeng. Biotechnol.*, 20 November 2017, doi.org/10.3389/fbioe.2017.00066.
62. Alessio-Mazzola M, Repetto I, Biti B, Trentini R, Formica M, Felli L. Autologous US-guided PRP injection versus US-guided focal extracorporeal shock wave therapy for chronic lateral epicondylitis: A minimum of 2-year follow-up retrospective comparative study. *J Orthop Surg (Hong Kong)*. 2018 Jan-Apr;26(1):2309499017749986. doi: 10.1177/2309499017749986.
63. Felli L, Formica M, Lovisolo S, Capello AG, Alessio-Mazzola M. Clinical Outcome of Arthroscopic Lateral Retinacular Release for Symptomatic Bipartite Patella in Athletes. *YJARS Arthroscopy: The Journal of Arthroscopic and Related Surgery*. 2018 Feb 15. pii: S0749-8063(17)31494-9. doi: 10.1016/j.arthro.2017.11.038.
64. Divano S, Camera A, Biggi S, Tornago S, Formica M, Felli L. Tibial tubercle osteotomy (TTO) in total knee arthroplasty, is it worth it? A review of the literature. *Arch Orthop Trauma Surg*. 2018 Jan 23. doi: 10.1007/s00402-018-2888-y.
65. Zanirato A, Damilano M, Formica M, Piazzolla A, Lovi A, Villafañe JH, Berjano P. Complications in adult spine deformity surgery: a systematic review of the recent literature with reporting of aggregated incidences. *Eur Spine J*. 2018 Sep;27(9):2272-2284. doi: 10.1007/s00586-018-5535-y. Epub 2018 Mar 1.
66. Formica M, Zanirato A, Cavagnaro L, Basso M, Divano S, Lamartina C, Berjano P, Felli L, Formica C. Vertebral body osteonecrosis: proposal of a treatment-oriented classification system. *Eur Spine J*. 2018 Jun;27(Suppl 2):190-197. doi: 10.1007/s00586-018-5600-6. Epub 2018 Apr 16.
67. Divano S, Cavagnaro L, Zanirato A, Basso M, Felli L, Formica M. Porous metal cones: gold standard for massive bone loss in complex revision knee arthroplasty? A systematic review of current literature. *Arch Orthop Trauma Surg*. 2018 Jun;138(6):851-863. doi: 10.1007/s00402-018-2936-7. Epub 2018 Apr 18.
68. Zanirato A, Cavagnaro L, Basso M, Divano S, Felli L, Formica M. Metaphyseal sleeves in total knee arthroplasty revision: complications, clinical and radiological results. A systematic review of the literature. *Arch Orthop Trauma Surg*. 2018 Jul;138(7):993-1001. doi: 10.1007/s00402-018-2967-0. Epub 2018 May 29.

69. Formica M, Zanirato A, Cavagnaro L, Basso M, Divano S, Formica C, Felli L. What is the Current Evidence on Vertebral Body Osteonecrosis?: A Systematic Review of the Literature. *Asian Spine J.* 2018 Jun;12(3):586-599. doi: 10.4184/asj.2018.12.3.586. Epub 2018 Jun 4.
70. Massone E, Orlandi D, Bellelli A, Martino F, Cavagnaro L, Formica M, Caruso P, Silvestri E. Real-time fusion-imaging in low back pain: a new navigation system for facet joint injections. *Radiol Med.* 2018 Jul 3. doi: 10.1007/s11547-018-0916-1.
71. Felli L, Formica M, Lovisolo S, Capello AG, Alessio-Mazzola M. Author Reply to "Regarding 'Clinical Outcome of Arthroscopic Lateral Retinacular Release for Symptomatic Bipartite Patella in Athletes'". *Arthroscopy.* 2018 Aug;34(8):2270-2271. doi: 10.1016/j.arthro.2018.06.005.
72. Alessio-Mazzola M, Formica M, Russo A, Sanguineti F, Capello AG, Lovisolo S, Felli L. Outcome after Combined Lateral Extra-articular Tenodesis and Anterior Cruciate Ligament Revision in Professional Soccer Players. *J Knee Surg.* 2018 Sep 18. doi: 10.1055/s-0038-1672120.
73. Roato I, Belisario DC, Compagno M, Lena A, Bistolfi A, Maccari L, Mussano F, Genova T, Godio L, Perale G, Formica M, Cambieri I, Castagnoli C, Robba T, Felli L, Ferracini R. Concentrated adipose tissue infusion for the treatment of knee osteoarthritis: clinical and histological observations. *Int Orthop.* 2018 Oct 11. doi: 10.1007/s00264-018-4192-4
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BIBLIOMETRIC PARAMETERS ON LINE ON SCOPUS OR GOOGLE SCHOLAR  
ORCID NUMBER: 0000-0003-2388-9693

Genova, 29 July 2022

Prof. Matteo Formica

A handwritten signature in orange ink, appearing to read 'Matteo Formica', written over the typed name.