

# **CURRICULUM VITAE - BERARDO DI MATTEO**

## **PERSONAL DETAILS**

Name: Berardo Di Matteo

Adress: Via Giangaleazzo 2, MILANO, ITALY

E-mail: berardo.dimatteo@gmail.com

Nationality ITALIAN

Date of birth 20/05/1985

## **INSTITUTIONAL DETAILS**

Location CENTRO PER LA RICOSTRUZIONE BIOLOGICA E FUNZIONALE DEL  
GONOCCHIO – ISTITUTO CLINICO HUMANITAS – ROZZANO (MILANO)

CENTRO DI ORTOPEDIA PROTESICA – ISTITUTO SAN PIO X HUMANITAS -  
MILANO

Adress Via Alessandro Manzoni 56, Rozzano (Mi)

E-mail berardo.di\_matteo@humanitas.it

## **WORKING EXPERIENCE**

- Date 01/2009 – 02/217

- Institution RIZZOLI ORTHOPAEDIC INSTITUTE & BIOMECHANICS  
LABORATORY

- Position ATTENDANT RESEARCHER (2009-may 2011); RESIDENT IN  
ORTHOPAEDIC SURGERY (June 2011-June 2016); ORTHOPAEDIC SURGEON (2016)  
& PhD STUDENT at University of Bologna (2016-)

## **RESEARCH INTEREST**

1. CARTILAGE REGENERATION PROCEDURES: 2ND GENERATION ACI, OSTEOCHONDRAL BIOMIMETIC SCAFFOLD.
2. P.R.P. APPLICATION IN CARTILAGE AND TENDON PATHOLOGY
3. MENISCAL SCAFFOLDS
4. OSTEOCHONDRAL AUTOGRAFTS AND ALLOGRAFTS
5. HIP ARTHROSCOPY AND RELATED PATHOLOGY
6. HIP AND KNEE REPLACEMENT

## **CLINICAL ACTIVITY & CLINICAL RESEARCH ONGOING:**

Main research programs:

- 1) Prospective randomized double blind study: PlateletRich Plasma vs Hyaluronic Acid in the treatment of knee cartilage pathology;
- 2) Randomized trial: osteochondral biomimetic scaffold vs microfracturing/drilling in the treatment of chondral/osteochondral lesions of the knee (Multicenter randomized trial sponsored by Finceramica Spa, Faenza, Italy);
- 3) BIOINSPIRE European Project
- 4) APSS-3300 MULTICENTER RANDOMIZED TRIAL: APS (Autologous Protein Solution) Injection vs PLACEBO for the treatment of Knee OA (Study sponsored by BIOMET)
- 5) Dynamic RSA in the evaluation of total knee replacement (grants by Zimmer)

## **AFFILIATIONS**

BIOMECHANICS LABORATORY AND I ORTHOPAEDIC CLINIC, RIZZOLI ORTHOPEDIC INSTITUTE

ICRS JUNIOR MEMBER – since 2011

AISOT (Italian Society of Orthopaedic Surgery Residents) – Funding Member and current Treasurer (since 2012)

SIGASCOT (Italian Society of Knee Surgery and arthroscopy) – since 2012

ESTROT – since 2013

ORTOMED – since 2012

SIOT- since 2012

## **EDUCATION**

1999-2004: Grammar School Diploma at Liceo Classico “V.Emanuele II”, Lanciano, Italy

2004-2010: Medical Degree at University of Bologna Medical School

2011: Italian Medical State License

2011-2016: Residency in Orthopaedic Surgery, Rizzoli Orthopaedic Institute, University of Bologna, Italy

2016- : PhD in Biomedical Science, University of Bologna

## **RESEARCH AND CLINICAL FELLOWSHIP:**

November 2015-March 2016 : Fellowship at the Orthopaedic Division of the University of Regensburg (Bayern, Germany) and Sporthopedicum Center - Prof. Dr. Med. P. Angele

April 2016-May 2016: Fellowship at the Orthopaedic Division of Ospedale Santa Maria della Misericordia, Udine, Italy – Dr. S. Demitri

## **NATIONAL AND INTERNATIONAL CONGRESS PARTICIPATION**

2010: Isokinetic International Congress, Bologna, Italy

2010: ICRS World Congress, Sitges/Barcelona, Spain

2011: Isokinetic International Congress, Bologna, Italy

2011: National Congress of the Italian PM & R Society, Bologna, Italy

2012: ICRS World Congress, Montreal, Canada  
2012: Ortomed Congress, Florence, Italy - **Speaker**  
2013: ESTROT Congress, Milan, Italy - **Speaker**  
2013: American Academy of Orthopaedic Surgeons, Chicago, USA  
2013: ICRS World Congress, Izmir, Turkey  
2013: SIOT (Italian Society of Orthopaedics and traumatology), Genoa, Italy –**Speaker**  
2013: SICOOP Course, Pescara, Italy - **Speaker**  
2014: SIOT, Rome, Italy - **Speaker**  
2014: CORTE Congress, Rome, Italy – **Speaker**  
2014: AISOT National Congress, Bologna, Italy  
2014: Turkey Cartilage Study Group Meeting, Ankara, Turkey - **Speaker**  
2015: Joint IOR-MSKCC Musculo-skeletal Oncology Review Course, Bologna, Italy  
2015. American Academy of Orthopaedic Surgeons, Las Vegas, USA  
2015: ICRS World Congress, Chicago, USA  
2015: AISOT National Congress, Bologna, Italy  
2015: SiCSeG Course, Bologna, Italy  
2015: Arthrex Arthroscopy Course, Munchen, Germany  
2016: AGA Cadaver Course on Lower Limb, Graz, Austria  
2016: ICRS International Congress – Sorrento, Italy - **Speaker**  
2016: TIRM Congress – Regensburg, Germany - **Speaker**

**LANGUAGES:** ITALIAN, ENGLISH

## **LIST OF PUBLICATIONS (2010- present day)**

### **INTERNATIONAL PEER-REVIEWED JOURNALS INDEXED ON PUBMED**

**1. Mariani E, Canella V, Cattini L, Kon E, Marcacci M, Di Matteo B, Pulsatelli L, Filardo G.** Leukocyte-Rich Platelet-Rich Plasma Injections Do Not Up-Modulate Intra-Articular Pro-Inflammatory Cytokines in the Osteoarthritic Knee. PLoS One.

2016 Jun 3;11(6):e0156137. doi: 10.1371/journal.pone.

PubMed Central PMCID: PMC4892682.

**2. Verdonk R, Madry H, Shabshin N, Dirisamer F, Peretti GM, Pujol N, Spalding T, Verdonk P, Seil R, Condello V, Di Matteo B, Zellner J, Angele P.** The role of meniscal tissue in joint protection in early osteoarthritis. *Knee Surg Sports Traumatol Arthrosc.* 2016 Jun;24(6):1763-74. doi: 10.1007/s00167-016-4069-2.

*Traumatol Arthrosc.* 2016 Jun;24(6):1763-74. doi: 10.1007/s00167-016-4069-2.

**3. Vannini F, Di Matteo B, Filardo G.** Platelet-rich plasma to treat ankle cartilage pathology - from translational potential to clinical evidence: a systematic review. *J Exp Orthop.* 2015 Dec;2(1):2. doi: 10.1186/s40634-015-0019-z. Epub 2015 Feb 12. PubMed PMID: 26914870; PubMed Central PMCID: PMC4546066.

**4. Di Matteo B, Kon E, Filardo G.** Intra-articular platelet-rich plasma for the treatment of osteoarthritis. *Ann Transl Med.* 2016 Feb;4(3):63. doi:

10.3978/j.issn.2305-5839.2016.01.18. PubMed PMID: 26904585; PubMed Central PMCID:PMC4740013.

**5. Di Matteo B, Tarabella V, Filardo G, Tomba P, Viganò A, Marcacci M.** Nicolaes Tulp: The Overshadowed Subject in The Anatomy Lesson of Dr. Nicolaes Tulp. *ClinOrthop Relat Res.* 2016 Mar;474(3):625-9. doi: 10.1007/s11999-015-4686-y. Epub 2016 Jan 12. PubMed PMID: 26758442; PubMed Central PMCID: PMC4746154.

**6. Di Matteo B, Tarabella V, Filardo G, Tomba P, Viganò A, Marcacci M, Zaffagnini S.** A historical perspective on ankle ligaments reconstructive surgery. *Knee Surg Sports Traumatol Arthrosc.* 2016 Apr;24(4):971-7. doi: 10.1007/s00167-015-3945-5. Epub 2015 Dec 30. PubMed PMID: 26718639.

**7. Di Matteo B, Moran CJ, Tarabella V, Viganò A, Tomba P, Marcacci M, Verdonk R.** A history of meniscal surgery: from ancient times to the twenty-first century. *Knee Surg Sports Traumatol Arthrosc.* 2015 Aug 1. [Epub ahead of print] PubMed PMID: 26231150.

**8. Mariani E, Canella V, Berlingeri A, Bielli A, Cattini L, Landini MP, Kon E, Marcacci M, Di Matteo B, Filardo G.** Leukocyte presence does not increase microbicidal activity of Platelet-rich Plasma in vitro. *BMC Microbiol.* 2015 Jul 30;15:149. doi: 10.1186/s12866-015-0482-9. PubMed PMID: 26223356; PubMed Central PMCID: PMC4520275.

9. **Di Matteo B**, Perdisa F, Gostynska N, Kon E, Filardo G, Marcacci M. Meniscal Scaffolds - Preclinical Evidence to Support their Use: A Systematic Review. *Open Orthop J*. 2015 May 15;9:143-56. doi: 10.2174/1874325001509010143. eCollection 2015.
10. **Andriolo L**, **Di Matteo B**, Kon E, Filardo G, Venieri G, Marcacci M. PRP Augmentation for ACL Reconstruction. *Biomed Res Int*. 2015;2015:371746. Epub 2015 May 5. Review.
11. **Di Matteo B**, Tarabella V, Filardo G, Tomba P, Viganò A, Marcacci M, Zaffagnini S. Knee multi-ligament reconstruction: a historical note on the fundamental landmarks. *Knee Surg Sports Traumatol Arthrosc*. 2015 May 10. [Epub ahead of print]
12. Filardo G, **Di Matteo B**, Di Martino A, Merli ML, Cenacchi A, Fornasari P, Marcacci M, Kon E. Platelet-Rich Plasma Intra-articular Knee Injections Show No Superiority Versus Viscosupplementation: A Randomized Controlled Trial. *Am J Sports Med*. 2015 Jul;43(7):1575-82. doi: 10.1177/0363546515582027. Epub 2015 May 7.
13. **Di Matteo B**, Tarabella V, Filardo G, Viganò A, Tomba P, Bragonzoni L, Marcacci M. Art in science: the stage of the human body--the anatomical theatre of Bologna. *Clin Orthop Relat Res*. 2015 Jun;473(6):1873-8. doi:10.1007/s11999-015-4288-8. Epub 2015 Apr 7.
14. Filardo G, Kon E, Tentoni F, Andriolo L, Di Martino A, Busacca M, **Di Matteo B**, Marcacci M. Anterior cruciate ligament injury: post-traumatic bone marrow oedema correlates with long-term prognosis. *Int Orthop*. 2015 Jan 21.
15. **Di Matteo B**, Tarabella V, Filardo G, Tomba P, Viganò A, Kon E, Marcacci M. Sir Robert Jones: orthopaedic surgeon and war hero. *Int Orthop*. 2015 May;39(5):1021-5. doi: 10.1007/s00264-014-2603-8. Epub 2014 Dec 2.
16. Filardo G, Kon E, **Di Matteo B**, Di Martino A, Marcacci M. Single-plug autologous osteochondral transplantation: results at minimum 16 years' follow-up. *Orthopedics*. 2014 Sep;37(9):e761-7. doi: 10.3928/01477447-20140825-51.
17. **Di Matteo B**, Filardo G, Kon E, Marcacci M. Platelet-rich plasma: evidence for the treatment of patellar and Achilles tendinopathy--a systematic review. *Musculoskelet Surg*. 2015 Apr;99(1):1-9. doi: 10.1007/s12306-014-0340-1. Epub 2014 Oct 17.
18. **Di Matteo B**, Tarabella V, Filardo G, Viganò A, Tomba P, Kon E, Marcacci M. Art in science: Giovanni Paolo Mascagni and the art of anatomy. *Clin Orthop Relat Res*. 2015 Mar;473(3):783-8. doi: 10.1007/s11999-014-3909-y. Epub 2014 Sep 23.

- 19. Filardo G, Kon E, Di Matteo B, Di Martino A, Tesei G, Pelotti P, Cenacchi A, Marcacci M.** Platelet-rich plasma injections for the treatment of refractory Achilles tendinopathy: results at 4 years. *Blood Transfus.* 2014 Oct;12(4):533-40.  
doi: 10.2450/2014.0289-13. Epub 2014 Jun 19.
- 20. Perdisa F, Filardo G, Di Matteo B, Di Martino A, Marcacci M.** Biological knee reconstruction: a case report of an Olympic athlete. *Eur Rev Med Pharmacol Sci.* 2014;18(1 Suppl):76-80.
- 21. Di Matteo B, Filardo G, Lo Presti M, Kon E, Marcacci M.** Chronic anti-platelet therapy: a contraindication for platelet-rich plasma intra-articular injections? *Eur Rev Med Pharmacol Sci.* 2014;18(1 Suppl):55-9.
- 22. Di Matteo B, Tarabella V, Filardo G, Viganò A, Tomba P, Marcacci M.** Art and science in the Renaissance: the case of Walther Hermann Ryff. *Clin Orthop Relat Res.* 2014 Jun;472(6):1689-96. doi: 10.1007/s11999-014-3605-y. Epub 2014 Apr 17. PubMed PMID: 24740316.
- 23. Filardo G, Kon E, Andriolo L, Di Matteo B, Balboni F, Marcacci M.** Clinical profiling in cartilage regeneration: prognostic factors for midterm results of matrix-assisted autologous chondrocyte transplantation. *Am J Sports Med.* 2014 Apr;42(4):898-905. doi: 10.1177/0363546513518552. Epub 2014 Jan 30.
- 24. Vannini F, Di Matteo B, Filardo G, Kon E, Marcacci M, Giannini S.**  
Platelet-rich plasma for foot and ankle pathologies: a systematic review. *Foot Ankle Surg.* 2014 Mar;20(1):2-9. doi: 10.1016/j.fas.2013.08.001. Epub 2013 Aug 16. Review.
- 25. Perdisa F, Filardo G, Di Matteo B, Marcacci M, Kon E.** Platelet rich plasma: a valid augmentation for cartilage scaffolds? A systematic review. *Histol Histopathol.* 2014 Jul;29(7):805-14. Epub 2014 Jan 24. Review.
- 26. Di Matteo B, Tarabella V, Filardo G, Viganò A, Tomba P, Marcacci M.** Postcards from the past: the Third SICOT Congress, Bologna 1936. *Int Orthop.* 2014 Aug;38(8):1745-50. doi: 10.1007/s00264-013-2273-y. Epub 2014 Jan 17. PubMed PMID: 24435819.
- 27. Filardo G, Kon E, Roffi A, Di Matteo B, Merli ML, Marcacci M.** Platelet-rich

plasma: why intra-articular? A systematic review of preclinical studies and clinical evidence on PRP for joint degeneration. *Knee Surg Sports Traumatol Arthrosc.* 2013 Nov 26. [Epub ahead of print]

**28. Di Matteo B, Tarabella V, Filardo G, Viganò A, Tomba P, Marcacci M.** The Renaissance and the universal surgeon: Giovanni Andrea Della Croce, a master of traumatology. *Int Orthop.* 2013 Dec;37(12):2523-8. doi: 10.1007/s00264-013-2111-2. Epub 2013 Sep 25.

**29. Di Matteo B, Tarabella V, Filardo G, Tomba P, Viganò A, Marcacci M.** An orthopaedic conquest: the first inter-human tissue transplantation. *Knee Surg Sports Traumatol Arthrosc.* 2014 Nov;22(11):2585-90. doi: 10.1007/s00167-013-2669-7. Epub 2013 Sep 26.

**30. Filardo G, Di Matteo B, Kon E, Dhillon MS, Patel S, Marwaha N.** Platelet-rich plasma for knee osteoarthritis. *Am J Sports Med.* 2013 Sep;41(9):NP42-3. doi: 10.1177/0363546513502635.

**31. Marcacci M, Di Matteo B, Filardo G, Tarabella V.** Rediscovering the history of orthopedics. *Knee Surg Sports Traumatol Arthrosc.* 2013 Sep;21(9):1955-6. doi: 10.1007/s00167-013-2613-x.

**32. Filardo G, Kon E, Perdisa F, Di Matteo B, Di Martino A, Iacono F, Zaffagnini S, Balboni F, Vaccari V, Marcacci M.** Osteochondral scaffold reconstruction for complex knee lesions: a comparative evaluation. *Knee.* 2013 Dec;20(6):570-6. doi: 10.1016/j.knee.2013.05.007. Epub 2013 Jun 28.

**33. Filardo G, Kon E, Di Matteo B, Di Marino A, Sessa A, Merli ML, Marcacci M.** Leukocyte-poor PRP application for the treatment of knee osteoarthritis. *Joints.* 2014 Jan 8;1(3):112-20. eCollection 2013 Jul-Sep.

**34. Filardo G, Kon E, Di Matteo B, Pelotti P, Di Martino A, Marcacci M.** Platelet-rich plasma for the treatment of patellar tendinopathy: clinical and imaging findings at medium-term follow-up. *Int Orthop.* 2013 Aug;37(8):1583-9. doi: 10.1007/s00264-013-1972-8. Epub 2013 Jun 23.



- 35. Kon E, Filardo G, Di Matteo B, Marcacci M.** PRP for the treatment of cartilage pathology. *Open Orthop J.* 2013 May 3;7:120-8. doi: 10.2174/1874325001307010120. Print 2013.
- 36. Di Matteo B, Tarabella V, Filardo G, Tomba P, Viganò A, Marcacci M.** The "GENESIS" of modern orthopaedics: portraits of three illustrious pioneers. *Int Orthop.* 2013 Aug;37(8):1613-8. doi: 10.1007/s00264-013-1936-z. Epub 2013 May 29.
- 37. Kon E, Filardo G, Di Matteo B, Perdisa F, Marcacci M.** Matrix assisted autologous chondrocyte transplantation for cartilage treatment: A systematic review. *Bone Joint Res.* 2013 Feb 1;2(2):18-25. doi: 10.1302/2046-3758.22.2000092. Print 2013 Feb.
- 38. Di Matteo B, Tarabella V, Filardo G, Viganò A, Tomba P, Marcacci M.** Thomas Annandale: the first meniscus repair. *Knee Surg Sports Traumatol Arthrosc.* 2013 Sep;21(9):1963-6. doi: 10.1007/s00167-013-2490-3. Epub 2013 Apr 11.
- 39. Marcacci M, Zaffagnini S, Kon E, Marcheggiani Muccioli GM, Di Martino A, Di Matteo B, Bonanzinga T, Iacono F, Filardo G.** Unicompartmental osteoarthritis: an integrated biomechanical and biological approach as alternative to metal resurfacing. *Knee Surg Sports Traumatol Arthrosc.* 2013 Nov;21(11):2509-17. doi: 10.1007/s00167-013-2388-0. Epub 2013 Jan 31.
- 40. Di Matteo B, Tarabella V, Filardo G, Viganò A, Tomba P, Marcacci M.** John Rhea Barton: the birth of osteotomy. *Knee Surg Sports Traumatol Arthrosc.* 2013 Sep;21(9):1957-62. doi: 10.1007/s00167-013-2387-1. Epub 2013 Jan 19.
- 41. Di Matteo B, Tarabella V, Filardo G, Viganò A, Tomba P, Marcacci M.** The traumatologist and the battlefield: the book that changed the history of traumatology. *J Trauma Acute Care Surg.* 2013 Jan;74(1):339-43. doi: 10.1097/TA.0b013e31827d0c9b
- 42. Kon E, Filardo G, Zaffagnini S, Di Martino A, Di Matteo B, Marcheggiani Muccioli GM, Busacca M, Marcacci M.** Biodegradable polyurethane meniscal scaffold for isolated partial lesions or as combined procedure for knees with multiple comorbidities: clinical results at 2 years. *Knee Surg Sports Traumatol Arthrosc.*

2014 Jan;22(1):128-34. doi: 10.1007/s00167-012-2328-4. Epub 2012 Dec 6.

**43. Filardo G, Kon E, Di Martino A, Di Matteo B, Merli ML, Cenacchi A, Fornasari PM, Marcacci M.** Platelet-rich plasma vs hyaluronic acid to treat knee

degenerative pathology: study design and preliminary results of a randomized controlled trial. *BMC Musculoskelet Disord.* 2012 Nov 23;13:229. doi: 10.1186/1471-2474-13-229.

**44. G. Filardo, E. Kon, B. Di Matteo, G. Tesei, M. Marcacci** “Tutto sul PRP” *Archivio di Ortopedia e Reumatologia.* 2012 Dic; 123(3); 21-25.

**45. E. Kon, G. Filardo, B. Di Matteo, L. D’Orazio, A. Di Martino, S. Patella, M. Marcacci** “Un serbatoio di fattori di crescita. Doppio protocollo. Entesopatia rotulea prossimale: terapia con fattori di crescita piastrinici e riabilitazione”. *Sport e Medicina.* 2010 Set-Ott; 5; 23-27.

**46. E. Kon, G. Filardo, B. Di Matteo, A. Di Martino, S. Patella, L. D’Orazio, M. Marcacci** “Utilizzo del PRP nel trattamento della patologia degenerativa della cartilagine”. *Journal of Sports Traumatology.* 2010 Set-Dic; 27(3-4)

**47. E. Kon, G Filardo, B Di Matteo, F Perdisa, M. Marcacci.** PRP-augmented scaffolds for cartilage regeneration: a systematic review. *Oper Tech Sport Med* 2013;21:108-115

**48. Di Martino A, Tentoni F, Di Matteo B, Cavicchioli A, Lo Presti M, Filardo G, Zaffagnini S, Marcacci M, Kon E.** Early Viscosupplementation After Anterior Cruciate Ligament Reconstruction: A Randomized Controlled Trial. *Am J Sports Med.* 2016 Oct;44(10):2572-2578. PubMed PMID: 27466224.

**49. Filardo G, Di Matteo B, Tentoni F, Cavicchioli A, Di Martino A, Lo Presti M, Iacono F, Kon E, Marcacci M.** No Effects of Early Viscosupplementation After Arthroscopic Partial Meniscectomy: A Randomized Controlled Trial. *Am J Sports Med.* 2016 Aug 15. pii: 0363546516660070. PubMed PMID: 27528611.

**50. Filardo G, Di Matteo B, Kon E, Merli G, Marcacci M.** Platelet-rich plasma in tendon-related disorders: results and indications. *Knee Surg Sports Traumatol Arthrosc.*

2016 Sep 24. Review. PubMed PMID: 27665095.

**51. Di Matteo B, Loibl M, Andriolo L, Filardo G, Zellner J, Koch M, Angele P.**

Biologic agents for anterior cruciate ligament healing: A systematic review. *World J Orthop.* 2016 Sep 18;7(9):592-603. doi: 10.5312/wjo.v7.i9.592. PubMed PMID: 27672573; PubMed Central PMCID: PMC5027015.

**52. Di Matteo B, Tarabella V, Filardo G, Tomba P, Viganò A, Marcacci M.** The Masters of the Bolognese Orthopaedic School. *Int Orthop.* 2016 Nov;40(11):2423-2428. Review. PubMed PMID: 27492722.

**53. Tarabella V, Filardo G, Di Matteo B, Andriolo L, Viganò A, Tomba P, Marcacci M.** From loose body to osteochondritis dissecans: a historical account of disease definition. *Joints* 2016 doi: 10.11138/jts/2016.4.3.165. Epub ahead of print.

**54. Cappuccio M, Leonetti D, Di Matteo B, Tigani D.** An uncommon case of irreducible ankle fracture-dislocation: the “Bosworth-like” tibio-fibular fracture. *Foot Ankl Surg* 2016 DOI: <http://dx.doi.org/10.1016/j.fas.2016.07.001>

## INTERNATIONAL JOURNALS NOT INDEXED ON PUBMED

**1. Kon E, Filardo G, Di Matteo B, Perdisa F, Marcacci M.**

”PRP-Augmented Scaffolds for Cartilage Regeneration: A Systematic Review”.

*Operative Techniques in Sports Medicine.* 2013, 21(2):108-115.

**2. Kon E, Filardo G, Tesei G, Venieri G, Tentoni F, Ali SA, Di Matteo B, Perdisa F, Marcacci M.** ” Treatment of knee osteochondritis dissecans with a cell-free

biomimetic osteochondral scaffold: clinical and imaging evaluation at 2 years' follow-up". Sphera Medical Journal. 2013, 17: 12-16.092.

**3. Filardo G, Kon E, Di Matteo B, Tentoni F, Marcacci M.**

"PRP in cartilage pathology". Journal of Orthopedics. 2012, 4(3):105-117.

**4. Kon E, Filardo G, Di Matteo B, Di Martino A, Marcacci M.**

"Platelet-Rich Plasma in Sports Medicine: New Treatment for Tendon and Cartilage Lesions". Operative Techniques in Orthopaedics. 2012, 22:78-85.

**5. Kon E, Filardo G, Perdisa F, Di Matteo B, Merli ML, De Pasqual L, Di Martino A, Patella S, Marcacci M.** "Osteochondral lesions of the knee. Pilot clinical study on a bioengineered scaffold at 36 months follow-up".

Sphera Medical Journal. 2012, gennaio.

**6. Kon E, Filardo G, Patella S, Altadonna G, Di Matteo B, D'Orazio L, Perdisa F, Marcacci M.** "Macroporous bioceramics associated with autologous stem cells for massive bone loss". Sphera Medical Journal. 2011, gen; vol 13: 10-14.

**7. Kon E, Filardo G, Di Martino A, D'Orazio L, Di Matteo B, Perdisa F, Marcacci M.** "Current methods for articular cartilage repair". Journal of Orthopedics. 2011, Vol3(1):39-48.

**8. G. Filardo, E. Kon, B. Di Matteo, G. Tesei, M. Marcacci** "Tutto sul PRP" Archivio di Ortopedia e Reumatologia. 2012 Dic; 123(3); 21-25.

**9. G. Filardo, E. Kon, B. Di Matteo, A. Di Martino, S. Patella, F. Perdisa, L. De Pasqual, M.L. Merli, M. Marcacci** "Applicazione del P.R.P. nelle condropatie post-traumatiche e degenerative". GIOT. 2011; 37(suppl.1):151-154.

**10. E. Kon, G. Filardo, F. Perdisa, S. Patella, A. Di Martino, B. Di Matteo, M.L. Merli, L. De Pasqual, M. Marcacci** "Biomateriali compositi per le lesioni osteocondrali traumatiche". GIOT. 2011; 37(suppl.1):181-184.

**11. E. Kon, C. Zorzi, V. Condello, G. Filardo, L. D’Orazio, F. Perdisa, B. Di Matteo, M. Collarile, M. Marcacci** “Trattamento dei difetti della cartilagine articolare del ginocchio in pazienti over 40 con metodiche di bioingegneria tissutale”.

OrtopediaNews. 2011; 1:18-26.

**12. E. Kon, G. Filardo, A. Di Martino, S. Patella, F. Perdisa, L. D’Orazio, B. Di Matteo, M. Marcacci** “Trapianto artroscopico di condrociti autologhi: risultati a 7 anni”. OrtopediaNews. 2011; 1:33-39.

**13. E. Kon, G. Filardo, B. Di Matteo, A. Di Martino, S. Patella, L. D’Orazio, M. Marcacci** “Utilizzo del PRP nel trattamento della patologia degenerativa della cartilagine”. Journal of Sports Traumatology. 2010 Set-Dic; 27(3-4); ...

**14. E. Kon, G. Filardo, B. Di Matteo, L. D’Orazio, A. Di Martino, S. Patella, M. Marcacci** “Un serbatoio di fattori di crescita. Doppio protocollo. Entesopatia rotulea prossimale: terapia con fattori di crescita piastrinici e riabilitazione”. Sport e Medicina. 2010 Set-Ott; 5; 23-27.

**15. E. Kon, G. Filardo, S. Patella, G. Altadonna, B. Di Matteo, L. D’Orazio, F. Perdisa, M. Marcacci** “Bioceramica macroporosa associata a cellule staminali nel trattamento di perdite ossee massive”. Sphera medical journal. 2010 Nov; 4(4); 42-46.

**16. M. Marcacci, E. Kon, S. Patella, G. Filardo, A. Di Martino, L. D’Orazio, B. Di Matteo, G. Altadonna, S. Zaffagnini** “Rigenerazione cartilaginea”. G.I.O.T.. 2010; 36(1); 158-161.

## **BOOK CHAPTERS**

**1. E. Kon, G. Filardo, F. Perdisa, A. Di Martino, L. De Pasqual, L. Andriolo, B. Di Matteo, M.L. Merli, M. Marcacci**

Scaffold osteocondrali. In “Cartilagine Istruzioni per l’uso”. Kon E, Berruto M, Condello V, Peretti G, Ronga M. Ch 6, 105-109, CIC Edizioni Internazionali, 2012.

**2. E. Kon, G. Filardo, F. Perdisa, S. Patella, B. Di Matteo, M.L. Merli, M. Marcacci**

ACI di seconda generazione. In “Cartilagine Istruzioni per l’uso”. Kon E, Berruto M, Condello V, Peretti G, Ronga M. Ch 6, 89-96, CIC Edizioni Internazionali, 2012.

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Tecniche chirurgiche con scaffold. In “Artroscopia Base ed Avanzata”. Randelli P, Mazzola C, Adravanti P, Zorzi C, Denti M. Ch 36, 315-324, CIC Edizioni Internazionali, 2012.

5. **E. Kon, M. Delcogliano, G. Filardo, A. Di Martino, B. Di Matteo, L. D’Orazio, M. Marcacci**

Il trattamento delle lesioni osteocondrali in esiti di fratture del piatto tibiale. In “Le fratture dei piatti tibiali”. Pessina R, Regazzoni P, Pace A. Ch E,21, 201-208, Timeo Editore, Bologna, 2011.

## **EXTENDED ABSTRACTS**

1. **E. Kon, G. Filardo, A. Di Martino, B. Di Matteo, G. Tesei, M.L. Merli, M. Marcacci.**

“Growth Factors in PRP: Clinical Application”

ICRS. 2013, 165-167.

2. **E. Kon, G. Filardo, A. Di Martino, P. Pelotti, M. Lo Presti, G. Venieri, G. Tesei, F. Perdisa, B. Di Matteo, M. M. Marcacci.**

“PRP in patellar tendon pathology”

XXII International Conference on Sports Rehabilitation and Traumatology – Football Medicine Strategies for Muscle & Tendon Injuries. 2013, 115-116.

**3. G. Filardo, E. Kon, A. Di Martino, S. Patella, B. Di Matteo, M. Marcacci.**

“PRP injections versus viscosupplementation for early knee osteoarthritis: a randomized double-blind study” KSSTA 2012, Volume 20, Suppl 1: S272.

**4. E. Kon, S. Patella, G. Filardo, A. Di Martino, F. Perdisa, B. Di Matteo, L. D’Orazio, S. Zaffagnini, M. Marcacci**

“Autologous chondrocyte transplantation: perspective study at 7-year minimum follow-up” Journal of Orthopaedics and Traumatology (2011), Volume 12, Supp 1: S76.

**5. E. Kon, G. Filardo, A. Di Martino, S. Patella, M. Delcogliano, S. Zaffagnini, L. D’Orazio, B. Di Matteo, M. Marcacci**

“New nanostructured biomimetic scaffold for the treatment of osteochondral defects: pilot clinical study at 3-year follow-up”

Journal of Orthopaedics and Traumatology (2010), Volume 11, Supp 1: S68.

## **OTHER ABSTRACTS**

**1. G. Filardo, E. Kon, B. Di Matteo et al.**

“Cartilage Imaging & Functional Testing” Moderator. ICRS 2013, 15-18 Sept 2013, Izmir, Turkey.

**2. G. Filardo, E. Kon, B. Di Matteo et al.**

“Edema in Matrix-assisted Autologous Chondrocyte Transplantation: MRI Evaluation at Different Follow-up Times”. ICRS 2013, 15-18 Sept 2013, Izmir, Turkey.

**3. G. Filardo, E. Kon, B. Di Matteo et al.**

“Failures in Matrix-assisted ACI: analysis on 193 patients and systematic review”.

ICRS 2013, 15-18 Sept 2013, Izmir, Turkey.

**4. G. Filardo, E. Kon, B. Di Matteo et al.**

“Tendon”.

**XIII Congresso Nazionale S.I.C.O.O.P.** 21-22 June 2013, Genova, Italy.

**5. G. Filardo, E. Kon, B. Di Matteo et al.**

“Nanostructured Materials for Bone and Cartilage Regeneration: Clinical Application”.

**World Biotechnology Congress 2013.** 3-6 June 2013, Boston, MA, USA.

**6. G. Filardo, E. Kon, B. Di Matteo et al.**

“PRP intrarticular”.

**Master Class SIGASCOT Cartilage and Sport.** 31 May 2013, Milano, Italy.

**7. G. Filardo, E. Kon, B. Di Matteo et al.**

“Hyalograft C”.

**Master Class SIGASCOT Cartilage and Sport.** 31 May 2013, Milano, Italy.

**8. G. Filardo, E. Kon, B. Di Matteo et al.**

“Matrix Assisted Autologous Chondrocyte Transplantation: Mid-Term Results and prognostic Factors”.

**AAOS 2013.** 19-23 Mar 2013, Chicago, IL, USA.

**9. G. Filardo, E. Kon, B. Di Matteo et al.**

“PRP in the treatment of chondral lesions”.

**SIGASCOT 2012.** 10-12 Oct 2012, Napoli, Italy.

**10. G. Filardo, E. Kon, B. Di Matteo et al.**



“Second Generation ACI: Mid-Term Results and Prognostic Factors”.

**ICRS 2012.** 12-15 May 2012, Montreal, Canada.

**11.G. Filardo, E. Kon, B. Di Matteo et al.**

“PRP injections versus viscosupplementation for early knee osteoarthritis: a randomized double-blind study”.

**ICRS 2012.** 12-15 May 2012, Montreal, Canada.

**12. G. Filardo, E. Kon, B. Di Matteo et al.**

“PRP in orthopaedic sports medicine” Moderator.

**ESSKA 15th annual meeting.** 2-5 May 2012, Geneva, Switzerland

**13.G. Filardo, E. Kon, B. Di Matteo et al.**

“PRP and cartilage lesions”.

**ESSKA 15th annual meeting** 2-5 May 2012, Geneva, Switzerland.

**14.G. Filardo, E. Kon, B. Di Matteo et al.**

“PRP – The Italian perspective, use and future directions”.

**AMSSM 21th annual meeting.** 21-25 Apr 2012, Atlanta, Georgia, USA.

## **AWARDS**

Best Oral Presentation – ORTOMED Congress, Florence, 13-15 Dicembre 2012

ICRS International Congress – Certificate of Merit cum laude for an Oral Presentation:  
“Platelet rich plasma (PRP) vs Viscosupplementation for the Treatment of Degenerative Knee Pathology: a Randomized Controlled Trial” (May 2015)

“Premio Schiassi” from the Società Medico Chirurgica Bolognese – awarded to the residents with the best scientific curriculum of the University of Bologna (December 2015)

## GRANTS

2012 ICRS Travelling Fellowship Award (Montreal 2012)

Bologna, 20-05-2017

In fede,



Bernd A Metz