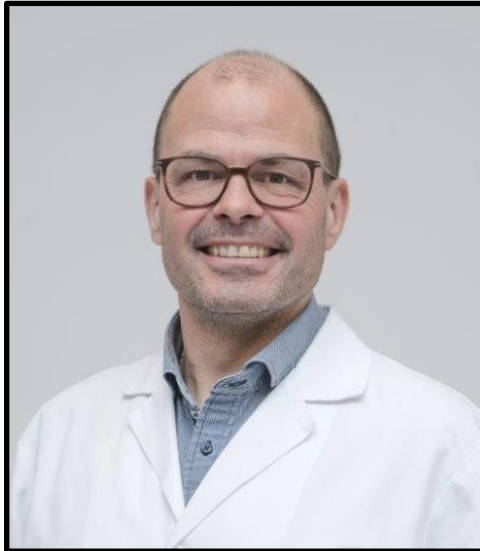


Curriculum Vitae

Prof. Dr. med. Christian Candrian



INDICE

1. Dati anagrafici	1
2. Formazione medica e accademica	2
3. Attività scientifica	3
• Generale	
• Premi	
• Grants	
• Pubblicazioni peer reviewed come primo o ultimo autore	
• Pubblicazioni peer reviewed come coautore	
• Pubblicazioni non peer reviewed come autore	
• Presenza nei media	
4. Esperienza condotta-management-insegnamento	15
5. Interessi principali	15
6. Associazioni e memberships	15
7. Referenze, contatti nazionali ed internazionali	16

1. DATI ANAGRAFICI

Nome e Cognome	Christian Candrian
Nazionalità	Svizzera
Data di nascita	2 marzo 1971
Luogo di attinenza	Sagogn - GR
Indirizzo privato	Via Crena, 6949 Comano
Telefono lavoro	+41 91 811 61 23
e-mail	christian.candrian@eoc.ch
Stato civile	Sposato con Ursula Candrian-Domeisen, 2 figli
Lingue	Tedesco: lingua madre Italiano: seconda lingua madre Inglese: ottime conoscenze scritte e parlate Francese: buone conoscenze scritte e parlate Romancio: conoscenze di base
Funzione attuale	Primario e Direttore scientifico del Servizio di Ortopedia e Traumatologia EOC
Hobby	Sport, caccia, pesca

2. FORMAZIONE MEDICA E ACCADEMICA

- 2024 Nomina a Professore ordinario di ortopedia dell'USI-Università della Svizzera Italiana
Facoltà di Scienze biomediche
- 2021 **Ospedale Regionale di Lugano**
Primario del Servizio di Ortopedia e Traumatologia EOC
- 2020 Direttore scientifico del Servizio di Ortopedia e Traumatologia
- 2019 Nomina a Professore titolare dell'USI-Università della Svizzera Italiana
Facoltà di Scienze biomediche
- 2015 Venia docendi all'Università di Basilea
- 2012 Fellowship 3 mesi Dr. Walch (chirurgia della spalla), Lione, Francia
- 2009 Titolo Schwerpunkt: Allgemeine Chirurgie und Traumatologie
- 2008 **Ospedale Regionale Lugano**
Viceprimario del Servizio di Chirurgia e Ortopedia (Prof. Dr. med. R. Rosso, dal 2018 Prof. Dr. Med P. Majno-Hurst)
Responsabile dell'Unità di Traumatologia ed Ortopedia
- 2007 **FMH** Ortopedia e Traumatologia
- 2007 **Ospedale Cantonale Bruderholz**
Capoclinica ortopedia /traumatologia (Prof. Dr. med. N. Friederich)
- 2005 - 2006 **Ospedale Universitario Basilea**
Capoclinica di chirurgia/traumatologia (Prof. Dr. med. P. Regazzoni)
- 2006 **Ospedale Universitario Basilea**
Ricerca Tissue Engineering Cartilagine, Istituto per Ricerca Chirurgica e Management Ospedaliero (Prof. Dr. med. M. Heberer /Prof. Dr. I. Martin)
- 2003 - 2005 **Ospedale Regionale di Lugano**
Capoclinica chirurgia (Prof. Dr. med. S. Martinoli)
- 2004 **FMH** chirurgia
- 2003 **Ospedale Universitario di Zurigo**
Dottorato (Prof. Dr. med. O. Trentz) "Der Stellenwert der konservativen Therapie der schweren Nierenverletzungen"
- 1999- 2003 **Ospedale Cantonale Coira**
Assistente medico chirurgia (Prof. Dr. med. Th. Rüedi)
- 1998 - 1999 **Ospedale Cantonale di Walenstadt**
Assistente medico chirurgia (Dr. W. Schmidt)
- 1992 - 1998 **Università di Zurigo**
Laurea in medicina

Attività AO (Arbeitsgemeinschaft für Osteosynthesefragen)

2022	Direttore del corso AO avanzato
2018	Direttore del corso AO avanzato
2016	Relatore e istruttore Corso AO avanzato
2015	Relatore e istruttore Corso AO avanzato
2014	Relatore e istruttore Corso AO avanzato
2013	Direttore e relatore corso AO per strumentisti
2012	Relatore al corso Senior Swiss Resident, Davos
2011	Direttore e relatore corso AO per strumentisti
2009	Direttore e relatore corso AO per strumentisti
2007	Istruttore corso avanzato AO, Davos
2007	Moderatore e istruttore corso AO, Oberdorf
2004	Responsabile, istruttore e referente corso AO, Oberdorf
2004	Istruttore corso AO avanzato, Davos

3. ATTIVITA' SCIENTIFICA

Generale

- | | |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2020 | Direttore scientifico del Servizio di Ortopedia e Traumatologia EOC |
| 2017 | Istituzione di un gruppo di ricerca clinica dell'unità di traumatologia ed ortopedia (Groupleader: Prof. Dr. Giuseppe Filardo)

GCP Primo livello Investigatore
GCP Sponsor-Investigator Level |
| 2016 | Istituzione del laboratorio di medicina rigenerativa della svizzera Italiana (Groupleader: Prof. Ing. Matteo Moretti) |
| 2006 | Attività di ricerca traslazionale all'interno del gruppo di ricerca Tissue Engineering della cartilagine, Istituto della Ricerca Chirurgica e del Management Ospedaliero (ICFS), Ospedale Universitario di Basilea (Capo dell'Istituto: Prof. Dr. med. M. Heberer, Capo del gruppo di ricerca: Prof. Dr. I. Martin) |

Premi

- 2016: SIWF-Award per l'impegno particolare nell'insegnamento dei medici in formazione medica (Schweizerische Institut für ärztliche Weiter- und Fortbildung)
- 2014: SIWF-Award per l'impegno particolare nell'insegnamento dei medici in formazione medica (Schweizerische Institut für ärztliche Weiter- und Fortbildung)
- 2008: 1. Premio (5000.-) della Società svizzera di chirurgia (SGC) "Tissue Engineered cartilage with nasal chondrocytes is responsive to physical forces resembling joint loading"

2008: 1. Premio (1000.-) SFAS-Award (Swiss Foot and Ankle Society) "Intra-individual Comparison of Human Ankle and Knee Chondrocytes in vitro: Relevance for Talar Cartilage Repair"

Grants finanziati

- 2023 100'000. - CHF Fellowship per la ricerca clinica. J & J, De Puy Syntes, Schweiz
- 200'000. – CHF Contributo finanziario per l'anno corrente per la ricerca clinica. Medacta, Castel S. Pietro
- 50'000. - CHF Contributo finanziario per la ricerca clinica. Lima Corporate, San Daniele del Friuli
- 15'000. - CHF Fellowship per la ricerca clinica. OPED AG Steinhausen
- 40'000. - CHF Stryker registro osteosintesi
- 2022 100'000. - CHF Fellowship per la ricerca clinica. J & J, De Puy Syntes, Schweiz
- 200'000. – CHF Contributo finanziario per l'anno corrente per la ricerca clinica. Medacta, Castel S. Pietro
- 50'000. - CHF Contributo finanziario per la ricerca clinica. Lima Corporate, San Daniele del Friuli
- 15'000. - CHF Fellowship per la ricerca clinica. OPED AG Steinhausen
- 20'000. - CHF Stryker registro osteosintesi
- 15'000. - CHF Greenbone
- 2021 100'000. - CHF Fellowship per la ricerca clinica. J & J, De Puy Syntes, Schweiz
- 150'000. - CHF Contributo finanziario per l'anno corrente per la ricerca clinica. Medacta, Castel S. Pietro
- 50'000. - CHF Contributo finanziario per la ricerca clinica. Lima Corporate, San Daniele del Friuli
- 15'000. - CHF Fellowship per la ricerca clinica. OPED AG Steinhausen
- 30'000.- CHF Stryker registro osteosintesi
- 16'000. - CHF Greenbone
- 2020 100'000. - CHF Fellowship per la ricerca clinica. J & J, De Puy Syntes, Schweiz
- 200'000. - CHF Contributo finanziario per l'anno corrente per la ricerca clinica. Medacta, Castel S. Pietro

- 25'000. - CHF Contributo finanziario per la ricerca clinica. Lima Corporate, San Daniele del Friuli
- 15'000. - CHF Fellowship per la ricerca clinica. OPED AG Steinhausen
- 47'045. - CHF Immediate vs delayed weight-bearing after surgical treatment of malleolar fractures: a randomized controlled trial
- 2019 61'876. - CHF ABREOC 2019 Studio del processo di ligamentizzazione ed integrazione del graft nell'intervento di ricostruzione del LCA con o senza distacco dell'inserzione tibiale degli hamstrings
- 47'000. - CHF ABREOC 2019 (MRIC-003/A) Immediate vs. delayed weightbearing after surgical treatment of malleolar fractures: a multi-centered randomized controlled trial
- 372'000. - CHF Fondo FNS sarcoma. Ewing sarcoma metastatic invasion dissected through new 3D vascularized human microfluidic models recapitulating endochondral ossification
- 100'000. - CHF Fellowship per la ricerca clinica. J & J, De Puy Syntes, Schweiz
- 200'000. - CHF Contributo finanziario per l'anno corrente per la ricerca clinica. Medacta, Castel S. Pietro
- 25'000. - CHF Contributo finanziario per la ricerca clinica. Lima Corporate, San Daniele del Friuli
- 30'000. - CHF Fellowship per la ricerca clinica. OPED AG Steinhausen
- 2018 50'388. - CHF Tutore vs. mitella nella terapia riabilitativa dopo sutura in artroscopia della cuffia dei rotatori: studio monocentrico randomizzato
- 200'000. - CHF Contributo finanziario per l'anno corrente per la ricerca clinica. Medacta, Castel S. Pietro
- 25'000. - CHF Contributo finanziario per la ricerca clinica. Lima Corporate, San Daniele del Friuli
- 100'000. - CHF Fellowship per la ricerca clinica. J & J, De Puy Syntes, Schweiz
- 2017 100'000. - CHF Fellowship per la ricerca clinica. J & J, De Puy Syntes, Schweiz
- 450'000. - CHF Contributo finanziario della fondazione Fidiam, Lugano per tre anni per la ricerca transazionale
- 2016 150'000. - CHF Contributo finanziario alla ricerca clinica dell'unità di traumatologia ed ortopedia in previsione della master School Ticino da parte di Medacta, Castel S. Pietro
- 48'000. - CHF ABREOC "Study of the immunomodulatory and chondroprotective effect of mesenchymal stem cells with a new model in arthritic joints"

- 51'200. - CHF. ABREOC "Pilot study of a new prosthesis for transfemoral amputated patients"
- 2015 320'000. - CHF. Contributo finanziario da parte del CCT per la creazione di un laboratorio di medicina rigenerativa dell'apparato locomotore
- 680'000. - CHF. Contributo finanziario da parte dell'EOC di per la creazione di un laboratorio di medicina rigenerativa dell'apparato locomotore
- 150'000. - CHF. Contributo finanziario della ditta DePuy Synthes per il registro di traumatologia ORL
- 2007 118'000. - CHF /anno per 3 anni. Associazione tedesca per l'artrosi. Studio clinico (fase I) con costrutti ingegnerizzati osteocondrali per la caviglia
- 2006 250000. – CHF. Collaborator (writing and experimental work) in a grant by the Swiss National Science Foundation (Div. 3): "Cellular and molecular characterisation of human nasal chondrocyte plasticity, towards their exploration for articular cartilage repair"(No. 310030_126965)
260000. – CHF. Collaborator (experimental work and yearly reporting) in a grant by the Swiss National Science Foundation (Div. 3): "Engineering of osteochondral composites using human articular chondrocytes and biomimetic materials" (No. 3200B0-110054)

Pubblicazioni

h index: 29
documents by author: 138
citations: 2264
IF totale = 475.202

Pubblicazioni peer reviewed su riviste internazionali come primo o ultimo autore

(IF totale = 128.231)

1. Pacchiarini L, Massimo Oldrini L, Feltri P, Lucchina S, Filardo G, **Candrian C**. Complications after volar plate synthesis for distal radius fractures. EFORT Open Reviews 2024 Jun 3. (IF: 4.3 , Ranking Q1)
2. Sangiorgio A, Previtali D, Oldrini LM, Milev SR, Filardo G, **Candrian C**. Comparable results of superior vs antero-inferior plating for the treatment of displaced midshaft clavicle fractures. A comparative study. Injury. 2024 Apr. (IF: 2.9 , Ranking Q1)
3. Feltri P, Monteleone AS, Audigé L, Marbach F, Filardo G, **Candrian C**. Patients with rotator cuff tears present a psychological impairment, not only a functional deficit: a systematic review. Int Orthop. 2024 Jan. (IF: 3.519, Ranking Q1)
4. Oldrini LM, Sangiorgio A, Feltri P, Marbach F, Filardo G, **Candrian C**. Proximal humerus fractures: deltopectoral open reduction and internal fixation vs deltosplit minimally invasive plate osteosynthesis: which surgical approach provides superior results? EFORT Open Rev. 2023 Aug 1. (IF: 5.136, Ranking Q1)
5. Monteleone AS, Feltri P, Müller J, Molina MN, Filardo G, **Candrian C**. Quality of Life from Return to Work and Sport Activities to Sexual Dysfunction after Surgical Treatment of Pelvic Ring Fractures. Healthcare (Basel). 2023 Jul 4. (IF: 3.0, Ranking Q2)
6. Riegger M, Habib N, Testa EA, Müller J, Guidi M, **Candrian C**. The modified Lapidus fusion: a systematic review of biomechanical studies. EFORT Open Rev. 2023 Apr 25 (IF: 4.775, Ranking Q1)

7. Feltri P, Monteleone AS, Marbach F, Filardo G, **Candrian C**. Arthroscopic rotator cuff repair: patients with physically demanding work have significantly worse time to return to work, level of employment, and job loss. *Knee Surg Sports Traumatol Arthrosc*. 2022 Sep 27. (IF: 4.342, Ranking Q1).
8. Oldrini LM, Feltri P, Albanese J, Lucchina S, Filardo G, **Candrian C**. Volar locking plate vs cast immobilization for distal radius fractures: a systematic review and meta-analysis. *EFORT Open Rev*. 2022 Sep 19. (IF: 4.618, Ranking Q1).
9. Oldrini LM, Feltri P, Albanese J, Marbach F, Filardo G, **Candrian C**. Reply to Sidiropoulos, K.; Tsikopoulos, K. Comment on "Oldrini et al. PHILOS Synthesis for Proximal Humerus Fractures Has High Complications and Reintervention Rates: A Systematic Review and Meta-Analysis. *Life* 2022, 12, 311". *Life* (Basel). 2022 Aug. (IF: 3.817, Ranking Q2).
10. Surace MF, Faoro L, Ferraro S, Ippolito G, Zitiello M, **Candrian C**. Minimally Invasive HEROS (Higher External ROTator Sparing) Posterior-lateral Approach for Total Hip Arthroplasty: Surgical Technique and Preliminary Results. *Surg Technol Int*. 2022 Aug 17. (IF: 1.1; Ranking Q3).
11. Pagliuzzi G, Cuzzolin M, Pacchiarini L, Delcogliano M, Filardo G, **Candrian C**. Physeal-sparing ACL reconstruction provides better knee laxity restoration but similar clinical outcomes to partial transphyseal and complete transphyseal approaches in the pediatric population: a systematic review and meta-analysis. *Knee Surg Sports Traumatol Arthrosc*. 2022 Jul 15. (IF: 4.342, Ranking Q1).
12. Monteleone AS, Feltri P, Molina MN, Müller J, Filardo G, **Candrian C**. Quality of life from return to work and sports activities to sexual dysfunction after surgical treatment of acetabular fractures. *Arch Orthop Trauma Surg*. 2022 Feb 26 (IF 3.067, Ranking Q1).
13. Oldrini LM, Feltri P, Albanese J, Marbach F, Filardo G, **Candrian C**. PHILOS Synthesis for Proximal Humerus Fractures Has High Complications and Reintervention Rates: A Systematic Review and Meta-Analysis. *Life* (Basel). 2022 Feb 19 (IF 3.817, Ranking Q2).
14. Riegger M, Müller J, Giampietro A, Saporito A, Filardo G, Treglia G, Guidi M, **Candrian C**. Forefoot Adduction, Hindfoot Varus or Pes Cavus: Risk Factors for Fifth Metatarsal Fractures and Jones Fractures? A Systematic Review and Meta-Analysis. *J Foot Ankle Surg*. 2021 Nov (IF 2.705, Ranking Q2).
15. Cuzzolin M, Secco D, Guerra E, Altamura SA, Filardo G, **Candrian C**. Operative Versus Nonoperative Management for Distal Biceps Brachii Tendon Lesions: A Systematic Review and Meta-analysis. *Orthop J Sports Med*. 2021 Oct (IF: 2.54, Ranking Q1).
16. Previtali D, Bordoni V, Filardo G, Marchettini P, Guerra E, **Candrian C**. High Rate of Pain Sensitization in Musculoskeletal Shoulder Diseases: A Systematic Review and Meta-analysis. *Clin J Pain*, Mar 2021 (IF: 2.893, Ranking: Q1).
17. Davanzo D, Previtali D, Tamborini S, Filardo G, Fusco A, Bordoni V, Gaffurini P, **Candrian C**. Comparison of the survivorship between arthroplasty and ORIF for basi-cervical femoral neck fractures in the overall population and in polymorbid patients. *Orthop Traumatol Surg Res*, May 2021 (IF: 1.809, Ranking: Q1).
18. Bordoni, V., Marelli, N., Previtali, D., Gaffurini, P., Filardo, G., **Candrian, C**. (2020). Outpatient total hip arthroplasty does not increase complications and readmissions: a meta-analysis. *HIP International*. (IF: 1.35, Ranking: Q2).
19. Bordoni V, Poggi A, Zaffagnini S, Previtali D, Filardo G, **Candrian C**. Outpatient total knee arthroplasty leads to a higher number of complications: a meta-analysis. *J Orthop Surg Res*. 2020 Sep. (IF: 2.28, Ranking Q1).
20. G Ulrich Exner, Luca Mazzucchelli, Francesca Napoli, **Christian Candrian**. Solitary Epiphysial Enchondroma of the Proximal Humerus Causing Growth Deficiency in a 13-Year-Old Boy Lengthened over Intramedullary Nail. *The Open Orthopaedics Journal*, 2020, 14.1. (IF: 0.51, Ranking: Q3).
21. Davide Previtali, Stamen Milev Roumenov, Gherardo Pagliuzzi, Giuseppe Filardo, Stefano Zaffagnini, **Christian Candrian**. Recurrent patellar dislocations without untreated predisposing factors: MPFL reconstruction vs other medial soft tissue surgical techniques—A meta-analysis. *Arthroscopy: The Journal of Arthroscopic & Related Surgery*, 2020. (IF: 4.433, Ranking: Q1).
22. Pagliuzzi G, Davanzo D, Delcogliano M, Grande FD, **Candrian C**. Traumatic bilateral medial patellar instability in a 15-year-old girl. *Journal of Orthopaedic Case Report*. 2019. (IF: 0.675, Ranking: Q2).
23. Previtali D, Di Laura Frattura G, Filardo G, Delcogliano M, Deabate L, **Candrian C**. Peri-operative steroids reduce pain, inflammatory response and hospitalization length following knee arthroplasty without increased risk of acute complications: a meta-analysis. *Knee Surg Sports Traumatol Arthrosc*. 2019 Sep 7. (IF: 3.21, Ranking: Q1).
24. Pagliuzzi G, Napoli F, Previtali D, Filardo G, Zaffagnini S, **Candrian C**. A Meta-analysis of Surgical Versus Nonsurgical Treatment of Primary Patella Dislocation. *Arthroscopy*. 2019 Aug. (IF: 4.29, Ranking: Q1).

25. Di Laura Frattura G, Zaffagnini S, Filardo G, Romandini I, Fusco A, **Candrian C**. Total Knee Arthroplasty in Patients With Knee Osteoarthritis: Effects on Proprioception. A Systematic Review and Best Evidence Synthesis. *J Arthroplasty*. 2019 Jun 14. (IF: 3.52, Ranking: Q1).
26. Zaffagnini S., Previtali D., Tamborini S, Pagliuzzi G., Filardo G., **Candrian C**. Recurrent patellar dislocations: trochleoplasty improves the results of medial patellofemoral ligament surgery only in severe trochlear dysplasia. *Knee Surg Sports Traumatol Arthrosc*. 2019 Mar 22. (IF: 3.227, Ranking: Q1).
27. Guerra E., Previtali D., Tamborini S., Filardo G., Zaffagnini S., **Candrian C**. Midshaft Clavicle Fractures: Surgery Provides Better Results as Compared With Nonoperative Treatment: A Meta-analysis. *Am J Sports Med*. 2019 Mar 5. (IF: 6.057, Ranking: Q1).
28. Simone Ghisla, Francesca Napoli, Gyozo Lehoczky, Marco Delcogliano, Nermine Habib, Michele Arigoni, Giuseppe Filardo, **Christian Candrian**. Posterior pelvic ring fractures: Intraoperative 3D-CT guided navigation for accurate positioning of sacro-iliac screws. *Orthopaedics & Traumatology-Surgery & Research*, August 2018 (IF: 1.413, Ranking: Q2).
29. Filardo G., Andriolo L., Di Laura Frattura G., Napoli F., Zaffagnini S., **Candrian C**. Bone bruise in anterior cruciate ligament rupture entails a more severe joint damage affecting joint degenerative progression. *Knee Surg Sports Traumatol Arthrosc*. 2018 Jun 5. (IF: 3.21, Ranking: Q1).
30. Habib, N., Filardo, G., Delcogliano, M., Arigoni, M., & **Candrian, C**. (2018). An algorithm to avoid missed open-book pelvic fractures. *Eur Rev Med Pharmacol Sci*. (IF: 3.024, Ranking: Q).
31. Filardo G, Zaffagnini S, De Filippis R, Perdisa F, Andriolo L, **Candrian C**. No evidence for combining cartilage treatment and knee osteotomy in osteoarthritic joints: a systematic literature review. *Knee Surg Sports Traumatol Arthrosc*. 2018 Feb 16. (IF: 3.227, Ranking: Q1).
32. **Candrian C**, Grassi A, Filardo G, Vannini F. Comment on "No superior treatment for primary osteochondral defects of the talus. Dahmen J, et al. *KSSTA* 2017 Jun 27. *Knee Surg Sports Traumatol Arthrosc*. 2017 Dec. (IF: 3.227, Ranking: Q1).
33. **Candrian C**, Iker Iriberrri I, Freehill M., Raiss R., Boileau P., Walch G. Anatomic shoulder replacement for Primary Osteoarthritis in Patients over 80 Years. Are Results as Good as in Younger Patients? *Acta Orthopaedica* 2015 Jan 14:1-5. (IF: 2.459, Ranking: Q1)
34. Ochs, B. G., Stöckle, U., **Candrian, C**. (2013). Fractures around shoulder and elbow arthroplasty—rare but difficult. *European Orthopaedics and Traumatology*, 4(2), 111-116. (IF: 1.56, Ranking: Q2)
35. **Candrian C**, Miot S, Wolf F, Bonacina E, Valderrabano V, Dickinson S, Wirz D, Jakob M, Martin I, Barbero A. Are ankle chondrocytes from damaged fragments a suitable cell source for cartilage repair? *Osteoarthritis Cartilage*. 2010 Aug;18(8):1067-76. 2010.(IF: 3.904, Ranking: Q1).
36. **Candrian C**, Barbero A, Bonacina, Heberer M, Martin I. A novel implantation technique for engineered osteochondral grafts. *Knee Surg Sports Traumatol Arthrosc*. 2009 Nov. (IF: 1.857, Ranking: Q2).
37. **Candrian C**, Bonacina E, Frueh JA, Vonwil D, Dickinson S, Wirz D, Heberer M, Jakob M, Martin I, Barbero A. Intra-individual comparison of human ankle and knee chondrocytes in vitro: relevance for talar cartilage repair. *Osteoarthritis Cartilage*. 2009 Apr. (IF: 3.953, Ranking: Q1).
38. **Candrian C**, Wolf F, Wendt D, Farhadi J, Heberer M, Martin I, Barbero A. Cartilage tissue engineering using preaggregated human articular chondrocytes. *Eur Cell Mater*. 2008 Dec. (IF: 5.378, Ranking: Q1).
39. **Candrian C**, Vonwil D, Barbero A, Bonacina E, Miot S, Farhadi J, Wirz D, Dickinson S, Hollander A, Jakob M, Li Z, Alini M, Heberer M, Martin I. Engineered cartilage generated by nasal chondrocytes is responsive to physical forces resembling joint loading. *Arthritis Rheum*. 2007 Dec 28. (IF: 6.787, Ranking: Q1).

Pubblicazioni peer reviewed su riviste internazionali come co-autore

(IF totale = 346.971)

1. Petta D, D'Arrigo D, Salehi S, Talò G, Bonetti L, Vanoni M, Deabate L, De Nardo L, Dubini G, **Candrian C**, Moretti M, Lopa S, Arrigoni C. A personalized osteoarthritic joint-on-a-chip as a screening platform for biological treatments. *Materials Today Bio* 2024 May. (IF: 8.7, Ranking Q1)
2. Monteleone AS, Salerno M, Mondini Trissino da Lodi C, Gonalba GC, **Candrian C**, Filardo G. The influence of sex is a neglected focus in rotator cuff repair: A systematic review and meta-analysis. *Knee Surgery Sports Traumatology Arthroscopy*. 2024 Apr 28. (IF: 3.8, Ranking Q1)
3. Bersini S, Arrigoni C, Talò G, **Candrian C**, Moretti M. Complex or not too complex? One size does not fit all in next generation microphysiological systems. *iScience*. 2024 Feb 12. (IF: 5.8, Ranking Q1)

4. Schuppisser MV, Mondini Trissino da Lodi C, Albanese J, **Candrian C**, Filardo G. Achilles tendinopathy research has a gender data gap: A systematic review and meta-analysis. *Knee Surg Sports Traumatol Arthrosc.* 2024 Feb 5. (IF: 4.663, Ranking Q1).
5. Baum C, Audigé L, Stojanov T, Müller SA, **Candrian C**; ARCR_Pred Study Group. Functional and Radiologic Outcomes of Degenerative Versus Traumatic Full-Thickness Rotator Cuff Tears Involving the Supraspinatus Tendon. *Am J Sports Med.* 2024 Feb. (IF: 6.202, Ranking Q1)
6. Riegger M, Le H, van Kuijk SMJ, Guyenes G, **Candrian C**, Cianfoni A, Hirsch JA, Koetsier E. Intradiscal Glucocorticoid Injection in Discogenic Back Pain and Influence on Modic Changes: A Systematic Review and Meta-analysis of RCTs. *Pain Physician.* 2023 Sep. (IF: 3.7, Ranking Q1)
7. De Pellegrin L, Feltri P, Filardo G, **Candrian C**, Harder Y, Galetti K, De Monti M. Effects of negative pressure wound therapy with instillation and dwell time (NPWTi-d) versus NPWT or standard of care in orthoplastic surgery: A systematic review and meta-analysis. *Int Wound J.* 2023 Aug. (IF: 3.1, Ranking Q1)
8. Stoffel K, Michelitsch C, Arora R, Babst R, **Candrian C**, Eickhoff A, Gebhard F, Platz A, Schmid FA, Weschenfelder W, Sommer C. Clinical performance of the Femoral Neck System within 1 year in 125 patients with acute femoral neck fractures, a prospective observational case series. *Arch Orthop Trauma Surg.* 2023 Jul. (IF: 3.404, Ranking Q1)
9. Marin R, Feltri P, Ferraro S, Ippolito G, Campopiano G, Previtali D, Filardo G, Marbach F, De Marinis G, **Candrian C**, Surace MF. Impact of tuberosity treatment in reverse shoulder arthroplasty after proximal humeral fractures: A multicentre study. *J Orthop Sci.* 2023 Jul. (IF: 1.8, Ranking Q2)
10. Feltri P, Gonalba GC, Boffa A, **Candrian C**, Menon A, Randelli PS, Filardo G. Platelet-rich plasma does not improve clinical results in patients with rotator cuff disorders but reduces the retear rate. A systematic review and meta-analysis. *Knee Surg Sports Traumatol Arthrosc.* 2023 May. (IF: 4.663, Ranking Q1)
11. Rosso C, Morrey ME, Schär MO, Grezda K; **Swiss Orthopaedics Shoulder and Elbow Expert Group**. The role of platelet-rich plasma in shoulder pathologies: a critical review of the literature. *EFORT Open Rev.* 2023 Apr 25. (IF: 4.775, Ranking Q1)
12. Arrigoni C, Ostano P, Bersini S, Crippa M, Colombo MV, Gilardi M, Zagra L, Mello-Grand M, Gregnanin I, Ghilardi C, Bani MR, **Candrian C**, Chiorino G, Moretti M. Differential angiogenesis of bone and muscle endothelium in aging and inflammatory processes. *Commun Biol.* 2023 Jan 31. (IF: 6.548, Ranking Q1)
13. De Pellegrin L, Feltri P, Filardo G, **Candrian C**, Harder Y, Galetti K, De Monti M. Effects of negative pressure wound therapy with instillation and dwell time (NPWTi-d) versus NPWT or standard of care in orthoplastic surgery: A systematic review and meta-analysis. *Int Wound J.* 2023 Jan 3. (IF: 3.099, Ranking Q2)
14. Feltri P, Gonalba GC, Boffa A, **Candrian C**, Menon A, Randelli PS, Filardo G. Platelet-rich plasma does not improve clinical results in patients with rotator cuff disorders but reduces the retear rate. A systematic review and meta-analysis. *Knee Surg Sports Traumatol Arthrosc.* 2022 Dec 11. (IF: 4.114, Ranking Q1)
15. Stoffel K, Michelitsch C, Arora R, Babst R, **Candrian C**, Eickhoff A, Gebhard F, Platz A, Schmid FA, Weschenfelder W, Sommer C. Clinical performance of the Femoral Neck System within 1 year in 125 patients with acute femoral neck fractures, a prospective observational case series. *Arch Orthop Trauma Surg.* 2022 Dec 2. (IF: 2.928, Ranking Q1)
16. Sangiorgio A, Oldrini LM, **Candrian C**, Errani C, Filardo G. Radiofrequency ablation is as safe and effective as surgical excision for spinal osteoid osteoma: a systematic review and meta-analysis. *Eur Spine J.* 2022 Oct 10. (IF: 3.134, Ranking Q1).
17. Mainardi VL, Rubert M, Sabato C, de Leeuw A, Arrigoni C, Dubini G, **Candrian C**, Müller R, Moretti M. Culture of 3D Bioprinted Bone Constructs Requires an Increased Fluid Dynamic Stimulation. *Acta Biomater.* 2022 Sep 12. (IF: 8.947, Ranking Q1).
18. Petta D, D'Amora U, D'Arrigo D, Tomasini M, **Candrian C**, Ambrosio L, Moretti M. Musculoskeletal tissues-on-a-chip: role of natural polymers in reproducing tissue-specific microenvironments. *Biofabrication.* 2022 Aug 31. (IF: 9.954, Ranking Q1)
19. Previtali D, Mameli A, Zaffagnini S, Marchettini P, **Candrian C**, Filardo G. Tendinopathies and Pain Sensitisation: A Meta-Analysis with Meta-Regression. *Biomedicines.* 2022 Jul 20. (IF: 6.081, Ranking Q1)
20. Feltri P, Solaro L, Di Martino A, **Candrian C**, Errani C, Filardo G. Union, complication, reintervention and failure rates of surgical techniques for large diaphyseal defects: a systematic review and meta-analysis. *Sci Rep.* 2022 Jun 1. (IF: 4.379, Ranking Q1).

21. Marin R, Feltri P, Ferraro S, Ippolito G, Campopiano G, Previtali D, Filardo G, Marbach F, De Marinis G, **Candrian C**, Surace MF. Impact of tuberosity treatment in reverse shoulder arthroplasty after proximal humeral fractures: A multicentre study. *J Orthop Sci.* 2022 Apr 20. (IF: 2.8, Ranking Q2).
22. Previtali D, Capone G, Marchettini P, Candrian C, Zaffagnini S, Filardo G. High Prevalence of Pain Sensitization in Knee Osteoarthritis: A Meta-Analysis with Meta-Regression. *Cartilage.* 2022 Jan-Mar;13 (IF 4.634, Ranking Q1).
23. Di Laura Frattura G, Bordoni V, Feltri P, Fusco A, **Candrian C**, Filardo G. Balance Remains Impaired after Hip Arthroplasty: A Systematic Review and Best Evidence Synthesis. *Diagnostics (Basel).* 2022 Mar (IF: 3.817, Ranking Q2).
24. Schiavon G, Capone G, Frize M, Zaffagnini S, **Candrian C**, Filardo G. Infrared Thermography for the Evaluation of Inflammatory and Degenerative Joint Diseases: A Systematic Review. *Cartilage.* 2021 Dec (IF: 4.634, Ranking Q1).
25. Cuzzolin M, Previtali D, Zaffagnini S, Deabate L, **Candrian C**, Filardo G. Anterior Cruciate Ligament Reconstruction versus Nonoperative Treatment: Better Function and Less Secondary Meniscectomies But No Difference in Knee Osteoarthritis-A Meta-Analysis. *Cartilage.* 2021 Dec (IF: 4.634, Ranking Q1).
26. Feltri P, Mondini Trissino da Lodi C, Grassi A, Zaffagnini S, **Candrian C**, Filardo G. One-stage bilateral unicompartamental knee arthroplasty is a suitable option vs. the two-stage approach: a meta-analysis. *EFORT Open Rev.* 2021 Nov 19 (IF: 4.618, Ranking Q1).
27. Cuzzolin M, Previtali D, Delcogliano M, Filardo G, **Candrian C**, Grassi A. Independent Versus Transtibial Drilling in Anterior Cruciate Ligament Reconstruction: A Meta-analysis With Meta-regression. *Orthop J Sports Med.* 2021 (IF: 2.727, Ranking: Q1).
28. Feltri P, Solaro L, Errani C, Schiavon G, **Candrian C**, Filardo G. Vascularized fibular grafts for the treatment of long bone defects: pros and cons. A systematic review and meta-analysis. *Arch Orthop Trauma Surg.* 2021 (IF: 3.067, Ranking: Q1).
29. Nutarelli S, Delahunt E, Cuzzolin M, Delcogliano M, **Candrian C**, Filardo G. Home-Based vs Supervised Inpatient and/or Outpatient Rehabilitation Following Knee Meniscectomy: A Systematic Review and Meta-analysis. *JAMA Netw Open.* 2021; 4(5):e2111582. (IF: 5.032, Ranking: Q1).
30. Audigé L, Bucher HCC, Aghlmandi S ARCR_Pred Study Group, et al Swiss-wide multicentre evaluation and prediction of core outcomes in arthroscopic rotator cuff repair: protocol for the ARCR_Pred cohort study *BMJ Open* 2021; 1. (IF: 2.496, Ranking: Q1).
31. Reale D, Previtali D, Andriolo L, Grassi A, **Candrian C**, Zaffagnini S, Filardo G. No differences in clinical outcome between CMI and Actift meniscal scaffolds: a systematic review and meta-analysis. *Knee* 2021 (IF: 1.913, Ranking: Q1).
32. Boffa A, Previtali D, Di Laura Frattura G, Vannini F, **Candrian C**, Filardo G. Evidence on ankle injections for osteochondral lesions and osteoarthritis: a systematic review and meta-analysis. *Int Orthop.* 2021 (IF: 2.78, Ranking: Q1).
33. Possenti L, Mecchi L, Rossoni A, Sangalli V, Bersini S, Cicchetti A, Costantino ML, **Candrian C**, Arrigoni C, Rancati T, Moretti M. Radiobiological Studies of Microvascular Damage through In Vitro Models: A Methodological Perspective. *Cancers*, 2021 (IF: 6.126, Ranking: Q1).
34. Mainardi VL, Arrigoni C, Bianchi E, Talò G, Delcogliano M, **Candrian C**, Dubini G, Levi M, Moretti M. Improving cell seeding efficiency through modification of fiber geometry in 3D printed scaffolds. *Biofabrication*, Feb 2021 (IF: 8.213, Ranking: Q1).
35. Crippa M, Bersini S, Gilardi M, Arrigoni C, Gamba S, Falanga A, **Candrian C**, Dubini G, Vanoni M, Moretti M. A microphysiological early metastatic niche on a chip reveals how heterotypic cell interactions and inhibition of integrin subunit β 3 impact breast cancer cell extravasation. *Lab Chip*, Mar 2021 (IF: 6.914, Ranking: Q1).
36. Habib N, Filardo G, Distefano D, **Candrian C**, Reinert M, Scarone P. Use of Intraoperative CT Improves Accuracy of Spinal Navigation During Screw Fixation in Cervico-thoracic Region. 2021, *Spine (Phila Pa 1976)* (IF: 2.903, Ranking: Q1).
37. Mondadori C, Crippa M, Moretti M, **Candrian C**, Lopa S, Arrigoni C. Advanced Microfluidic Models of Cancer and Immune Cell Extravasation: A Systematic Review of the Literature. *Front Bioeng Biotechnol.* 2020 Aug. (IF: 6.914, Ranking: Q1).
38. Petta D, Basoli V, Pellicciotta D, Tognato R, Barcik JP, Arrigoni C, Della Bella E, Armiento AR, **Candrian C**, Richards GR, Alini M, Moretti M, Eglin D, Serra T. Sound-induced morphogenesis of multicellular systems for rapid orchestration of vascular networks. *Biofabrication.* 2020 Sep 25. (IF: 8.123, Ranking: Q1)

39. Previtali D, Andriolo L, Di Laura Frattura G, Boffa A, **Candrian C**, Zaffagnini S, Filardo G. Pain Trajectories in Knee Osteoarthritis—A Systematic Review and Best Evidence Synthesis on Pain Predictors. *Journal of Clinical Medicine*. 2020. (IF: 3.03, Ranking: Q1).
40. Boffa A, Previtali D, Di Laura Frattura G, Vannini F, **Candrian C**, Filardo G. Evidence on ankle injections for osteochondral lesions and osteoarthritis: a systematic review and meta-analysis [published online ahead of print, 2020 Jul 9]. *Int Orthop*. (IF: 1.53, Ranking: Q1).
41. Filardo G, Previtali D, Napoli F, **Candrian C**, Zaffagnini S, Grassi A. PRP Injections for the Treatment of Knee Osteoarthritis: A Meta-Analysis of Randomized Controlled Trials [2020 Jun 19]. *Cartilage*. (IF: 2.961, Ranking: Q1).
42. Arrigoni C, D'Arrigo D, Rossella V, **Candrian C**, Albertini V, Moretti M. Umbilical Cord MSCs and Their Secretome in the Therapy of Arthritic Diseases: A Research and Industrial Perspective. *Cells*. Published 2020 May 28. (IF: 5.656, Ranking: Q1).
43. Chiara Arrigoni, Silvia Lopa, **Christian Candrian**, Matteo Moretti. Organs-on-a-chip as model systems for multifactorial musculoskeletal diseases. *Current Opinion in Biotechnology*, 2020. (IF: 8.083, Ranking: Q1)
44. Davide Previtali, Giulia Merli, Giorgio Di Laura Frattura, **Christian Candrian**, Stefano Zaffagnini, Giuseppe Filardo. The Long-Lasting Effects of "Placebo Injections" in Knee Osteoarthritis: A Meta-Analysis. *Cartilage*, 2020. (IF: 2.961, Ranking: Q1)
45. Angelo Boffa, Davide Previtali, Sante Alessandro Altamura, Stefano Zaffagnini, **Christian Candrian**, Giuseppe Filardo. Platelet-Rich Plasma Augmentation to Microfracture Provides a Limited Benefit for the Treatment of Cartilage Lesions: A Meta-analysis. *Orthopaedic Journal of Sports Medicine*, 2020. (IF: 6.093, Ranking: Q1)
46. Marco Delcogliano, Roberto Marin, Luca Deabate, Davide Previtali, Giuseppe Filardo, Michele Francesco Surace, **Christian Candrian**, Paolo Gaffurini. Arthroscopically assisted and three-dimensionally modeled minimally invasive rim plate osteosynthesis via modified anterolateral approach for posterolateral tibial plateau fractures. *The Knee*, 2020. (IF: 1.762, Ranking: Q1)
47. Marie Meyer, Marie Nicod Lalonde, Nathalie Testart, Mario Jreige, Christel Kamani, Sarah Boughdad, Barbara Muoio, Fabio Becce, Niklaus Schaefer, **Christian Candrian**, Luca Giovanella, John O Prior, Giorgio Treglia, Martin Riegger. Detection Rate of Culprit Tumors Causing Osteomalacia Using Somatostatin Receptor PET/CT: Systematic Review and Meta-Analysis. *Diagnostics (Basel)*. Published 2019 Dec 18. (IF: 2.489, Ranking: Q2)
48. Deabate L, Previtali D, Grassi A, Filardo G, **Candrian C**, Delcogliano M. Anterior Cruciate Ligament Reconstruction Within 3 Weeks Does Not Increase Stiffness and Complications Compared With Delayed Reconstruction: A Meta-analysis of Randomized Controlled Trials. *Am J Sports Med*. 2020. (IF: 6.057, Ranking: Q1)
49. Verzellotti S., **Candrian C.**, Alberio R, Molina M.N., Grassi F.A. Direct anterior versus postero-lateral approach for bipolar hip hemiarthroplasty in femoral neck fractures: a prospective randomized study. *The journal of arthroplasty*. 2019 Aug. (IF: 3.52, Ranking: Q1)
50. Bordoni V, di Laura Frattura G, Previtali D, Tamborini S, **Candrian C**, Cristallo Lacalamita M, Del Grande F, Filardo G. Bone Bruise and Anterior Cruciate Ligament Tears: Presence, Distribution Pattern, and Associated Lesions in the Pediatric Population. *Am J Sports Med*. 2019 Nov. (IF: 6.057, Ranking: Q1)
51. D'Arrigo D, Roffi A, Cucchiarini M, Moretti M, **Candrian C**, Filardo G. Secretome and Extracellular Vesicles as New Biological Therapies for Knee Osteoarthritis: A Systematic Review. *J Clin Med*. 2019 Nov. (IF: 3.303, Ranking: Q1)
52. Habib, N., **Candrian, C.**, Scarone, P. (2018). Analysis of Radiological Accuracy among Different Intraoperative Imaging Systems for Screw Fixation in Cervicothoracic Region. *Journal of Neurological Surgery Part A: Central European Neurosurgery*. (IF: 0.95, Ranking: Q3)
53. Andriolo L., Altamura S. A., Reale D., **Candrian C.**, Zaffagnini S., Filardo G. Non-surgical treatments of patellar tendinopathy: multiple injection of platelet-rich plasma are a suitable option. A Systematic review and meta-analysis. *Am J Sports Med*, 2017. (IF: 6.057, Ranking: Q1)
54. Arrigoni C Petta D, Bersini S, Mironov V, **Candrian C**, Moretti M. Engineering complex muscle-tissue interfaces through microfabrication. *Biofabrication*. 2019 Jun 12; 11(3):032004. (IF: 7.236, Ranking: Q1)
55. Luca Andriolo, Dennis C. Crawford, Davide Reale, Stefano Zaffagnini, **Christian Candrian**, Alessia Cavicchioli, Giuseppe Filardo. Osteochondritis Dissecans of the Knee: Etiology and Pathogenetic Mechanisms. A Systematic Review. *Cartilage* 1-18, July 2018. (IF: 2.621, Ranking: Q1)

56. Del Grande F., Delcogliano M., Guglielmi R., Raithel E., Stern S. E., Papp D. F., **Candrian C.** Fritz J. Fully automated 10-minute 3D CAIPIRINHA SPACE TSE MRI of the knee in adults. A multicenter, multireader, multifield-strength validation study. *Investigative radiology*. Volume 00, Number 00, Month 2018 (IF: 6.224, Ranking: Q1)
57. S. Bersini, M. Gilardi, M. Mora, S. Krol, C. Arrigoni, **C. Candrian**, S. Zanotti, M. Moretti. Tackling muscle fibrosis: From molecular mechanisms to next generation engineered models to predict drug delivery. *Advanced Drug Delivery Reviews*, In Press (IF: 11.8, Ranking: Q1)
58. Andriolo L, **Candrian C**, Papio T, Perdisa F, Cavicchioli A, Filardo G. Osteochondritis Dissecans of the Knee - Conservative Treatment Strategies: A Systematic Review. *Cartilage*. 2018 Feb 1. (IF: 2.000, Ranking: Q2)
59. Lopa S, Mondadori C, Mainardi VL, Talò G, Costantini M, **Candrian C**, Świążkowski W, Moretti M. Translational Application of Microfluidics and Bioprinting for Stem Cell-Based Cartilage Repair. *Stem Cells International* 2018. (IF: 3.540, Ranking: Q2)
60. Grassi A, Napoli F, Romandini I, Samuelsson K, Zaffagnini S, **Candrian C**, Filardo G. Is Platelet-Rich Plasma (PRP) Effective in the Treatment of Acute Muscle Injuries? A Systematic Review and Meta-Analysis. *Sports Med*. 2018 Jan 23. (IF: 6.832, Ranking: Q1)
61. Roffi A, Krishnakumar GS, Gostynska N, Kon E, **Candrian C**, Filardo G. The Role of Three-Dimensional Scaffolds in Treating Long Bone Defects: Evidence from Preclinical and Clinical Literature-A Systematic Review. *Biomed Res Int*. 2017; Epub 2017 Aug 9. Review (IF: 2.476, Ranking: Q2)
62. Arrigoni C, Gilardi M, Bersini S, **Candrian C**, Moretti M. Bioprinting and Organ-on-Chip Applications Towards Personalized Medicine for Bone Diseases. *Stem Cell Rev*. 2017 Jun;13(3):407-417. (IF: 2.967, Ranking: Q2)
63. Uccella L, Zoia C, Bongetta D, Gaetani P, Martig F, **Candrian C**, Rosso R. Are Antiplatelet and Anticoagulants Drugs A Risk Factor for Bleeding in Mild Traumatic Brain Injury? *World Neurosurg*. 2018 Feb. (IF: 2.592, Ranking: Q2)
64. Scola, A., Haas, N., Stöckle, U., Giannoudis, P., Bel, J. C., Larsen, M. S., **Candrian C**. Gebhard, F. (2014). Current concepts for treating proximal femur fractures in Europe. *European orthopaedics and traumatology*. (IF: 1.56, Ranking: Q2)
65. Scotti, Celeste MD; Leumann, Andre MD; **Candrian, Christian MD**; Barbero, Andrea PhD; Croci, Davide MSc; Schaefer, Dirk J. MD; Jakob, Marcel MD; Valderrabano, Victor MD, PhD; Martin, Ivan PhD, Autologous Tissue-engineered Osteochondral Graft for Talus Osteochondral Lesions: State-of-the-Art and Future Perspectives, *Techniques in Foot & Ankle Surgery*: December 2011 - Volume 10 - Issue 4 - p 163-168. (IF: 0.19, Ranking: Q3)
66. Kraus, R., **Candrian, C.**, Rosso, R., Arigoni, M. (2011). Fixation of syndesmosis rupture: why wait after surgery for a 3-D position control. *British Journal of Surgery*, 98. (IF: 5.676, Ranking: Q1)
67. Haeni, D., Testa, E., Freuler, C., Kuhrmeier, A., Rosso, R., **Candrian, C.**, Arigoni, M. (2010). Trauma injury in patients over 80 years old: an epidemiological study. *British Journal of Surgery*, 97. (IF: 5.676. Ranking: Q1)
68. Francioli SE, **Candrian C**, Martin K, Heberer M, Martin I, Barbero A. Effect of three-dimensional expansion and cell seeding density on the cartilage-forming capacity of human articular chondrocytes in type II collagen sponges. *J Biomed Mater Res A*. 2010 Dec. (IF: 2.147, Ranking: Q1)
69. Hirschmann MT, Zimmermann N, Rychen T, **Candrian C**, Hudetz D, Lorez LG, Amsler F, Muller W, Friederich NF. Clinical and radiological outcomes after management of traumatic knee dislocation by open single stage complete reconstruction. *BMC Musculoskelet Disord*. 2010 May 27. (IF: 1.577, Ranking: Q2)
70. Ströbel S, Loparic M, Wendt D, Schenk AD, **Candrian C**, Lindberg RL, Moldovan F, Barbero A, Martin I. Anabolic and catabolic responses of human articular chondrocytes to varying oxygen percentages. *Arthritis Res Ther*. 2010 Mar. (IF: 4.445, Ranking: Q2)
71. Scotti C, Wirz D, Wolf F, Schaefer DJ, Bürgin V, Daniels AU, Valderrabano V, **Candrian C**, Jakob M, Martin I, Barbero A. Engineering human cell based, functionally integrated osteochondral grafts by biological bonding of engineered cartilage tissues to bony scaffolds. *Biomaterials*. 2009 Dec 16 (IF: 7.883, Ranking: Q1)
72. Miot S, Gianni-Barrera R, Peltari K, Acharya C, Mainil-Varlet P, Juelke H, Jaquery **C, Candrian C**, Barbero A Martin I. In vitro and in vivo validation of human and goat chondrocyte labeling by GFP lentivirus transduction. *Tissue Engineering Part C Methods*. 2009 Mar 27. (IF: 4.699, Ranking: Q1)

73. Leumann A, Wiewiorski M, Egelhof T, Rasch H, Magerkurth O, **Candrian C**, Schaefer DJ, Martin I, Jakob M, Valderrabano V. Radiographic evaluation of frontal talar edge configuration for osteochondral plug transplantation. *Clin Anat*. 2009 Mar. (IF: 1.352, Ranking: Q3)
74. Gottardi, R., Raiteri, R., Stolz, M., Kilger, R., **Candrian, C.**, Loparic, M, Aeschmann, L. (2008). Assessment of early osteoarthritis in human knee cartilage by scanning force microscopy. *Journal of Biomechanics*. (IF: 2.32, Ranking: Q1)
75. Wolf F, Haug M, Farhadi J, **Candrian C**, Martin I, Barbero A. A low percentage of autologous serum can replace bovine serum to engineer human nasal cartilage. *European Cell & Material Journal*. 2008 Feb. (IF: 5.378, Ranking: Q1)
76. Strobel, S., Barbero, A., Wendt, D., **Candrian, C.**, Lindbergh, R., Heberer, M., Martin, I. (2007). 4.2 Anabolic and catabolic responses of human articular chondrocyte from aged donors to culture under low oxygen tension. *Osteoarthritis and Cartilage*, 15, B62. (IF: 4.793, Ranking: Q1)
77. Francioli S, Sie C, Haag R, Tommasini R, **Candrian C**, Heberer M. Growth factors for clinical-scale expansion of human articular chondrocytes: relevance for automated bioreactor systems. *Tissue Engineering*. 2007 Volume 13, Number 6, 1227-31. (IF: 4.699, Ranking: Q1)
78. Bocelli-Tyndall C, Barbero A, **Candrian C**, Ceredig R, Tyndall A, Martin I. Human articular chondrocytes suppress in vitro proliferation of anti-CD3 activated peripheral blood mononuclear cells. *J Cell Physiol*. 2006 Dec; 209. (IF: 3.643, Ranking: Q2)

Pubblicazioni su riviste senza impact factor come autore e/o co-autore

1. Sangiorgio A, Oldrini LM, **Candrian C**, Errani C, Filardo G. Answer to the Letter to the Editor of A. Takata, et al. concerning "Radiofrequency ablation is as safe and effective as surgical excision for spinal osteoid osteoma: a systematic review and meta-analysis" by Sangiorgio A, et al. *Eur Spine J*. 2023 Apr;32(4):1481-1482.
2. Martin Riegger, Marco Guidi, Giuseppe Filardo, **Christian Candrian**, "Splay Toe after Freiberg-Köhler's Osteonecrosis: A Case Report of a Successful Operative Treatment in a Rare Multiplanar Foot Deformity", *Case Reports in Orthopedics*, vol. 2020, Article ID 8830166, 5 pages, 2020
3. Previtali D., Filardo G., Napoli F., Di Laura Frattura G., Marbach F., **Candrian C**. L'evidenza scientifica sul trattamento della cuffia dei rotatori. *Tribuna Medica Ticino*, Febbraio 2019
4. Giorgio di Laura Frattura, Giuseppe Filardo, Dario Giunchi, Augusto Fusco, Stefano Zaffagnini, **Christian Candrian**. Risk of falls in patients with knee osteoarthritis undergoing total knee arthroplasty: A systematic review and best evidence synthesis. *Journal of Orthopaedics*, Volume 15, Issue 3, September 2018
5. Giunchi D., Marcoli N., Deabate L., Delcogliano M., Testa E., **Candrian C.**, Gaffurini P. Isolated knee arthritis as early and only symptom of Whipple's disease. *Hindawi, Case Reports in Medicine*, Volume 2018, Article ID 3417934
6. F. Marbach, N. Schiavone, F. Del Grande, G. Walch, **Candrian C**. La periartropatia omeroscapolare non esiste più "Spalla rigida/congelata". *Giugno 2016, Tribuna medica Ticino*
7. E.A. Testa, J. Müller, P. Gaffurini, **Candrian C**. "Tendinopatia achillea: di cosa stiamo parlando e come ci dobbiamo comportare", *Aprile 2016, Tribuna medica Ticinese*
8. **Candrian C.**, Schiavone N., Del Grande F., Marbach F., Walch G. La periartropatia omeroscapolare non esiste più-le patologie dell'articolazione acromio-claveari. *Tribuna Medica Ticino*. 11/2014, 279-282
9. **Candrian C.**, Schiavone N., Del Grande F., Marbach F., Walch G. La periartropatia omeroscapolare non esiste più- la tendinite calcarea. *Tribuna Medica Ticino*. 5/2014, 147-149
10. Dessi K., Arigoni M., **Candrian C**. Le fratture costali-intervenire chirurgicamente? *Tribuna Medica Ticinese*, 4/2014. 119-122
11. **Candrian C.**, Schiavone N., Del Grande F., Marbach F., Walch G. La periartropatia omeroscapolare non esiste più - L'artrosi gleno-omeroale. *Tribuna Medica Ticino*. 11/2013.301-308.
12. **Candrian C.**, Schiavone N., Del Grande F., Marbach F., Walch G. La periartropatia omeroscapolare non esiste più-La cuffia dei rotatori. *Tribuna Medica Ticino*. 9/2013. 187-192
13. Potocnik P., Puig L, **Candrian C**. Periprosthetic fractures of the proximal femur - Vancouver A type fracture. *European Orthopaedics and Traumatology*. June 2013, Volume 4, Issue 2, pp 73-75

14. **Candrian C.**, Schiavone N., Del Grande F., Marbach F., Walch G. La periartropatia omeroscapolare non esiste più- Le lesioni del bicipite. *Tribuna Medica Ticino*. 4/2013. 113-120
15. **Candrian C.**, Schiavone N., Del Grande F., Marbach F., Walch G. La periartropatia omeroscapolare non esiste più- L'impingement sottoacromiale. *Tribuna Medica Ticino*. 3/2013. 77-82
16. **Candrian C.**, Schiavone N., Del Grande F., Marbach F., Walch G. La periartropatia omeroscapolare non esiste più. *Tribuna Medica Ticino*. 2/2013. 41-46
17. **Candrian C.** Ginocchio e spalla, snodi delicati. *Ambiente e Benessere, Settimanale della Cooperativa MigrosTicino*, Nr 37. 13.9.2010
18. **Candrian C.**, Jakob M. Immer nur Prothesen, Die Chirurgie der Zukunft arbeitet mit biologischem Ersatz. *The Medical Journal (TMJ)*. 2009 Jun;3; 7-10
19. **Candrian C.**, A. Barbero, M. Heberer, I. Martin, M. Jakob. Wann kommen stabile Konstrukte? *Leading Opinions, Orthopädie*, 2007, Mar; 34-35
20. **Candrian C.**, Book review, *Swiss Surg* 2003, *Photographischer Atlas*, Walther Thiel. 2. Ausgabe
21. **Candrian C.**, Rüedi T, Furrer M. Merkel cell carcinoma. Retrospective analysis of 4 cases with special reference to diagnosis, therapy and long-term outcome. *Swiss Surg*. 2002;8(5):215-9
22. **Candrian C.**, Nussbaumer P, Furrer M. Bilateral popliteal artery entrapment syndrome. Is preventive operation on the asymptomatic side indicated? *Swiss Surg*. 2002;8(5): 224-9
23. Nussbaumer P, **Candrian C.**, Furrer M. Das popliteale Entrapment Syndrom. *Swiss Medical Forum*, 2002.
24. Nussbaumer P, **Candrian C.**, Hollinger A. Endoscopic bursa shaving in acute bursitis *Swiss Surg*. 2001;7(3):121-5

Libro/i, capitolo/i, recensioni

2020: Titolo "Imaging modalities for post-traumatic arthritis." Capitolo "Management of post-traumatic arthritis." Del Grande F, MD, Deabate L, MD, **Candrian C.**, MD. Jaypee brothers Medical Publishers (P) Ltd.

2021: Titolo "Orthobiologics: Injectable Therapies for the Musculoskeletal System" Capitolo "Injections: Orthobiologics and the Power of Placebo", Previtali D, Cuzzolin M, Di Laura Frattura G, **Candrian C.**, Filardo G. (SpringerLink)

4. ESPERIENZA DI CONDOTTA-MANAGEMENT-INSEGNAMENTO

- 2021 Organizzatore/ coordinatore/relatore corso III semestre Skeleton USI
- 2020 Responsabile modulo Skeleton USI 2020
- Docente all'università della Svizzera Italiana (USI)
- Vorsitzender der Kommission für Fortbildung swiss orthopaedic (SO)
- Docente alla scuola SUPSI
- Formazioni continue di medici quadri, capoclinica, assistenti
- Corso management e seminario di condotta per capoclinica (8 giorni, Zenger e Biaggi)
- Coaching personalizzato della ditta ARU per 3 anni
- Corso didattica universitario, Università di Basilea: Condotta della discussione nell'insegnamento accademico
- Corso didattica universitario, Università di Basilea: Pianificare-organizzare-valutare manifestazioni di insegnamento
- Corso didattica universitario, Università di Basilea: Apprendere nel campo delle prospettive
- Corso didattica universitario, Università di Basilea: Comunicazione retorica
- Corso didattico universitario, Università di Basilea: Percepire-valutare-qualificare in situazioni di insegnamento
- Istruttore e direttore di corsi AO (Arbeitsgemeinschaft für Osteosynthesefragen)
- Accompagnamento dottorandi e studenti PhD
- Responsabile corsi per studenti di medicina
- Esaminatore FMH Ortopedia dal 2013

5. INTERESSI PRINCIPALI

- Organizzazione/conduzione
- Traumatologia complessa
- Chirurgia della spalla, gomito e chirurgia di revisione
- Ricerca nel campo della cartilagine

6. ASSOCIAZIONI E MEMBERSHIPS

- Membro del Consiglio direttivo, direttore della commissione di formazione, membro dei gruppi esperti spalla e traumatologia della società svizzera di ortopedia (Swissorthopaedics)
- Membro di Arbeitsgemeinschaft für Arthroskopie (AGA)
- Membro di International Cartilage Repair Society (ICRS)
- Membro del comitato direttivo della Società Ortopedia del Ticino (SOTI) 2010
- Delegato svizzero e membro per la task Force Traumatologia EFORT (European Federation of National Associations of Orthopaedics and Traumatology) 2009
- Membro del comitato scientifico della TMT (Tribuna medica Ticino) da 2013

7. REFERENZE E CONTATTI NAZIONALI ED INTERNAZIONALI

Referenze

Prof. Pietro Majno +41 91 811 61 24
Primario di Chirurgia
Ospedale Regionale di Lugano

Prof. Dr. med. P. Regazzoni +41 61 328 72 31
Ex-Primario di Traumatologia +41 61 265 72 32
Ospedale Universitario di Basilea
Spitalstrasse 21
4031 Basilea

Prof. I. Martin +41 61 265 23 84
Responsabile del Gruppo Tissue Engineering, ICFS
Ospedale Universitario di Basilea
Hebelstrasse 20
4031 Basilea

Dr. med. H. Bereiter +41 79 418 21 70
Ex Primario di Ortopedia
Ospedale Cantonale di Coira
7000 Coira

Contatti nazionali ed internazionali

Prof. F. Gebhard, primario dell'Ospedale Universitario di Ulm, Germania
Prof U. Stoeckle, primario dell'Ospedale Universitario La Charite, Berlino, Germania
Prof. P. Giannoudis, primario dell'ospedale universitario, Leeds, Inghilterra
Istituto per biomedicina, Ospedale Universitario di Basilea (Prof. Dr. I. Martin)
Dipartimento per la Chirurgia Ortopedica e per la Traumatologia, Ospedale Cantonale
Baselland Bruderholz (Prof. M. Hirschmann)
Chirurgia e Ortopedia dell'Ospedale Cantonale di Coira (Dr. med. Y. Acklin)
Istituto AO Davos (Tissue Engineering, Prof. Mauro Alini)

Lugano, 08.07.2024

Prof. Dr. Med. Christian Candrian

