

CURRICULUM VITAE ET STUDIORUM OF Lorenzo Andreani

GENERAL INFORMATION

Date of birth23/06/1983
Birth Place.....Carrara (MS)
Residence.....via Bassagrande 126, 54033 Carrara (MS)
Mobile..... +393393257710
e-mail.....lorenzo.andreani.unipi@gmail.com

- High School Degree achieved in July 2002
- Degree in Medicine and Surgery awarded at the University of Pisa, on 23/07/2008, title : “La rizoartrosi: procedure chirurgiche a confronto”. Supervisor: Prof. Lisanti Michele.
- Qualified as a Medical Doctor in the year 2009 Session 2nd-2008.
- Orthopaedic and Traumatology Specialization awarded at the University of Pisa, on 02/07/2014, title: “Strategie di trattamento delle fratture della pelvi: revisione critica dei risultati”. Supervisor: Prof. Lisanti Michele.
- PhD in Clinical and Translational Science at University of Pisa on 06.04.2017: “Study and developing of a prototype for hip replacement procedures simulation”
- National Scientific Abilitation for Associated Professor (11.09.2018-11.09.2024)
- Master Disaster Management and Civil Protection on 23.06.2022. Istituto Unificato Nazionale per le Tecnologie applicate alle Scienze Sociali
- BLS (Basic Life Support and Defibrillator) certificated
- ATLS (Advanced Trauma Life Support) certificated
- ACLS (Advanced Cardiac Life Support) certificated
- PALS (Pediatric Advanced Life Support) certificated
- Stop the Bleed Certificated and Instructor
- KOL New Generation certification (advanced training course for the development of transversal skills)
- From 01 November 2015 Medical Doctor at Azienda Ospedaliera Universitaria Pisana in Orthopaedic Department

My activities are ward, Emergency Department, Surgery Room, ambulatory (focus on hip/knee prosthesis, Trauma and Musculoskeletal tumor disease).

International fellowship :

- 28/February - 4/March 2011 Germany "Surgery-tour Spine surgery" (Ulrich spinal Implants).
- 12-29 July 2011 Leuven (Belgium) "Fellowship for research work on cadavers and live surgery"

Publications and Abstracts

1. N. Piolanti, S. Marchetti, **L. Andreani**, G. Vicicca, E. Vignali, C. Marcocci. A new protocol in order to evaluate cortical index in human bone wheighted on the patients morphotype. Osteoporosis international Volume 18 Supplement 3 2007. Marrakech, Morocco.
2. S. Marchetti, A. Faldini, G. Calvosa, N. Piolanti, **L. Andreani**, M. Lisanti. Disegno protesico e selezione dell'impianto: dalla morfometria al posizionamento del primo impianto. G.I.O.T. 2007;33(suppl. 1):S20-S25
3. M.Rosati, V.Zampa, A.Poggetti, **L.Andreani**. Su di un caso di paralisi progressiva di plesso brachiale dopo osteosintesi di frattura di clavicola. Rivista di Chirurgia della Mano. Vol.47/ N.2/ Settembre 2010
4. M.Rosati, A.Terzuoli, A.Baluganti, **L.Andreani**, M.Lisanti. Amputazioni maggiori in arti inferiori ischemici: quale strategia. L'Ortopedico Traumatologico Informer. N 42 2011.
5. M.Rosati, M. Lisanti, A.Baluganti, **L. Andreani**, L.Rizzo, A.Piaggese. "A multidisciplinary approach and surgical tips in major amputations of diabetic patients" Musculoskeletal Surgery. 31 July 2012 DOI 10.1007/s12306-012-0215-2.
6. E. Bonicoli, A. Baluganti, **L. Andreani**, N. Piolanti, M. Lisanti. The Dual Radius Hemispherical "Trident" Cup: Results Based on 150 Consecutive Cases. Surg Technol Int. 2012 Oct 7;XXII. doi:pji: sti22/20
7. E. Bonicoli, V. Zampa, **L. Andreani**, N. Piolanti, M. Lisanti. Three-dimensional MRI study of the hip prosthesis. J Orthopaed Traumatol (2012) 13 (Suppl 1):S1-S24 DOI10.1007/s10195-012-0208-9.
8. E. Bonicoli, N. Piolanti, **L.Andreani**, P.Parchi, M. Lisanti. Preliminary Report with the Regenerex™ revision shell: clinical, functional and radiologic evaluations with a mean follow-up of 25 months. Eur Orthop Traumatolo (2012) DOI 10.1007/s12570-012-0146-2
9. E.Bonicoli, **L.Andreani**, N.Piolanti, L.Dolfi, M.Lisanti. Early experience about Antevera plate for lateral femur fractures. Clinical Cases in Mineral and Bone Metabolism 2012;9(3):187-190

10. M.Rosati, **L.Andreani**, A.Poggetti,, C. Casini, S.Marchetti, M.Lisanti. Risultati a lungo termine del trattamento chirurgico della malattia di De Quervain con ricostruzione mediante plastica a zeta del retinacolo. Riv Chir Mano - Vol.49 (3) 2012.
11. **L. Andreani**, E. Bonicoli, P. Parchi, N. Piolanti, M. Lisanti: Acromio-clavicular repair using two different techniques. Eur J Orthop Surg Traumatol DOI 10.1007/s00590-013-1186-1.
12. **L. Andreani**, P.D. Parchi, N. Piolanti and M. Lisanti. Finger foot phalanx metastasis revealing occult pulmonary adenocarcinoma: A case report and review of the literature. Global Advanced Research Journal of Medicine and Medial Sciencies (GARJMMS) ISSN: 2315-5159 April 2013 Vol, 2(4), pp 100-103.
13. E. Bonicoli, **L. Andreani**, N. Piolanti, V. Zarra and M. Lisanti. Acute compartment syndrome after low-energy medial tibial plateau fracture in a young athlete: A case report and review of the literature. Global Advanced Research Journal of Medicine and Medial Sciencies (GARJMMS) (ISSN: 2315-5159) Vol. 2(6) pp. 133-137, June, 2013
14. E. Bonicoli, P. Parchi, N. Piolanti, **L. Andreani**, F. Niccolai , M. Lisanti Comparison of the POSSUM score and P-POSSUM score in patients with femoral neck fracture. Musculoskeletal Surgery DOI 10.1007/s12306-013-0294-8. July 2013
15. PD. Parchi, V. Ferrari, N. Piolanti, **L. Andreani**, S.Condino, G.Evangelisti, M.Lisanti. Computer Tomography prototyping and virtual procedure simulation in difficult cases of hip replacement surgery. Surg technol Int, 2013 vol. XXIII. Aug 2013
16. Paolo Domenico Parchi, Vittorio O, **Andreani L**, Piolanti N, Cirillo G, Iemma F, Hampel S, Lisanti M . How Nanotechnology can Really Improve the Future of Orthopedic Implants and Scaffolds for Bone and Cartilage Defects. Journal of Nanomedicine & Biotherapeutic Discovery. 08/2013; 3(2):114.
17. Enrico Bonicoli, **Lorenzo Andreani**, Paolo Parchi, Nicola Piolanti, Michele Lisanti. Custom-fit total knee arthroplasty: our initial experience with 30 knees. European Journal of Orthopaedic Surgery & Traumatology 09/2013.
18. Paolo Parchi, Alessandro Paolicchi, Iacopo Castellini, **Lorenzo Andreani**, Francesco Ruschi, Nicola Piolanti, Michele Lisanti. Meniscal lacerations assessment with high- (1,5 t) and low field (0,31 t) magnetic resonance and its correlation with arthroscopical gold standard. Minerva Ortopedica e Traumatologica 10/2013; 64(5):497-506.
19. Giuseppe Digrandi, Iacopo Castellini, **Lorenzo Andreani**, Nicola Piolanti, Michele Lisanti. Treatment with O'Nil plate in 3–4 part fractures of the proximal humeral epiphysis. Journal of Orthopaedics and Traumatology. 10/2013; 14(Supp 1):9-10.

20. Paolo Domenico Parchi, Nicola Piolanti, Iacopo Castellini, **Lorenzo Andreani**, Stefano Marchetti, Francesco Niccolai, Michele Lisanti. Comparison between angular stability plate and conventional plate for the treatment of lateral malleolar fractures. *Minerva Ortopedica Traumatologica* 2013 December; 64 (6):603-8.
21. Paolo Domenico Parchi, **Lorenzo Andreani**, Nicola Piolanti, Valentina Cervi, Michele Lisanti. Effect of Vitamin D in fracture healing in a child: case report. *Arch Osteoporos.* 2014 Dec;9(1):170. doi: 10.1007/s11657-013-0170-z. Epub 2014 Jan 23
22. Paolo D. Parchi, Gisberto Evangelisti, Antonella Vertuccio, Nicola Piolanti, **Lorenzo Andreani**, Valentina Cervi, Christian Giannetti, Giuseppe Calvosa and Michele Lisanti. Biomechanics of Interspinous Devices. *BioMed Research International.* Volume 2014 (2014), Article ID 839325. <http://dx.doi.org/10.1155/2014/839325>.
23. **Lorenzo Andreani**, Paolo Domenico Parchi, Enrico Bonicoli, Nicola Piolanti, Valentina Cervi, Veronica Zarra, Francesco Addevico, Michele Lisanti. Evaluation of orthopaedic fast-track surgery from 2009 to 2013 in an Italian hospital. *Research* 2014;1:833 <http://dx.doi.org/10.13070/rs.en.1.833>
24. P. D. Parchi, M. Cecchini, S. Antonini, N. Piolanti, **L. Andreani**, A. Poggetti, M. Lisanti, V. Orazio. Nanostructured materials: a new approach to design innovative scaffolds for the treatment of bone defects. *Bone Joint J* 2014 vol. 96-B no. SUPP 11 244.
25. Bonicoli E., **Andreani L.**, Piolanti N., Zarra V., Lisanti M. Case report: late subtrochanteric fracture post radiofrequency ablation of osteoid osteoma. *Clinical Case in Bone and Mineral Metabolism* doi: 10.11138/ccmbm/2014.11.2.145
26. Parchi PD, Cervi V, Piolanti N, Ciapini G, **Andreani L**, Castellini I, Poggetti A, Lisanti M. Densitometric evaluation of periprosthetic bone remodeling. *Clin Cases Miner Bone Metab.* 2014 Sep;11(3):226-31. Piolanti N, **Andreani L**, Parchi PD, Bonicoli E, Niccolai F, Lisanti M
27. Clinical and radiological results over the medium term of isolated acetabular revision. *Scientific World Journal.* 2014;2014:148592. doi: 10.1155/2014/148592. Epub 2014 Dec 28 Piolanti N, Nesti A, **Andreani L**, Parchi PD, Cervi V, Castellini I, Marchetti S. The fifty most cited Italian articles in the orthopaedic literature. *Musculoskelet Surg.* 2015 Apr 7.
28. PD Parchi, V Ferrari, S Condino, M Carbone, **L Andreani**, M Novi, M Lisanti. Patient-specific templates for pedicle spine screw placement: literature review and proposal of a new design *European Spine Journal* 04/2015; 24(4):882.
29. Parchi PD, Evangelisti G, **Andreani L**, Girardi F, Darren L, Sama A, Lisanti M Postoperative Spine Infections. *Orthop Rev (Pavia).* 2015 Sep 28;7(3):5900. doi: 10.4081/or.2015.5900. eCollection 2015 13 13 Sep 28. Review

30. **Andreani L**, Bonicoli E, Piolanti N, Parchi P, Niccolai F, Carmignani A, Lisanti M. Prospective Randomized Controlled Trial of Two Different Intramedullary Nails for Pertrochanteric Fractures of the Femur. *Surg Technol Int*. 2015 Nov;27:210-4
31. Vaglio S, Prisco D, Biancofiore G, Rafanelli D, Antonioli P, Lisanti M, **Andreani L**, Basso L, Velati C, Grazzini G, Liembruno GM Recommendations for the implementation of a Patient Blood Management programme. Application to elective major orthopaedic surgery in adults *Blood Transfus*. 2016 Jan;14(1):23-65. doi: 10.2450/2015.0172-15. Epub 2015 Dec 1
32. Parchi PD, Vittorio O, **Andreani L**, Battistini P, Piolanti N, Marchetti S, Poggetti A, Lisanti M. Nanoparticles for Tendon Healing and Regeneration: Literature Review. *Front Aging Neurosci*. 2016 Aug 22;8:202. doi: 10.3389/fnagi.2016.00202. eCollection 2016. Review.
33. Castellini I, **Andreani L**, Parchi PD, Bonicoli E, Piolanti N, Risoli F, Lisanti M. Hydroxyapatite in total hip arthroplasty. Our experience with a plasma spray porous titanium alloy/hydroxyapatite doublecoated cementless stem. *Clin Cases Miner Bone Metab*. 2016 Sep-Dec;13(3):221-227. doi: 10.11138/ccmbm/2016.13.3.221. Epub 2017 Feb 10.
34. Piolanti N, Giuntoli M, Nucci AM, Battistini P, Lisanti M, **Andreani L**. Profunda Femoris Artery Pseudoaneurysm after Intramedullary Fixation for a Pertrochanteric Hip Fracture. *J Orthop Case Rep*. 2017 Mar-Apr;7(2):74-77. doi: 10.13107/jocr.2250-0685.758.
35. **L Andreani**, A M Nucci M Giuntoli M Lisanti Compressive Femoral Neuropathy Associated with Iliopsoas Hematoma Complicating Hip Hemiarthroplasty: A Case Report *J Orthop Case Rep Sep-Oct;7(5):3-6*. doi: 10.13107/jocr.2250-0685.872.
36. M.De Gori, A. D'Arienzo, **L. Andreani**, G. Beltrami, DA Campanacci, P. De Biase, F. Frenos, S. Giannotti, F. Sacchetti, F. Totti, PD Parchi, R. Capanna Complications and survival of megaprotheses after resection of bone metastases October 2017 *Journal of biological regulators and homeostatic agents* 31(4 suppl 1):43-50
37. **Andreani L**, Nucci AM, Giuntoli M, Lisanti M. Compressive Femoral Neuropathy Associated with Iliopsoas Hematoma Complicating Hip Hemiarthroplasty: A Case Report. *J Orthop Case Rep*. 2017 Sep-Oct;7(5):3-6. doi: 10.13107/jocr.2250-0685.872.
38. Colangeli S, Parchi P, **Andreani L**, Beltrami G, Scoccianti G, Sacchetti F, Ceccoli M, Totti F, Campanacci DA, Capanna R. Cryotherapy efficacy and safety as local therapy in surgical treatment of musculoskeletal tumours. A retrospective case series of 143 patients. *J Biol Regul Homeost Agents*. 2018 Nov-Dec;32(6 Suppl. 1):65-70.
39. Ghermandi R, Pipola V, Colangeli S, Parchi P, **Andreani L**, Capanna R, Gasbarrini A. Polymethylmethacrylate-augmented fenestreted pedicle-screw fixation in low bone quality patients: a

case series and literature review. *J Biol Regul Homeost Agents*. 2018 Nov-Dec;32(6 Suppl. 1):71-76. Review.

40. **Andreani L**, Pianigiani S, Bori E, Lisanti M, Innocenti B. Analysis of Biomechanical Differences Between Condylar Constrained Knee and Rotating Hinged Implants: A Numerical Study. *J Arthroplasty*. 2020 Jan;35(1):278-284. doi: 10.1016/j.arth.2019.08.005. Epub 2019 Aug 7.
41. D'Arienzo A, **Andreani L**, Sacchetti F, Colangeli S, Capanna R. Hereditary Multiple Exostoses: Current Insights. *Orthop Res Rev*. 2019 Dec 13;11:199-211. doi: 10.2147/ORR.S183979. eCollection 2019. Review.
42. Sacchetti F, **Andreani L**, Palazzuolo M, Cherix S, Bonicoli E, Neri E, Capanna R. Carbon/PEEK nails: a case-control study of 22 cases. *Eur J Orthop Surg Traumatol*. 2019 Dec 21. doi: 10.1007/s00590-019-02602-4
43. **Lorenzo Andreani**, Sheila Shytaj, Elisabetta Neri, Fabio Cosseddu, Antonio D'Arienzo, Rodolfo Capanna Bone Marrow Concentrate in the Treatment of Aneurysmal Bone Cysts: A Case Series Study *Stem Cells Int* 2020 Aug 21;2020:8898145. doi: 10.1155/2020/8898145. eCollection 2020.
44. Agostini G, Angelini I, Citarelli C, **Andreani L**, Carmassi F, Scaglione M, Capanna R Clinical and radiographical outcome after surgical treatment of periprosthetic type B proximal femur fractures: a retrospective study. *Musculoskelet Surg*. 2020 Sep 18. doi: 10.1007/s12306-020-00676-6. Online ahead of print. PMID: 32949004
45. Cosseddu F, Shytaj S, Sacchetti F, Capanna R, Manca M, Parchi PD, Scaglione M, **Andreani L** Total hip replacement: a retrospective multicentric analysis on re-intervention rate after single component revision *J Biol Regul Homeost Agents*. 2020 Jul-Aug;34(4 Suppl. 3):191-196. Congress of the Italian Orthopaedic Research Society. PMID: 33261276
46. Filoni G, Di Lonardo M, Mandile G, **Andreani L**, Falossi F, Franchi A, Bottai V, Capanna R. Distrectual osteosarcopenia in limb disuse: case report and mini literature review. *Acta Biomed*. 2020 Dec 30;91(14-S):e2020005. doi: 10.23750/abm.v91i14-S.10785. PMID: 33559641
47. Colangeli S, Del Chiaro A, **Andreani L**, D'Arienzo A, Parchi P, Capanna R Giant cell tumor of extremities, surgical treatment and local adjuvants: which is the most effective? *J Biol Regul Homeost Agents*. 2020 Sep-Oct;34(5 Suppl. 1):57-62. IORS Special Issue on Orthopedics. PMID: 33739006 Review.
48. Gabriele L, Gariffo G, Grossi S, Ipponi E, Capanna R, **Andreani L**. Closed Incisional Negative Pressure Wound Therapy (ciNPWT) in Oncological Orthopedic Surgery: Preliminary Report. *Surg Technol Int*. 2021 Mar 23;38:sti38/1429. doi: 10.52198/21.STI.38.OS1429. Online ahead of print. PMID: 33755942

49. COVIDSurg Collaborative, GlobalSurg Collaborative. SARS-CoV-2 vaccination modelling for safe surgery to save lives: data from an international prospective cohort study. *Br J Surg*. 2021 Mar 24;znab101. doi: 10.1093/bjs/znab101. Online ahead of print. PMID: 33761533
50. D'Arienzo A, Ipponi E, Ruinato AD, De Franco S, Colangeli S, **Andreani L**, Capanna R Proximal Humerus Reconstruction after Tumor Resection: An Overview of Surgical Management. *Adv Orthop*. 2021 Mar 19;2021:5559377. doi: 10.1155/2021/5559377. eCollection 2021.PMID: 33828866
51. Gaeta R, Aringhieri G, Zampa V, D'Arienzo A, **Andreani L**, Capanna R, Zavaglia K, Franchi A. Acral Dedifferentiated Chondrosarcoma: Report of a Case Arising in the Proximal Phalanx of the Fourth Finger *Int J Surg Pathol*. 2021 Apr 13;10668969211010221. doi: 10.1177/10668969211010221. Online ahead of print.PMID: 33847539
52. **Andreani L**, Giuntoli M, Addevico F, Aringhieri G, Cosottini M, Marchetti S.The effect of viscosupplementation on early-stage knee osteoarthritis: Clinical evaluation and assessment of cartilage in vivo with 7 T MRI. *J Clin Orthop Trauma*. 2021 May 8;19:53-61. doi: 10.1016/j.jcot.2021.04.024. eCollection 2021 Aug.PMID: 34046300
53. Sacchetti F, Alsina AC, Morganti R, Innocenti M, **Andreani L**, Muratori F, Scoccianti G, Totti F, Campanacci DA, Capanna R. Re-excision after unplanned excision of soft tissue sarcoma: A systematic review and metanalysis. The rationale of systematic re-excision. *J Orthop*. 2021 May 14;25:244-251. doi: 10.1016/j.jor.2021.05.022. eCollection 2021 May-Jun. PMID: 34099954 Review.
54. Machine learning risk prediction of mortality for patients undergoing surgery with perioperative SARS-CoV-2: the COVIDSurg mortality score. COVIDSurg Collaborative Co-authors. *Br J Surg*. 2021 Jul 6;znab183. doi: 10.1093/bjs/znab183. Online ahead of print. PMID: 3422765
55. Effects of pre-operative isolation on postoperative pulmonary complications after elective surgery: an international prospective cohort study.COVIDSurg Collaborative; GlobalSurg Collaborative. *Anaesthesia*. 2021 Nov; 76(11):1454-1464. doi: 10.1111/anae. 15560. Epub 2021 Aug 9.PMID: 34371522 Clinical Trial.
56. SARS-CoV-2 infection and venous thromboembolism after surgery: an international prospective cohort study.COVIDSurg Collaborative; GlobalSurg Collaborative .*Anaesthesia*. 2021 Aug 24. doi: 10.1111/anae. 15563. Online ahead of print.PMID: 34428858
57. Effect of COVID-19 pandemic lockdowns on planned cancer surgery for 15 tumour types in 61 countries: an international, prospective, cohort study.COVIDSurg Collaborative.*Lancet Oncol*. 2021 Oct 5:S1470-2045(21)00493-9. doi: 10.1016/S1470-2045(21)00493-9. Online ahead of print.PMID: 34624250

58. CITARELLI, C., SACCHETTI, F., AGOSTINI, G., **Andreani L.** SCAGLIONE, M., Capanna R. Clinical and functional outcomes after type B-C(AO/OTA) distal humeral fractures treated with locking compression plates: A retrospective study *Minerva Orthopedics* 2021, 72(4), pp. 425–431
59. **ANDREANI, L.**, IPPONI, E., NERI, E., CAPANNA, R. 3D printing in orthopedic oncology surgery *Minerva Orthopedics* 2021, 72(4), pp. 352–358
60. Neri E, Gabriele L, Bottai V, **Andreani L**, Bonicoli E, Scaglione M. Preventive bilateral femoral nailing in atypical femoral fracture non responder to anabolic therapy: case report and mini-review. *Biomed.* 2022 Jan 20;92(S1):e2021130. doi: 10.23750/abm.v92iS1.10452.
61. **Andreani L**, Ipponi E, Ruinato DA, De Franco S, D'Arienzo A, Capanna R. PMID: 35049529 Schwannomas of the peroneal nerves: Clinical and functional results of surgical treatment. *J Musculoskelet Neuronal Interact.* 2022 Mar 1;22(1):87-92.
62. **Andreani L**, Ipponi E, Ruinato AD, Falcinelli F, De Franco S, D'Arienzo A, Capanna R. Peripheral schwannomas of the tibial nerve: surgical results in a case series. *Acta Biomed.* 2022 Mar 14;93(1):e2022085. doi: 10.23750/abm.v93i1.11782. PMID: 35315411
63. **Andreani L**, Ipponi E, Mani O, Bayon G, Ruinato AD, Cosseddu F, D'Arienzo A, Capanna R. Synovial sarcomas: A single surgeon experience of 130 cases. *J Surg Oncol.* 2022 Jun 7. doi: 10.1002/jso.26976. Online ahead of print. PMID: 35670050
64. Mani O, **Andreani L**, D'Arienzo A, Colangeli S, Capanna R. Dedifferentiated chondrosarcoma of the ring finger: a case report of an exceptional surgical treatment and review of literature. *Orthop Rev (Pavia).* 2022 Apr 25;14(3):33581. doi: 10.52965/001c.33581. eCollection 2022. PMID: 35775033
65. Cosseddu F, Ipponi E, Perna L, Paterni S, Capanna R, **Andreani L.** Clinical implications of anticoagulant oral therapy in elderly patients with hip fracture. *Acta Biomed.* 2022 Jul 1;93(3):e2022071. doi: 10.23750/abm.v93i3.12606. PMID: 35775766
66. Mendicino AR, Condino S, Carbone M, Cutolo F, Cattari N, **Andreani L**, Parchi PD, Capanna R, Ferrari V. Augmented Reality as a Tool to Guide Patient-Specific Templates Placement in Pelvic Resections. *Annu Int Conf IEEE Eng Med Biol Soc.* 2022 Jul;2022:3481-3484. doi: 10.1109/EMBC48229.2022.9871766. PMID: 36086331
67. Elective surgery system strengthening: development, measurement, and validation of the surgical preparedness index across 1632 hospitals in 119 countries. NIHR Global Health Unit on Global Surgery; COVIDSurg Collaborative. *Lancet.* 2022 Nov 5;400(10363):1607-1617. doi: 10.1016/S0140-6736(22)01846-3. Epub 2022 Oct 31. PMID: 36328042
68. Complications of patients with bone tumors treated with carbon-fiber plates: an international multicenter study. Carbon-Fiber International Collaboration Initiative Research Group. *Sci Rep.* 2022 Nov 8;12(1):18969. doi: 10.1038/s41598-022-23519-9. PMID: 36348055

69. **Andreani L**, Ipponi E, Nulvesu G, Sacco FD, Fusari N, Capanna R. Reconstruction of the Extensor Apparatus Using a Hybrid Augment with Polyethylene Mesh and Fascia Lata Allograft: Report of a Case with Patellar Gigant Cell Tumor of the Bone. *J Orthop Case Rep.* 2022 Apr;12(4):27-30. doi: 10.13107/jocr.2022.v12.i04.2752. PMID: 36381000
70. D'Arienzo A, Ipponi E, Ferrari E, Campo FR, Capanna R, **Andreani L**. Hemicalcaneal reconstruction with a 3D printed custom-made prosthesis after partial calcaneotomy due to a malignant bone tumor. *Acta Biomed.* 2023 Feb 13;94(S1):e2023012. doi: 10.23750/abm.v94iS1.13846. PMID: 36779939
71. De Franco S, Ipponi E, Ruinato AD, Parchi PD, **Andreani L**, Scaglione M, Capanna R. *Acta Biomed.* 2023 Feb 13;94(1):e2023013. doi: 10.23750/abm.v94i1.13058. PMID: 36786271 Femoral neck fractures treated with cannulated screws: can surgeons predict functional outcomes and minimize the risk of necrosis?

Book Chapters

- Chapter: “La tendinopatia: dall’epidemiologia al quadro clinico” S. Marchetti, I. Castellini, C. Casini, P. Battistini, L. Bonini, L. Dolfi, N. Piolanti, A. Baluganti, **L. Andreani**, C. Giannetti, A. Poggetti, C. Baggiani. In *Tendinopatie: clinica, terapia e riabilitazione*.
- Chapter: “The fight against the Slime: Can we ever win?” M. Lisanti, N. Piolanti, E. Taglaferri, **L. Andreani**, P. Parchi, F. Menichetti. In *Perioperative Medical Management for total joint arthroplasty*, Ed. Springer
- Chapter: Patient’s Specific Template for Spine Surgery Paolo D. Parchi, Gisberto Evangelisti, Valentina Cervi, **Lorenzo Andreani**, Marina Carbone, Sara Condino, Vincenzo Ferrari, Michele Lisanti In *Computer-Assisted Musculoskeletal Surgery Thinking and Executing in 3D* Springer 2016
- Chapter: The Rationale of 3D Printing in Oncological Orthopaedics Rodolfo Capanna, **Lorenzo Andreani** in *3D Printing in Bone Surgery* Spriger 2022

Research Work

- Participated as co-investigator and coordinator in Pisa for “Giotto Study on Evaluation on thromboembolism after hip and knee prosthesis surgery” sponsor by Sanofi-Aventis 2010-2011.
- To date I am co-investigator and coordinator in Pisa for the “Continuum study Ceramic Bearing System in Total Hip Arthroplasty, an international multi center prospective, non controlled post market surveillance study, sponsor by Zimmer. 2011-2021.”

- Participated as co-investigator and coordinator in Pisa for the CL3-12911-037 “The Periprosthetic bone loss study, an international multi center prospective, controlled, double blind study.” 2011-2012, sponsor by Servier.
- Today Co-investigator and coordinator in Pisa for the prospective monocentric study “Evaluation of the evolution of cartilage degradation by MRI 7 Tesla in patients with knee osteoarthritis receiving intra-articular injections of a hyaluronan derivative Hymovis”, sponsored by Fidia.
- Today Principal Investigator in Pisa for the multicentric study “Sacral Chordoma: studio randomizzato e osservazionale sulla chirurgia in confronto alla radioterapia nella malattia primitiva localizzata (SACRO)
- Today Principal Investigator in Pisa for Studio TRITONE (SmarT bioactive peRsonalised and Implantable 3D prinTed scaffold for tendon regeNEration), Bando Salute Regione Toscana 2018 (900.000 Euro)
- Today co-investigator in Pisa for Studio Cryo2AR Bando Salute Regione Toscana 2018
- Today Principal Investigator in Pisa for Studio TOSCANO (The Omics SCiences AgaiNst Osteosarcoma) Bando Salute regione Toscana 2018
- Today Principal Investigator investigator in Pisa for “Interventional pilot study on the evaluation of the functionality, the safety, and the reliability of an implantable bi-directional Myokinetic interface for the natural control of artificial limbs” (MYKY)
- Today Principal Investigator in Pisa for the multicentric national study “SOFIA” Studio Osservazione multicentrico prospettico no profit sulle metastasi ossee trattate chirurgicamente in collaborazione con Istituto Superiore di Sanità”
- Today Co-investigator in Pisa for the study “Studio: Isolamento e caratterizzazione di cellule staminali tumorali energetiche (e-CSCs) da lesioni primarie e metastatiche di tumori solidi e da sangue di pazienti oncologici.”
- Today Principal Investigator in Pisa for the multi centric International study (RECON): “Proximal Tibial Reconstruction” sponsor by Massachusetts General Hospital.
- Today Co-Investigatior in Pisa for the study: Phase 3, Randomized, Placebo-controlled, Double-blind Study of Vimseltinib to Assess the Efficacy and Safety in Patients with Tenosynovial Giant Cell Tumor (MOTION)

National Guide Line

- Raccomandazioni per l’implementazione del programma di Patient Blood Management Applicazione in chirurgia ortopedica maggiore elettiva dell’adulto. Stefania Vaglio, Domenico Prisco, Gianni Biancofiore, Daniela Rafanelli, Paola Antonioli, Michele Lisanti, **Lorenzo Andreani**, Leonardo Basso,

Claudio Velati, Giuliano Grazzini, Giancarlo Maria Liembruno. JULY 2015. Approved by SIOT, SIMTI, SIAARTI, SISET, ANMDO

Teaching and Coordinator Experience

- Since 2017 Invited Professor at University of Pisa in the Orthopaedic and Traumatology Residency Program
- Instructor in many Cadaver Labs Courses
- Since 2021 Invited Professor at University of Pisa for Master II level in Oncological Orthopedic Surgery Program
- Since 2022 Invited Professor at University of Pisa for Master II Level in “Musculo-skeletal Imaging”
- Main Coordinator of several Institutional course about Advance Life Support, Rehabilitation Program after Orthopedic Oncological Surgery, Patient Blood Management
- Main Coordinator of Hospital Meetings with all major Medical Companies
- Hospital Coordinator for Regional Pediatric Trauma Net
- Hospital Coordinator in the Group Against Infections Related to Assistance (Orthopaedic Section)
- Hospital Coordinator for Patient Blood Management in Orthopedic Surgery Path
- Main Coordinator of Surgical Planning for Oncological Orthopedic Surgery
- Stop the Bleed Course Instructor
- Orthopaedic Instructor for the Team USAR Medium for Emergency Clinicians in collaboration with Civil Protection Department and Fireguards.
- Member of Independent Assessments and Evaluations of ERNs & HCPs

Meetings and Congress Attenders

- Invited speaker and moderator to more than 100 national and international events

Scientific and Organizational Secretariat for Meetings and Courses

- 8° Congresso Nazionale dell'Accademia Universitaria di Ortopedia e Traumatologia (AOUT) 2016
- Italian Sarcoma Group national Congress in Pisa 2019
- European EMSOS Congress in Florence 2019
- Advances in Limb Surgery in Florence 2022
- Basic Microsurgery Course in Pisa 2019-2020-2022

Society Affiliation:

- Member of S.I.O.T Società Italiana di Ortopedia e Traumatologia since 2011
- Member of O.T.O.D.I. Ortopedici e Traumatologi Ospedalieri d'Italia since 2011
- Member of C.I.O.S.M. Club Italiano Oncologia del Sistema Muscolo Scheletrico since 2012 and Member of the Directive Board 2021-2024
- Member of I.S.G. Italian Sarcoma Group since 2017
- Member of S.P.I.G.C. Società Polispecialistica giovani Chirurghi since 2018
- Member of G.C.U. (Gruppo chirurgia d'urgenza) since 2016 (Director of the orthopaedic section and member of the Directive Board 2022-2025)
- Member of Euro-Ewing Consortium
- Member of the European Cancer Organization focused on Bone and Sarcoma Tumor (involved for patients coming from Ukraine War)

Language

- **Italian** Mother tongue
- **English** Reading: very good
Writing: very good
Oral expression: very good
- **French** Reading: sufficient
Writing: sufficient
Oral Expression: sufficient

Autorizzo al trattamento dei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali" e del GDPR (Regolamento UE 2016/679).

29/01/2023

Lorenzo Andreani