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Education and Training

Miguel A . Ayerza M.D.

Fellowship – Orthopedic Oncology
Italian Hospital of Buenos Aires. Ottolenghi Institute.
Buenos Aires Argentina July 1987 – June 1988

Post-Doctoral Fellowship - Orthopaedic Surgery / Adult Reconstruction
Rush Presbyterian St Lukes Hospital, Chicago USA. 1986

Residency - Orthopaedic Surgery
Medical Training and Research Center (CEMIC)
Buenos Aires Argentina July 1982 - Jun 1985

Medical Doctor,
University of Buenos Aires, School of Medicine
Buenos Aires, Argentina 1975 - 1981

Accreditations, Licenses and Certifying Examinations

- Doctor of Medicine – University of Buenos Aires 2009
- Argentine Board certificate of Consultant Orthopedic Surgeon 2000
- Argentine Board certificate. Argentine Orthopedic and Traumatology Association. AAOT Diplomat. December 1987.
- Medical Degree. Republic of Argentina, Ministry of Health - Ministry of National Education No. 62294 1981.

Academic and Clinical Experience

- University of Buenos Aires, Full Professor of Orthopedic Surgery. July 2014 – Present
- Italian Hospital of Buenos Aires, School of Medicine, Assistant Professor of Orthopedic Surgery July 2007
- University of Buenos Aires, Assistant Professor of Orthopedic Surgery. July 2005 – June 2014
- Italian Hospital of Buenos Aires, Chair Orthopedic Oncology Section, Ottolenghi Institute. Buenos Aires Argentina. 2001 - 2022
- Italian Hospital of Buenos Aires. Attending Physician Orthopedic department. Ottolenghi Institute. Buenos Aires Argentina. 1999 - 2022.
- Italian Hospital of Buenos Aires. Attending Physician Orthopedic Research Laboratory. CINEOT - CONICET. Buenos Aires Argentina. 1990 – 1999.

Awards

Awards

- 1988 "Domingo J. Brachetto Brian" Research Award granted by the National Academy of Medicine.
Pronostic Factors in Malignant Bone Tumors. Buenos Aires.
- 1999 "Latin-american Orthopedic Society" Award, granted by the Argentine Orthopedic and Traumatology Society. "Patellar Fractures associated to the use of patellar tendon for the reconstruction of the ACL"
- 2001 "Latin-american Orthopedic Society" Award, granted by the Argentine Orthopedic and Traumatology Society. "High grade osteosarcoma around the knee. Treatment and survivalship"
- 2002 "Carlos Ottolenghi" Award granted by the Argentine Orthopedic and Traumatology Society. "Integración donante-receptor del LCA en trasplantes osteoarticulares alogeneicos. Estudio histológico molecular"
- 2003 "Best Audio-Visual presentation" Award, granted by the Association of Bone and Joint Surgeons USA "Intercalary femur or tibia segmental Allografts".
- 2006 "1st Place Winner in Poster Classification: Tumor" Award, granted by the American Academy of Orthopaedic Surgeons USA "Outcome of Proximal Tibia Osteoarticular Allografts Reconstruction After Tumor Resections".
- 2007 "SIROT Oral Presentation Award" "Mesenchymal and autologous chondrocyte cell-based repair of large. Full thickness defects of articular cartilage".
- 2007 "Prof. Dr. Luis Petracchi" granted by the Asociación para el Estudio de la Cadera y la Rodilla "Artroplastía mono-compartimental simultánea en genu-varo bilateral".
- 2009 "MIMICS Award Innovation Conference", granted by Materialise Company (Leuven, Belgica), "Reproductibility of three dimensional distal femur solid model using the same threshold level".
- 2009 "Enrique Finochietto" Award, granted by the Honorable National Academy of Medicine "Sistema de banco de huesos virtual. Estudio morfométrico tridimensional".
- 2010 Best research paper granted by the Argentine Orthopedic and Traumatology Society. "Nuevas tecnologías de planeamiento preoperatorio. Modelo experimental In Silico"
- 2011 "Bernardino Rivadavia" Award. National Academy of Medicine. (2011)
- 2011 "Dr. Luis A. Tamini" Award. Argentine Orthopaedic Association
- 2012 Best paper Award in the 64 Annual Meeting of the Association of Bone and Joint Surgeons. USA. "Does epiphyseal preservation in osteosarcoma around the knee affect survival and local recurrence". Charleston, South Carolina, USA.
- 2013 "Mario Campanacci" Award Best Podium Presentation for the paper "Multiplanar osteotomies guided by navigation for bone tumor resection" 17th General Meeting de la International Society of Limb Salvage. Bologna, Italia,
- 2015 "CORR AWARD" to the best paper from Latin America published In Clinical Orthopedic and Related Research during the year of 2015.
- 2016 Latin America Award: Granded by CORR to the paper Are Survivorship and Outcomes of Endopprothetic replacement and Osteoarticular Allofraft Similar?
- 2016 "Carlos E. Ottolenghi" Award Granted by de Honorable National Academy of Medicine to the paper "Osteoarticular reconstructions with Massive bone allografts Y malignant bone sarcomas"
- 2022 " Carlos E. Ottolenghi" Award Granted by de Honorable National Academy Of medicine to the paper " ACL reconstructions results, after

22 years of Follow-up”
2023 “Konex Award” Merit Diploma in Surgery by Konex Foundation.

Honor

- 1999 Visiting Instructor, Mayo Clinic. Parctical course Allograft reconstructions in Orthopedic Oncology reconstructions, Mayo Clinic Rochester, Minesota. USA 1999
- 2007 Visiting Instructor Mayo Clinic Rochester, Minesota, USA 2007
- 2007 Visiting professor Rissoli Institute, Bologna. Italy
- 2008 Guest speaker Conference Mayo Clinic Alumni Association, Buenos Aires.
- 2010 Guest speaker Mayo Clinic Course, USA 2010
- 2015 Visiting Professor University of Texas Health Science Center, USA
- 2015 Visiting Professor University of Miami, USA 2015
- 2016 Visiting Professor “76 Australian Orthopedic Association”
- 2017 Visiting Professor “Forum of the surgical society of the Musculoskeletal Sarcoma, Tokio, Japan.
- 2021 Academic Member of the Medical Science Academy from Cordoba.

Publications

1. [What Is the Expected Learning Curve in Computer-assisted Navigation for Bone Tumor Resection?](#) Farfalli GL, Albergo JI, Ritacco LE, Ayerza MA, Milano FE, Aponte-Tinao LA. Clin Orthop Relat Res. 2016 Feb 25
2. [Is Needle Biopsy Clinically Useful in Preoperative Grading of Central Chondrosarcoma of the Pelvis and Long Bones?](#) Roitman PD, Farfalli GL, Ayerza MA, Múscolo DL, Milano FE, Aponte-Tinao LA. Clin Orthop Relat Res. 2016 Feb 16.
3. [What Happens to the Articular Surface After Curettage for Epiphyseal Chondroblastoma? A Report on Functional Results, Arthritis, and Arthroplasty.](#) Farfalli GL, Slullitel PA, Muscolo DL, Ayerza MA, Aponte-Tinao LA. Clin Orthop Relat Res. 2016 Feb 1
4. [\[Low grade parosteal osteosarcoma. Clinical and oncological outcomes\].](#) Albergo JI, Farfalli GL, Ayerza

- MA, Muscolo DL, Aponte-Tinao LA. *Medicina (B Aires)*. 2015;75(5):303-6.
5. [Use of Massive Allografts to Manage Hydatid Bone Disease of the Femur](#). Muscolo DL, Zaidenberg EE, Farfalli GL, Aponte-Tinao LA, Ayerza MA. *Orthopedics*. 2015 Oct;38(10):e943-6.
 6. [Proximal humeral osteoarticular allografts: technique, pearls and pitfalls, outcomes](#). Farfalli GL, Ayerza MA, Muscolo DL, Aponte-Tinao LA. *Curr Rev Musculoskelet Med*. 2015 Dec;8(4):334-8
 7. [Techniques in surgical navigation of extremity tumors: state of the art](#). Aponte-Tinao LA, Ritacco LE, Milano FE, Ayerza MA, Farfalli GF. *Curr Rev Musculoskelet Med*. 2015 Dec;8(4):319-23
 8. [Oncologic and clinical outcomes in pelvic primary bone sarcomas treated with limb salvage surgery](#). Farfalli GL, Albergó JI, Ritacco LE, Ayerza MA, Muscolo DL, Aponte-Tinao LA. *Musculoskelet Surg*. 2015 Dec;99(3):237-42. doi: 10.1007/s12306-015-0379-7. Epub 2015 Aug 5.
 9. [What Are the Risk Factors and Management Options for Infection After Reconstruction With Massive Bone Allografts?](#) Aponte-Tinao LA, Ayerza MA, Muscolo DL, Farfalli GL. *Clin Orthop Relat Res*. 2016 Mar;474(3):669-73.
 10. [\[Pediatric soft tissue sarcomas: analysis of non rhabdomyosarcoma group\]](#). Farfalli GL, Iriberry A, Albergó JI, **Ayerza MÁ**, Muscolo DL, Aponte-Tinao LA. *Arch Argent Pediatr*. 2014 Dec;112(6):e257-61.
 11. [Survival, recurrence, and function after epiphyseal preservation and allograft reconstruction in osteosarcoma of the knee](#). Aponte-Tinao L, Ayerza MA, Muscolo DL, Farfalli GL. *Clin Orthop Relat Res*. 2015 May;473(5):1789-96.
 12. [Should fractures in massive intercalary bone allografts of the lower limb be treated with ORIF or with a new allograft?](#) Aponte-Tinao LA, Ayerza MA, Muscolo DL, Farfalli GL. *Clin Orthop Relat Res*. 2015 Mar;473(3):805-11.
 13. [\[Survival and complications analysis of 97 patients with bone metastases treated surgically\]](#). Farfalli G, Albergó JI, Rodríguez M, **Ayerza M**, Muscolo L, Aponte-Tinao LA. *Acta Ortop Mex*. 2013 Nov-Dec;27(6):371-4.
 14. [Does intraoperative navigation assistance improve bone tumor resection and allograft reconstruction results?](#) Aponte-Tinao L, Ritacco LE, Ayerza MA, Muscolo DL, Albergó JI, Farfalli GL. *Clin Orthop Relat Res*. 2015 Mar;473(3):796-804.
 15. [The principles and applications of fresh frozen allografts to bone and joint reconstruction](#). Aponte-Tinao LA, Ritacco LE, Albergó JI, Ayerza MA, Muscolo DL, Farfalli GL. *Orthop Clin North Am*. 2014 Apr;45(2):257-69
 16. [\[Surgical treatment of locally aggressive and malignant tumors of the proximal third of the fibula. Oncology results and functional evaluation\]](#). Farfalli GL, Albergó JI, Ayerza MA, Muscolo DL, Aponte-Tinao LA. *Rev Esp Cir Ortop Traumatol*. 2014 Jul-Aug;58(4):212-6. doi: 10.1016/j.recot.2013.11.006. Epub 2014 Jan 22.

17. [Bone tumor resection: analysis about 3D preoperative planning and navigation method using a virtual specimen.](#) Ritacco LE, Milano FE, Farfalli GL, Ayerza MA, Muscolo DL, de Quirós FG, Aponte-Tinao LA. *Stud Health Technol Inform.* 2013;192:1162.
18. [Accuracy of 3-D planning and navigation in bone tumor resection.](#) Ritacco LE, Milano FE, Farfalli GL, Ayerza MA, Muscolo DL, Aponte-Tinao LA. *Orthopedics.* 2013 Jul;36(7):e942-50.
19. [Three-dimensional virtual bone bank system workflow for structural bone allograft selection: a technical report.](#) Ritacco LE, Farfalli GL, Milano FE, Ayerza MA, Muscolo DL, Aponte-Tinao L. *Sarcoma.* 2013;2013:524395.
20. [Allograft reconstruction for the treatment of musculoskeletal tumors of the upper extremity.](#) Aponte-Tinao LA, Ayerza MA, Muscolo DL, Farfalli GL. *Sarcoma.* 2013;2013:925413
21. [Comparison between Constrained and Semiconstrained Knee Allograft-Prosthesis Composite Reconstructions.](#) Farfalli GL, Aponte-Tinao LA, Ayerza MA, Muscolo DL, Boland PJ, Morris CD, Athanasian EA, Healey JH. *Sarcoma.* 2013;2013:489652
22. [Multiplanar osteotomies guided by navigation in chondrosarcoma of the knee.](#) Aponte-Tinao LA, Ritacco LE, Ayerza MA, Muscolo DL, Farfalli GL. *Orthopedics.* 2013 Mar;36(3):e325-30
23. [Clinical and functional outcomes of tibial intercalary allografts after tumor resection.](#) Farfalli GL, Aponte-Tinao L, Lopez-Millán L, Ayerza MA, Muscolo DL. *Orthopedics.* 2012 Mar 7;35(3):e391-6.
24. [Arthroscopy: editorial comment.](#) Ayerza MA. *Clin Orthop Relat Res.* 2012 Apr;470(4):955-6.
25. [Intraoperative ultrasound assistance for excision of impalpable musculoskeletal soft tissue tumors.](#) Farfalli GL, Aponte-Tinao LA, Rasumoff A, Ayerza MA, Muscolo DL. *Orthopedics.* 2011 Sep 9;34(9):e570-3
26. [Intercalary femur allografts are an acceptable alternative after tumor resection.](#) Aponte-Tinao L, Farfalli GL, Ritacco LE, Ayerza MA, Muscolo DL. *Clin Orthop Relat Res.* 2012 Mar;470(3):728-34
27. [Spontaneous healing in complete ACL ruptures: a clinical and MRI study.](#) Costa-Paz M, Ayerza MA, Tanoira I, Astoul J, Muscolo DL. *Clin Orthop Relat Res.* 2012 Apr;470(4):979-85.
28. [Can wedge osteotomy correct depression of the lateral tibial plateau mimicking posterolateral rotatory knee instability?](#) Ayerza MA, Suarez F, Costa-Paz M, Muscolo DL. *Clin Orthop Relat Res.* 2012 Apr;470(4):986-92
29. [Case report: Common femoral artery ligation after sarcoma resection in an infant.](#) Aponte-Tinao L, Farfalli GL, Ayerza MA, Muscolo DL. *Clin Orthop Relat Res.* 2011 Feb;469(2):609-12.
30. [Does increased rate of limb-sparing surgery affect survival in osteosarcoma?](#) Ayerza MA, Farfalli GL, Aponte-Tinao L, Muscolo DL. *Clin Orthop Relat Res.* 2010 Nov;468(11):2854-9.

31. [Viability of loose body fragments in osteochondritis dissecans of the knee. A series of cases.](#) Pascual-Garrido C, Tanoira I, Muscolo DL, Ayerza MA, Makino A. Int Orthop. 2010 Aug;34(6):827-31.
32. [Simultaneous rupture of the anterior cruciate ligament and a knee tumor.](#) Muscolo DL, Costa-Paz M, Aponte-Tinao L, Makino A, **Ayerza M**. Knee Surg Sports Traumatol Arthrosc. 2010 Aug;18(8):1119-21.
33. [Proximal tibia osteoarticular allografts in tumor limb salvage surgery.](#) Muscolo DL, Ayerza MA, Farfalli G, Aponte-Tinao LA. Clin Orthop Relat Res. 2010 May;468(5):1396-404.
34. [Joint preservation after extensive curettage of knee giant cell tumors.](#) Ayerza MA, Aponte-Tinao LA, Farfalli GL, Restrepo CA, Muscolo DL. Clin Orthop Relat Res. 2009 Nov;467(11):2845-51.
35. [Proximal femur allograft-prosthesis with compression plates and a short stem.](#) Muscolo DL, Farfalli GL, Aponte-Tinao LA, Ayerza MA. Clin Orthop Relat Res. 2010 Jan;468(1):224-30.
36. [Massive bone loss from fungal infection after anterior cruciate ligament arthroscopic reconstruction.](#) Muscolo DL, Carbo L, Aponte-Tinao LA, Ayerza MA, Makino A. Clin Orthop Relat Res. 2009 Sep;467(9):2420-5.
37. [Unicondylar osteoarticular allografts of the knee. Surgical technique.](#) Muscolo DL, Ayerza MA, Aponte-Tinao LA, Abalo E, Farfalli G. J Bone Joint Surg Am. 2008 Oct;90 Suppl 2 Pt 2:206-17.
38. [Allograft reconstruction after sarcoma resection in children younger than 10 years old.](#) Muscolo DL, Ayerza MA, Aponte-Tinao L, Farfalli G. Clin Orthop Relat Res. 2008 Aug;466(8):1856-62.
39. [Unicondylar osteoarticular allografts of the knee.](#) Muscolo DL, Ayerza MA, Aponte-Tinao LA, Abalo E, Farfalli G. J Bone Joint Surg Am. 2007 Oct;89(10):2137-42.
40. [Endoscopic resection of symptomatic osteochondroma of the distal femur.](#) Ayerza MA, Abalo E, Aponte-Tinao L, Muscolo DL. Clin Orthop Relat Res. 2007 Jun;459:150-3.
41. [Use of distal femoral osteoarticular allografts in limb salvage surgery. Surgical technique.](#) Muscolo DL, Ayerza MA, Aponte-Tinao LA, Ranalletta M. J Bone Joint Surg Am. 2006 Sep;88 Suppl 1 Pt 2:305-21.
42. [Morselized and structural cortical allograft reconstruction after intralesional curettage of a distal femoral giant-cell tumor.](#) Ayerza MA, Aponte-Tinao LA, Muscolo DL, Abalo ED. Orthopedics. 2006 Aug;29(8):679-82.
43. [Continuity and function of patellar tendon host-donor suture in tibial allograft.](#) Ayerza MA, Aponte-Tinao LA, Abalo E, Muscolo DL. Clin Orthop Relat Res. 2006 Sep;450:33-8.
44. [Effect of erroneous surgical procedures on recurrence and survival rates for patients with osteosarcoma.](#) Ayerza MA, Muscolo DL, Aponte-Tinao LA, Farfalli G. Clin Orthop Relat Res. 2006 Nov;452:231-5.
45. [Anatomic double-bundle posterior cruciate ligament reconstruction using double-double tunnel with tibial](#)

- [anterior and posterior fresh-frozen allograft](#). Makino A, Aponte Tinao L, Ayerza MA, Pascual Garrido C, Costa Paz M, Muscolo DL. Arthroscopy. 2006 Jun;22(6):684.e1-5.
46.

[Medial meniscal tears and spontaneous osteonecrosis of the knee](#). Muscolo DL, Costa-Paz M, **Ayerza M**, Makino A. Arthroscopy. 2006 Apr;22(4):457-60.
47.

[Popliteal artery laceration during arthroscopic posterior cruciate ligament reconstruction](#). Makino A, Costa-Paz M, Aponte-Tinao L, Ayerza MA, Muscolo DL. Arthroscopy. 2005 Nov;21(11):1396.
48.

[Massive allograft use in orthopedic oncology](#). Muscolo DL, Ayerza MA, Aponte-Tinao LA. Orthop Clin North Am. 2006 Jan;37(1):65-74.
49.

[Use of distal femoral osteoarticular allografts in limb salvage surgery](#). Muscolo DL, Ayerza MA, Aponte-Tinao LA, Ranalletta M. J Bone Joint Surg Am. 2005 Nov;87(11):2449-55.
50.

[Simultaneous acute rupture of the patellar tendon and the anterior cruciate ligament](#). Costa-Paz M, Muscolo DL, Makino A, Ayerza MA. Arthroscopy. 2005 Sep;21(9):1143.
51.

[Partial epiphyseal preservation and intercalary allograft reconstruction in high-grade metaphyseal osteosarcoma of the knee](#). Muscolo DL, Ayerza MA, Aponte-Tinao LA, Ranalletta M. J Bone Joint Surg Am. 2005 Sep;87 Suppl 1(Pt 2):226-36.
52.

[Arthroscopic fixation of osteochondritis dissecans of the knee: clinical, magnetic resonance imaging, and arthroscopic follow-up](#). Makino A, Muscolo DL, Puigdevall M, Costa-Paz M, **Ayerza M**. Am J Sports Med. 2005 Oct;33(10):1499-504. Epub 2005 Jul 11.
53.

[Partial epiphyseal preservation and intercalary allograft reconstruction in high-grade metaphyseal osteosarcoma of the knee](#). Muscolo DL, Ayerza MA, Aponte-Tinao LA, Ranalletta M. J Bone Joint Surg Am. 2004 Dec;86-A(12):2686-93.
54.

[Intercalary femur and tibia segmental allografts provide an acceptable alternative in reconstructing tumor resections](#). Muscolo DL, Ayerza MA, Aponte-Tinao L, Ranalletta M, Abalo E. Clin Orthop Relat Res. 2004 Sep;(426):97-102.
55.

[Distal femur osteoarticular allograft reconstruction after grade III open fractures in pediatric patients](#). Muscolo DL, Ayerza MA, Aponte Tinao LA, Ranalletta M. J Orthop Trauma. 2004 May-Jun;18(5):312-5.
56.

[Spontaneous remission of massive solitary eosinophilic granuloma of the femur](#). Muscolo DL, Slullitel G, Ranalletta M, Aponte-Tinao LA, Ayerza MA. J Pediatr Orthop. 2003 Nov-Dec;23(6):763-5.
57.

[Tumors about the knee misdiagnosed as athletic injuries](#). Muscolo DL, Ayerza MA, Makino A, Costa-Paz M, Aponte-Tinao LA. J Bone Joint Surg Am. 2003 Jul;85-A(7):1209-14.
58.

[Epiphyseal primary location for osteosarcoma and Ewing sarcoma in patients with open physis](#). Muscolo DL, Campaner G, Aponte-Tinao LA, Ayerza MA, Santini-Araujo E. J Pediatr Orthop. 2003 Jul-Aug;23(4):542-5.

59. [Comparison of sagittal obliquity of the reconstructed anterior cruciate ligament with native anterior cruciate ligament using magnetic resonance imaging.](#) Ayerza MA, Muscolo DL, Costa-Paz M, Makino A, Rondón L. Arthroscopy. 2003 Mar;19(3):257-61. Review.
60. [Heart transplantation as last resort against Brugada syndrome.](#) Ayerza MR, de Zutter M, Goethals M, Wellens F, Geelen P, Brugada P. J Cardiovasc Electrophysiol. 2002 Sep;13(9):943-4.
61. [Endoscopic surgery in chronic achilles tendinopathies: A preliminary report.](#) Maquirriain J, **Ayerza M**, Costa-Paz M, Muscolo DL. Arthroscopy. 2002 Mar;18(3):298-303.
62. [Magnetic resonance imaging follow-up study of bone bruises associated with anterior cruciate ligament ruptures.](#) Costa-Paz M, Muscolo DL, **Ayerza M**, Makino A, Aponte-Tinao L. Arthroscopy. 2001 May;17(5):445-9.
63. [Survivorship and radiographic analysis of knee osteoarticular allografts.](#) Muscolo DL, Ayerza MA, Aponte-Tinao LA. Clin Orthop Relat Res. 2000 Apr;(373):73-9.
64. [Magnetic resonance imaging evaluation and arthroscopic resection of localized pigmented villonodular synovitis of the knee.](#) Muscolo DL, Makino A, Costa-Paz M, **Ayerza M**. Orthopedics. 2000 Apr;23(4):367-9.
65. [Long-term results of allograft replacement after total calcanectomy. A report of two cases.](#) Muscolo DL, Ayerza MA, Aponte-Tinao LA. J Bone Joint Surg Am. 2000 Jan;82(1):109-12.
66. [Osteonecrosis of the knee following arthroscopic meniscectomy in patients over 50-years old.](#) Muscolo DL, Costa-Paz M, Makino A, Ayerza MA. Arthroscopy. 1996 Jun;12(3):273-9.
67. [Lymphocyte in vitro response to human giant cell tumors.](#) Muscolo DL, Ayerza MA. Clin Orthop Relat Res. 1996 May;(326):55-62.
68. [Human leukocyte antigen matching, radiographic score, and histologic findings in massive frozen bone allografts.](#) Muscolo DL, Ayerza MA, Calabrese ME, Redal MA, Santini Araujo E. Clin Orthop Relat Res. 1996 May;(326):115-26.
69. [Localized pigmented villonodular synovitis of the posterior compartment of the knee: diagnosis with magnetic resonance imaging.](#) Muscolo DL, Makino A, Costa-Paz M, Ayerza MA. Arthroscopy. 1995 Aug;11(4):482-5.
70. [Osteoid osteoma of the hip. Percutaneous resection guided by computed tomography.](#) Muscolo DL, Velan O, Pineda Acero G, Ayerza MA, Calabrese ME, Santini Araujo E. Clin Orthop Relat Res. 1995 Jan;(310):170-5.
71. [The use of a bone allograft for reconstruction after resection of giant-cell tumor close to the knee.](#) Muscolo DL, Ayerza MA, Calabrese ME, Gruenberg M. J Bone Joint Surg Am. 1993 Nov;75(11):1656-62.
72. [Massive femoral allografts followed for 22 to 36 years. Report of six cases.](#) Muscolo DL, Petracchi LJ, Ayerza

MA, Calabrese ME. J Bone Joint Surg Br. 1992
Nov;74(6):887-92.

Book Chapters

1. "Major complications and final outcome of osteoarticular bone allografts". D. Luis Muscolo, M. Ayerza, M. Calabrese. "Limb Salvage. Current Trends" Proceedings of the 7th International Symposium. Editor RWH Pho, Singapur, pgs 197-200, 1993.
2. "Long Term Performance of Massive Allografts", D. Luis Muscolo, M. Ayerza, M.E.Calabrese, E.Santini Araujo. "Total Hip Revision Surgery". Edited by J.Galante, A Rosemberg, y J Callaghan. Raven Press. New York. Págs. 445-460, 1995.
3. "Biology of Bone Allografts", D. Luis Muscolo, M. Ayerza. Chapter 22 "Basic Science. Biology of Bone Grafting". Published in the book "The Adult Hip" edited by J. Callaghan, A. Rosenberg y H. Rubash, Raven Press. Págs.297-312, 1997.
4. "Lesiones tumorales que se presentan como patología deportiva" D. Luis Muscolo, M. Ayerza, A. Makino, M. Costa Paz y L. Aponte. "Medicina y cirugía deportiva" Editor Dr. Vicente Sanchez Alfonso. Editorial Panamericana. España. 2002.
5. "Biology of Bone Allografts", D. Luis Muscolo, M. Ayerza y V. Goldberg. Chapter 22 de "Basic Science. Biology of Bone Grafting". Published on the re-edition "The Adult Hip" editado por J. Callaghan, A. Rosenberg y H. Rubash, Raven Press. Co-editor por invitación. Págs.297-312, 2007.
6. "Masters techniques in orthopedics surgery: Orthopaedic Oncology and Complex Reconstruction". Chapter 17: "Distal femur osteoarticular allograft" pp 207-208, Edited by: Franklin H. Sim, Peter F. M. Choong y Kristy L. Weber, Wolters Kluwer, Lippincott Williams & Wilkins 2011.
7. "Masters techniques in orthopedics surgery: Orthopaedic Oncology and Complex Reconstruction". Chapter 18: "Distal femur allograft prosthetic composite" pp209-214, Edited by: Franklin H. Sim, Peter F. M. Choong y Kristy L. Weber, Wolters Kluwer, Lippincott Williams & Wilkins 2011.
8. "Masters techniques in orthopedics surgery: Orthopaedic Oncology and Complex Reconstruction". Chapter 21: "Transepiphyseal resection and intercalary reconstruction" pp 233-238 Edited by: Franklin H. Sim, Peter F. M. Choong y Kristy L. Weber, Wolters Kluwer, Lippincott Williams & Wilkins 2011.
9. "Masters techniques in orthopedics surgery: Orthopaedic Oncology and Complex Reconstruction". Chapter 29: "Proximal humeral osteoarticular allograft" pp 317-324, Edited by: Franklin H. Sim, Peter F. M. Choong y Kristy L. Weber, Wolters Kluwer, Lippincott Williams & Wilkins 2011.
10. "Masters techniques in orthopedics surgery: Orthopaedic Oncology and Complex Reconstruction". Chapter 36: "Distal radius

osteoarticular allograft" pp 391-398. Edited by: Franklin H. Sim, Peter F. M. Choong y Kristy L. Weber, Wolters Kluwer, Lippincott Williams & Wilkins 2011.

**Podium and
Poster Presentations**
AMERICAN ACADEMY OF ORTHOPEDIC SURGEONS (USA)

1. 1988 ATLANTA. "A Clinical and Radiographic Review of Cementless Threaded Ring Titanium Acetabular Component".
2. 1991 "Massive bone allograft reconstructions in giant cell tumors resections about the knee"
3. 1995 ORLANDO. "Knee Osteoarticular Bone Allografts. Complications and Radiographic Analysis"
4. 1999 CALIFORNIA. "Distal femur bicondylar allograft reconstruction after resections treated with and without chemotherapy"
5. 2000. ORLANDO. "Misdiagnosis of Knee Tumors Simulating Sport-Related Lesions"
6. 2001. SAN FRANCISCO "Magnetic Resonance Evaluation of sagittal Obliquity in Unimpinged ACL graft Reconstructions"
7. 2002 DALLAS. "Distal femur osteoarticular allografts" Poster?
8. 2003 SAN DIEGO. "Patellar tendon host-donor healing after allogeneic extensor mechanism reconstraction"
9. 2004 SAN FRANCISCO. "Epiphysis preservation and intercalary allograft reconstruction."
10. 2004 SAN FRANCISCO "Cement filling compared with bone allografting after curettage of giant cell tumor of the knee."
11. 2005 WASHINGTON. "Unicompartmental Osteoarticular Allografts of the Knee: Survival Analysis and Complications"
12. 2005 WASHINGTON "Misdiagnosis in Osteosarcoma: Effect of Erroneous Surgical Procedure on Recurrence and Survival".
13. 2005 WASHINGTON "Alogeneic Tissue reconstruction of the extensor Mechanism of the knee"
14. 2005 WASHINGTON "Infection in massive bone allografts: lower acute infection rates with vertical laminar flow".
15. 2006 CHICAGO « Effect of internal fixation on nonunion or fracture rates in intercalary femur allografts »
16. 2007 SAN DIEGO "Distal femur osteoarticular allograft after tumor resection: surgical technique and long term results"
17. 2008 SAN FRANCISCO "Osteoarthritis radiographic changes at 12 year follow up of ACL reconstruction of the knee"
18. 2009 LAS VEGAS "Spontaneous Healing in ACL Complete Ruptures. A clinical and Magnetic Resonance Imaging Study."
19. 2009 LAS VEGAS. "Unicondylar osteoarticular allograft reconstruction: surgical"
20. 2009 LAS VEGAS "Massive bone loss due to fungal infection after ACL arthroscopic reconstruction."
21. 2010 "Proximal Tibia Osteoarticular Allograft Reconstruction: Surgical Technique and Long-Term Results. Scientific Exhibit Number: SE65". Co-autor del aporte presentado en el 77 th Annual Meeting of the American Academy of Orthopaedic Surgeons –New Orleans , USA 2010.
22. 2011 "Clinical and Functional Outcome of Tibial Intercalary Allografts Reconstructions" Co-autor del trabajo presentado en el 78th Annual Meeting of the American Academy of Orthopaedic Surgeons – San Diego, CA, U.S.A., 2011

23. 2011 "Validity of an Automatic Measure Protocol for Allograft Selection in a 3-D Virtual Bone Bank System". Co-autor del trabajo presentado en el 78th Annual Meeting of the American Academy of Orthopaedic Surgeons – San Diego, CA, U.S.A., 2011.
24. 2011 "Adamantinoma of bone". Co-autor del poster presentado en el 78th Annual Meeting of the American Academy of Orthopaedic Surgeons – San Diego, CA, U.S.A., 2011.
25. 2011 "Scientific Exhibit SE38, Distal Radius Osteoarticular Allografts Reconstruction: Surgical Techniques and Results". Co-autor del trabajo presentado en el 78th Annual Meeting of the American Academy of Orthopaedic Surgeons, 2011. San Diego, CA, USA.

ORTHOPAEDIC RESEARCH SOCIETY

1. 2010 "Three-Dimensional Morphometric Analysis of the Distal Femur: A Novel Method for Allograft Selection Using a Virtual Bone Bank" Co-autor del trabajo presentado en el Meeting de la ORS – Nueva Orleans, LA, USA, 2010.

ASOCIATION OF BONE AND JOINT SURGEONS, (USA)

1. 2000. SAN ANTONIO USA "Transepiphyseal resections in Bone tumors around the knee"
2. 2000. SAN ANTONIO USA "MRI evaluation of soft tissue reconstruction in Knee Osteoarticular Allografts: Assessment of potential Healing"
3. 2003 PARIS, FRANCIA "Patellar tendon-host Donor Healing alter Allogeneic extensor Mechanism Reconstruction"
4. 2003 PARIS , FRANCIA "Survival Análisis of distal fémur osteoarticular allografts"
5. 2003 PARIS FRANCIA "Intercalary tibial or fémur segmental allografts".
6. 2005 CALIFORNIA USA. "Misdiagnosis in osteosarcoma: effect of erroneous surgical procedure on recurrence and survival"
7. 2005 CALIFORNIA USA "Unicompartmental osteoarticular allografts of the knee: survival analysis and complications"
8. 2006 BUENOS AIRES ARGENTINA " The impact of Improved Limb Sparring Surgery on Oncologic Outcome in High Grade Osteosarcoma"
9. 2008 JACSON HOLE USA "Allograft prosthesis composite can be performed with posterior stabilized TKA for major bone defects"..
10. 2008 JACSON HOLE USA "Allograft reconstruction after sarcoma resection in children under 10 years old".
11. 2009 HAWAI USA. "Computer-assisted 3D preoperative planning for allograft selection."
12. 2010 WASHINGTON, USA "Three-dimensional morphometric analysis of the distal femur: a novel method for allograft selection using a virtual bone bank"
13. 2011 DUBLIN, IRLANDA "Allograft reconstruction for the treatment of musculoskeletal tumors of the upper extremities"
14. 2012 CHARLESTON, USA "Does epiphyseal preservation in osteosarcoma around the knee affect survival and local recurrence"
15. 2012 CHARLESTON, USA "Computer assistance for bone tumor resections"

16. 2013 ESTAMBUL, TURQUIA "Multiplanar osteotomies guided by navigation for bone tumors resection"

MUSCULOSKELETAL TUMOR SOCIETY, (USA)

1. 1998 WASHINGTON DC USA- " Survivor analysis of 118 knee osteoarticular allografts"
2. 1998 WASHINGTON DC. "Osteoid Osteoma of the proximal femur. Incidence of percutaneous resection guided by Computed tomography"
3. 1998 WASHINGTON DC. "Comparison of survivorship and radiographic score of distal femur and proximal tibia osteoarticular allografts"
4. 1998 WASHINGTON DC. "Distal femur bicondylar allograft reconstruction after tumor resections treated with and without chemotherapy"
5. 2002 TORONTO CANADA "MRI Evaluation of soft tissue reconstructions in knee osteoarticular allografts".
6. 2003 CHICAGO USA "Intercalary tibial or femur segmental allografts" .
7. 2005 NASHVILLE "Radiographic and functional outcome of knee extensor mechanism reconstruction after proximal tibia allograft".
8. 2005 NASHVILLE "Misdiagnosis in osteosarcoma: effect of erroneous surgical procedure on recurrence and survival"
9. 2006 KEY WEST USA. "Endoscopic resection of symptomatic osteochondroma of the knee.
10. 2006 KEY WEST USA "Survivorship analysis of proximal femur alloprosthesis".
11. 2006 KEY WEST USA "Functional outcome of distal radius osteoarticular allografts".
12. 2006 KEY WEST USA. "The Impact of Improved Limb Sparing Surgery on Oncologic Outcome in High Grade Osteosarcoma.
13. 2008 ARIZONA USA "Joint sparing reconstruction after intralesional curettage of GCT about the knee".
14. 2010 "Clinical and Functional Outcome of Tibial Intercalary Allografts Reconstructions" Co-autor del trabajo presentado en el Annual Meeting of the Musculoskeletal Tumor Society.– Philadelphia, PA,USA, 2010.
15. 2010 "Clinical and Functional Outcome of Femur Intercalary Allografts Reconstructions" Co-autor del trabajo presentado en el Annual Meeting of the Musculoskeletal Tumor Society.– Philadelphia, PA,USA, 2010.
16. 2010 "Validity of an Automatic Measure Protocol for Allograft Selection in a 3-D Virtual Bone Bank System". Co-autor del trabajo presentado en el Annual Meeting of the Musculoskeletal Tumor Society.– Philadelphia, PA,USA, 2010.
17. 2011 CHICAGO, USA "Allograft reconstruction for the treatment of musculoskeletal tumors of the upper extremity"
18. 2011 CHICAGO, USA "Accuracy in Computer Guided Sarcoma Surgery"
19. 2011 CHICAGO, USA "Computer Assisted Navigation for Bone Tumor Resection"
20. 2011 CHICAGO, USA "Oncologic outcome after epiphyseal preservation in osteosarcoma around the knee"

INTERNATIONAL SIMPOSIUM ON LIMB SALVAGE .

1. 1993 SINGAPORE -"Major Complications and Final Outcome of Osteoarticular Bone Allografts" .

2. 2001. BIRMINGHAM UK "Allograft reimplantation after deep infection"
3. 2001. BIRMINHAM UK "The effect of internal fixation on the incidence of nonunion in massive bone allografts"
4. 2001 BIRMINGHAM UK "Transepiphyseal resection and allograft reconstruction of bone tumors around the knee"
5. 2003 RIO DE JANEIRO, BRASIL "Intercalary tibial or fémur segmental allografts"
6. 2003 RIO DE JANEIRO BRASIL "Patellar tendón-host donor healing after allogeneic extensor mechanism reconstruction"
7. 2003 RIO DE JANEIRO BRASIL "Epiphysis preservation and intercalary allograft reconstruction."
8. 2003 RIO DE JANEIRO BRASIL "Cement Filling Compared with Bone Allografting alter Curettage of Giant cell tumor of the knee"
9. 2013 BOLOGNA, ITALIA "Multiplanar osteotomies guided by navigation for bone tumor resection".
- 10.2013 BOLOGNA, ITALIA "Accuracy of 3D planning and navigation in bone tumor resection.
- 11.2013 BOLOGNA, ITALIA "Tumor resection and allograft reconstruction using intraoperative navigation assistance.
- 12.2013 BOLOGNA, ITALIA "Oncologic results in high grade pelvis sarcomas treated with surgical resection"

COMBINED MEETING INTERNATIONAL SYMPOSIUM ON LIMB SALVAGE AND MUSCULOSKELETAL TUMOR SOCIETY

1. 2009. BOSTON USA. "Impact of improved Limb-sparrrting surgery on oncologic outcome in high grade osteosarcoma"
2. 2009. BOSTON USA. "Epiphysis preservation and intercalary allograft reconstructions in hig grade metaphyseal osteosarcomas of the knee".
3. 2009. BOSTON USA. " Computer assited 3D preoperative planning for allograft selection".
4. 2009. BOSTON USA. "Intraoperative ultrasound assistance for escisión of impalpable soft tissue tumors".

CONECTIVE TISSUE ONCOLOGY SOCIETY (USA)

1. 2004 Montreal Canada. "Unicompartmental osteoarticular allografts of the knee: Survival analysis and complications".
2. 2004 Montreal Canada "Misdiagnosis in osteosarcoma: effect of erroneous surgical procedure on recurrence and survival"
3. 2009. MIAMI, USA "Impact of improved Limb-sparrrting surgery on oncologic outcome in high grade osteosarcoma"

SICOT WORLD CONGRESS.

1. 1993 –SEUL COREA "Histocompatibility, Histopathology and Radiographic Analysis of Massive Bone Allografts" .
2. 1993 – SEUL COREA. "Osteoarticular Bone Allografts".
3. 2002. SAN DIEGO USA "The effect of internal fixation on the incidence of nonunion in massive bone allografts"
4. 2002. SAN DIEGO USA "Transepiphyseal resection and allograft reconstruction of bone tumors around the knee"
5. 2002. SAN DIEGO USA "Distal Femoral osteoarticular allografts in Limb salvage surgery. A minimum four-year review".
6. 2002. SAN DIEGO USA "Allograft reimplantation alter deep infection"
7. 2002. SAN DIEGO USA"Lower infection rates with the use of vertical laminar flor in massive bone allografting"

8. 2006 BUENOS AIRES ARGENTINA "Allograft reconstruction in massive bone-losses"
9. 2006 BUENOS AIRES ARGENTINA "Bone loss. Surgical reconstruction. Tumour"

SOCIETE FRANCAISE DE CHIRURGIE ORTHOPEDIQUE ET TRAUMATOLOGIQUE, (SOFcot)

1. 2005 PARIS FRANCIA "Ciment versus allogreffe fragmentee dans le comblement des tumeurs a cellules geantes du genou"
2. 2005 PARIS FRANCIA "Survie et complications des reconstructions unicompartmentaires du genou"
3. 2005 PARIS FRANCIA « Utilisation d'allogreffes dans les reprises de protheses totales de genou »

EFFORT CONGRESS,:

1. 2007 FLORENCIA ITALIA "Distal femur osteoarticular allograft reconstruction after tumor resection"
2. 2007 FLORENCIA ITALIA. "Unicompartmental osteoarticular allografts of the knee: survival analysis and complications".
3. 2007 FLORENCIA ITALIA "Outcome of proximal tibia osteoarticular allograft reconstruction after tumor resection".
4. 2007 FLORENCIA ITALIA "Accurate measurement of distal femoral allografts pre-operative planning".
5. 2007 FLORENCIA ITALIA "Functional outcome of distal radius osteoarticular allografts after tumor resections".
6. 2007 FLORENCIA ITALIA "Outcome of proximal femur allografts-prosthesis composite reconstruction after bone tumor resection"

INTERNATIONAL SOCIETY OF ARTHROSCOPY KNEE SURGERY AND ORTHOPEDICS SPORTS MEDICINE (ISAKOS) :

1. 1999- WASHINGTON USA "Does Patellar Tendon Reconstruction duplicate normal ACL obliquity"
2. 2001 MONTREAUX SUIZA "Radiographic changes after acl reconstructions after more than 10 years of follow-up.
3. 2007 FLORENCIA ITALIA "Symptomatic posterolateral knee instability after marginal fracture of the lateral tibia plateau"
4. 2009 OSAKA JAPAN "Viability Assessment of intrarticular Osteochondral Knee Fragments."
5. 2009 OSAKA JAPAN "Outcomes after PCL Reconstruction with Double-bundle Using Double-Double Tunnel With Fresh Frozen Allograft."
6. 2011 "Combined meniscus transplantation with articular cartilage repair improved clinical outcomes" Co-autor del paper presentado en el 8th Biennial ISAKOS Congress. Rio de Janeiro, Brasil, 15 al 19 de mayo de 2011

Invited Lectures

MAYO CLINIC, USA.

1. 1999. Mayo Clinic Sport Medicine Conference: "The use of MRI in the evaluation of ACL graft obliquity and Bone Bruise evolution" Rochester, USA. 20 de Agosto de 1999.

2. 2007 Mayo Clinic Sport Medicine Conference: "The role of high tibia osteotomy in the unstable knee" Ivin's Visiting Professor. Mayo Clinic Rochester, Minnesota, 2 al 5 de mayo de 2007.
3. 2007 Cadaver lab MAYO CLINIC. Instructor invitado para curso de cirugía con preparados anatomicos sobre "transplantes osteoarticulares de rodilla" . Mayo Clinic Rochester, USA
4. 2008 International CME Conference de la Mayo Clinic Alumni Association "Survival and long term results of Transplants in Orthopaedic reconstructive surgery"
5. 2010 "Functional outcome of distal radius osteoarticular allografts after tumor resection" Conferencista invitado en la reunion "A celebration of 40 years of musculoskeletal tumor surgery. Honoring Franklin H. Sim" USA, 23 al 25 de septiembre de 2010.
6. 2010 "Limb Salvage III" Moderador en la Sesion IV durante la reunion "A celebration of 40 years of musculoskeletal tumor surgery. Honoring Franklin H. Sim" USA, 23 al 25 de septiembre de 2010.

ISTITUTO ORTOPEDICO RIZZOLI, ITALIA

1. 2007. Istituto Ortopedico Rizzoli. Conferencia "Programa de transplantes óseos en el Hospital italiano de Buenos Aires desde 1948 hasta 2007", Bologna, Italia,

MUSCULOSKELETAL TUMOR SOCIETY

1. 2008 Moderador de las SESSION IV del Annual Meeting de la Musculoskeletal Tumor Society, Arisona USA.
2. 2009 Panelista. Pannel of ISOLS and MSTs Senior Surgeons. Case Presentation: Experts Opinions. J. Sybil Biermann, President

INTERNATIONAL SOCIETY OF LIMB SALVAGE

1. 2013 "Current indications for allograft reconstructions" 17th General Meeting del International Society of Limb Salvage. 11 al 13 de Septiembre de 2013, Bologna, Italia.
2. 2013 "Long term survival for massive bone allografts" 17th General Meeting del International Society of Limb Salvage. 11 al 13 de Septiembre de 2013, Bologna, Italia.

CONGRESO ECUATORIANO

1. 1994 -"Organizacion y Funcionamiento de un Banco de Huesos"
2. 1994 "Biología y Seguimiento Alejado de los Transplantes Óseos Masivos de Banco"
3. 1994 "Tecnicas de Reconstruccion con Transplantes Oseos Masivos de Banco"
4. 1994"Transplantes Osteoarticulares de da Rodilla, Evaluacion Funcional y Radiografica" Conferencista extranjero invitado.
5. 2000. "Tratamiento multidisciplinario en Sarcomas de partes blandas"
6. 2000. "Estado actual de la cirugía de conservación de miembros en Ortopedia y Traumatología"
7. 2000. "Tratamiento Multidisciplinario del Sarcoma de Ewing con localización femoral"
8. 2000. "Reparación de Bankart artroscópica versus a cielo abierto en la inestabilidad anterior del hombro."
9. 2000. "Dificultad Diagnóstica en tumores de rodilla que simulan patología deportiva articular"

CONGRESO COLOMBIANO

1. 2011 "La osteotomía tibial de apertura en la inestabilidad PL no ligamentaria" Conferencista invitado en el 56 Congreso Colombiano de Ortopedia y Traumatología. Colombia, 11 al 14 de mayo de 2011
2. 2011 "El papel del trasplante meniscal en la artrosis de rodilla" Conferencista invitado en el 56 Congreso Colombiano de Ortopedia y Traumatología. Colombia, 11 al 14 de mayo de 2011
3. 2011 "Infección en reconstrucción del LCA" Conferencista invitado en el 56 Congreso Colombiano de Ortopedia y Traumatología. Colombia, 11 al 14 de mayo de 2011
4. 2011 "Uso de tejidos alogéneos en defectos del tendón patelar" Conferencista invitado en el 56 Congreso Colombiano de Ortopedia y Traumatología. Colombia, 11 al 14 de mayo de 2011

CONGRESO DEL PARAGUAY

1. 1995 - "Osteosarcoma"
2. 1995 "Reconstrucción Artroscópica del LCA".
3. 2002. "Tratamiento quirúrgico del osteosarcoma".
4. 2002. "Tratamiento de TCG".
5. 2002. "Inestabilidad posterolateral de rodilla".
6. 2002 "Tratamiento de la lesión de Bankart a cielo abierto y en forma artroscópica".
- 7.

SIMPOSIO INTERNACIONAL DE ARTROPLASTIA

1. 2004 VALLE NEVADO, CHILE "Aloprótesis en casos de revisión de rodilla".
2. 2004 VALLE NEVADO, CHILE "Casos complejos de cirugía de cadera".
3. 2005 SANTIAGO, CHILE "Utilización de aloinjertos en cirugía de revisión de prótesis de rodilla".

SOCIEDAD LATINOAMERICANA DE TUMORES MUSCULOESQUELÉTICOS

1. 1996 GUARUJA BRASIL- "Sarcoma de Ewing. Diagnóstico y tratamiento"
2. 1998 - BOGOTÁ COLOMBIA "Osteosíntesis en los trasplantes óseos masivos"
3. 1996 BOGOTÁ COLOMBIA "Tratamiento del osteoma osteoide de la cadera por resección percutánea con control de tomografía computada"
4. 1996 BOGOTÁ COLOMBIA "Trasplantes osteoarticulares de rodilla posteriores a resecciones oncológicas"
5. 1996 BOGOTÁ COLOMBIA " Morbilidad y complicaciones del curetaje y cementado de los tumores de células gigantes"
6. 2004 VALDIVIA, CHILE "Trasplantes de fémur distal. Planeamiento preoperatorio por tomografía computada".
7. 2004 VALDIVIA, CHILE "Incidencia de infecciones en trasplantes óseos".
8. 2004 VALDIVIA, CHILE "Análisis del tratamiento del condroblastoma epifisario".
9. 2004 VALDIVIA, CHILE "Reconstrucción alogénea del aparato extensor de la rodilla".
10. 2004 VALDIVIA, CHILE "Análisis del sarcoma de Ewing localizado en huesos largos".
11. 2004 VALDIVIA, CHILE "Conservación de miembro y supervivencia en condrosarcoma de fémur".
12. 2004 VALDIVIA, CHILE "Aloprótesis en reconstrucción de defectos óseos masivos".

13. 2004 VALDIVIA, CHILE "Reconstrucción de defectos óseos masivos con prótesis de resección modular".
14. 2004 VALDIVIA, CHILE "Reconstrucciones en tumor de células gigantes de rodilla luego de curetaje intralesional".

CONGRESO CHILENO

1. 2006 SANTIAGO, CHILE "Rol de aloinjertos en reconstrucciones de perdidas masivas en ortopedia"
2. 2006 SANTIAGO, CHILE "Cirugia de conservacion de miembro en el osteosarcoma"
3. 2007 VIÑA DEL MAR, CHILE "Reconstruccion con aloinjerto en sarcomas pediatricos"
4. 2007 VIÑA DEL MAR, CHILE "Transplantes masivos en cirugia oncologica. Experiencia del Hospital Italiano de Buenos Aires desde 1948 a la fecha".
5. 2007 VIÑA DEL MAR, CHILE "Transplantes osteoarticulares de la rodilla"
6. 2007 VIÑA DEL MAR, CHILE "Aloprotesis de cadera"
7. 2007 VIÑA DEL MAR, CHILE "Aloprotesis de rodilla"
8. 2008 CONCEPCION, CHILE "Reconstruccion oncológica del miembro superior con aloinjerto"
9. 2008 CONCEPCION, CHILE "Selección del donante en transplantes oseos"
10. 2008 CONCEPCION, CHILE "Cirugia Oncologica en sarcomas de cadera"

CONGRESO MEJICANO

1. 2008 ACAPULCO, MEJICO "Alternativas de reconstruccion osteocondral, mosaicoplastia autologa vs. Alogeneica"
2. 2008 ACAPULCO, MEJICO "Transplante meniscal, selección del donante, técnica y contrversias"
3. 2008 ACAPULCO, MEJICO "Reconstruccion del LCP con doble banda"
4. 2008 ACAPULCO, MEJICO "Reconstruccion del LCA: estabilidad y cambios radiográficos a 12 años de seguimiento"
5. 2011 DISTRITO FEDERAL, MEJICO "Resultados alejados de los transplantes oseos masivos"
6. 2011 DISTRITO FEDERAL, MEJICO "Impacto de la cirugía de conservación de miembro en la sobrevida del osteosarcoma"
7. 2011 DISTRITO FEDERAL, MEJICO "Utilizacion de navegacion en ortopedia oncológica"

CONGRESO BRASILEIRO

1. 2009. RIO DE JANEIRO, BRASIL. "Reconstrucción alogeneica en pacientes menores de 10 años luego de la reseccion de sarcomas óseos"
2. 2009. RIO DE JANEIRO, BRASIL. "Reseccion transepifisaria en sarcomas de la rodilla",
3. 2009. RIO DE JANEIRO, BRASIL. "Reseccion endoscópica de Osteocondromas de la rodilla".
4. 2009. RIO DE JANEIRO, BRASIL. "Preservación articular en el curetaje del TCG de la rodilla".
5. 2009. RIO DE JANEIRO, BRASIL. "Impacto de la cirugía de conservación en la sobrevida del osteosarcoma".

Editorial Boards

- **Argentine Arthroscopy Journal**
Editor . 1996 - 1997
- **Argentine Association of Orthopaedics and Traumatology Journal**
Editor 2005-2006
- **The journal of ARTHROSCOPY and Related Research,**
Boards of Editors member 1995-2002
- **CLINICAL ORTHOPEDICS AND RELATED RESEARCH.**
Reviewer 2003-2023
Associated Editor Board of Editors 2004-2010
Guest Editor Arthroscopy Symposium 2010
Deputy Editor 2011-2015
- **The JOURNAL OF BONE AND JOINT SURGERY (American) .**
Official Reviewer. 2011-2015
Official Reviewer 2022
- **The AMERICAN JOURNAL OF SPORTS MEDICINE (USA)**
Official Reviewer 2011-2015.

Committees

- International Society of Arthroscopy, Knee Surgery and Orthopedic Sports Medicine. (ISAKOS)
- Association of Bone and Joint Surgeons (ABJS)
- 1997-1998 Chairman of the Argentine Association of Orthopaedics Oncology.
- 2008-2010 Chairman of the Argentine Arthroscopy Association
- 2011-2012 Vice-Chairman of the Association of Bone and Joint Surgeons, USA.
- 2013-2014 Chairman of the Association of Bone and Joint Surgeons
- 2014 Secretary of the Argentine Association of Orthopaedics and Traumatology
- 2015 Secretary of the Argentine Association of Orthopaedics and Traumatology Annual Meeting.
- 2020 Chairman of the Argentine Association of Orthopedic and Traumatology

Professional Memberships

- 1986- "Rush Orthopedic Alumni Association" Compuesta por ex-residentes del Rush Presbyterian St. Lukes Medical Center, Chicago, Illinois. EEUU
- 1995 - "International Arthroscopy Association"
- 1995 - "International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine" (ISAKOS)
- 1996 - Sociedad Latinoamericana de tumores Músculo-esqueléticos (SLATME)
- 1997 - "AO Alumni Association" (AOAA)
- 1999 – "Association of Bone and Joint Surgeons" (ABJS)
- 2002 Musculoskeletal Tumor Society (MSTS)
- 2003 Miembro del Cientific Comitee del 12 th Internacional Simposium of Limb Salvage. Rio de Janerio, Brasil, Septiembre 2003.
- 2006 Miembro del Program Committee de la Association of Bone and Joint Surgeons
- 2008 Miembro del Membership Committee de la ABJS
- 2011-2013 Vicepresidente de la Association of Bone and Joint Surgeons

- 2013-2015 Presidente de la Association of Bone and Joint Surgeons
- 1982 - Miembro Adherente; Asociación Argentina de Ortopedia y Traumatología
- 1987 - Miembro Titular; Asociación Argentina de Ortopedia y Traumatología.
- 1988 - Miembro Adherente; Asociación Argentina de Artroscopia.
- 1989 - Miembro Titular; Asociación Argentina de Artroscopia.
- 1993 - Miembro Titular; Asociación Argentina de Ortopedia Oncológica.
- 1997-1998 – Presidente de la Asociación Argentina de Ortopedia Oncologica
- 2000- Miembro del Capítulo Argentino de la AO Alumni Association
- 2003 Miembro correspondiente Nacional de la Sociedad de Ortopedia y Traumatología de Cordoba.
- 2005 Miembro Titular de la Asociación Argentina de Cirugía de Cadera y Rodilla ACARO
- 2006-2008 Vice-Presidente de la Asociación Argentina de Artroscopía
- 2007 Director de Publicaciones de la Asociación Argentina de Ortopedia y Traumatología
- 2008-2010 Presidente de la Asociación Argentina de Artroscopía.
- 2012-2013 Prosecretario de la Asociación Argentina de Ortopedia y Traumatología.

Argentine Publications and Podium Presentations

LILACS publications

**Argentine Association of Orthopedic and Traumatology meetings
150 participations.**