

PUBBLICAZIONI SCIENTIFICHE CVOD 2009- 2017

1. Simonetti L, Gasbarrini A, Boriani S, Leonardi M. Preoperative Evaluation Of Tumor Extension, Cord Vascularisation, Embolisation, Recurrence. Normal Images, Pathological Findings, Patient's Tolerance To Injections Of Massive Amounts Of Iodine. Validity Of Gadolinium Enhancement. In: The Evaluation Of Tumor Vascularisation. In: Artospine News & Journal 2009; vol. 21.
2. L. Boriani, C. Salvadori, M. Cappuccio, M. Mazzetti, L. Mirabile, A. Gasbarrini. Diagnostic and therapeutic approach to vertebral osteomyelitis. European Bone and Joint Infection Society 2009; 91-B. Supp II.
3. Palmisani M, Gasbarrini A, Barbanti Brodano GB, De Iure F, Cappuccio M, Boriani L et al. Minimally Invasive Percutaneous Fixation In The Treatment Of Thoracic And Lumbar Spine Fractures. EUROPEAN SPINE JOURNAL 2009; vol. 18, p. 71-74.
4. Li H, Gasbarrini A, Cappuccio M, Terzi S, Paderni S, Mirabile L, Boriani S. Outcome Of Excisional Surgeries For The Patients With Spinal Metastases. EUROPEAN SPINE JOURNAL 2009; vol. 18, p. 1423-1430.
5. Gasbarrini A, Cappuccio M, Li H, Dontineni R, Boriani L, Bandiera S, Foroni L, Pasquinelli G, Boriani S. Treatment Of Metastases To The Vertebrae With Radiofrequency Ablation: Determination Of Effectiveness By Evaluation Of Tumor Necrosis. A Preliminary Result. CURRENT RADIOPHARMACEUTICALS 2009; vol. 2.
6. Boriani S, Cappuccio M, Barbanti Brodano G, Scimeca G B, Gasbarrini A (2009). Il Ruolo Della Fissazione Percutanea Nelle Fatture Traumatiche In Eta' Adulta E Nella Patologia Oncologica. GIORNALE ITALIANO DI ORTOPEDIA E TRAUMATOLOGIA, vol. 35, p. S201-S205.
7. A.Gasbarrini, M.Cappuccio, R.Donthineni, S.Bandiera, S.Boriani. Management of benign tumors of the mobile spine. ORTHOPEDIC CLINIC OF NORTH AMERICA 2009; 40 (1): 10- 19.
8. S. Bandiera, S. Boriani, R. Dontineni, L. Amendola, M. Cappuccio, A. Gasbarrini. Complications of en bloc resection in the spine. ORTHOPEDIC CLINIC OF NORTH AMERICA 2009; 40 (1): 125-131.
9. Cappuccio, M., Montalti, M., Bosco, G., Gasbarrini, A., Boriani, S. Unusual radiographic appearance of adamantinoma. *Orthopedics* 2009; 32 (12), p. 926.
10. L. Amendola, S. Bandiera, A. Gasbarrini, S. Terzi, S. Colangeli, R. Ghermandi, S. Boriani. En-bloc resection in primary spinal tumors. JOURNAL OF ORTHOPAEDICS AND TRAUMATOLOGY 2010; vol. 11, p. 29.
11. G. Barbanti Brodano, F. Lolli, K. Martikos, A. Gasbarrini, S. Bandiera, T. Greggi, P. Parisini, S. Boriani. Fueling the debate: are outcomes better after PLIF or after PLF in adult patients with low grade adult isthmic spondylolisthesis? EVIDENCE-BASED SPINE-CARE JOURNAL 2010; vol. 1, p. 29-34.
12. Nanni C, Errani C, Boriani L, Fantini L, Ambrosini V, Boschi S, Rubello D, Pettinato C, Mercuri M, Gasbarrini A, Fanti S. Ga-Citrate Pet/Tc For Evaluating Patients With Infections Of The Bone: Preliminary Results. THE JOURNAL OF NUCLEAR MEDICINE 2010; vol. 51, p. 1932-1936.
13. Gasbarrini A, Li H, Cappuccio M, Mirabile L, Paderni S, Terzi S, Boriani S. Efficacy Evaluation Of A New Treatment Algorithm For Spinal Metastases. SPINE 2010; vol. 35, p. 1466-1470.
14. Cappuccio M, Gasbarrini A, De Iure F, Bandiera S, Boriani S. L'osteosintesi percutanea nel trattamento dei tumori vertebrali. Percutaneous osteosynthesis in the treatment of vertebral tumors. GIORNALE ITALIANO DI ORTOPEDIA E TRAUMATOLOGIA 2010; vol. 36, p. 96-100.
15. Cappuccio M, Bandiera S, Babbi L, Boriani L, Corgi A, Amendola L, Colangeli S, Terzi S, Gasbarrini A. Management Of Bone Metastases. EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES 2010; vol. 14, p. 407-414.

16. Boriani S, Cappuccio M, Bandiera S, Barbanti Brodano G, Terzi S, Colangeli S, Amendola L, Gasbarrini A. Scelta Del Trattamento Nelle Metastasi Del Rachide Toraco-Lombare. *GIORNALE ITALIANO DI ORTOPEDIA E TRAUMATOLOGIA* 2010; vol. 36, p. S17-S19.
17. Boriani S, Bandiera S, Donthinemi R, Amendola L, Cappuccio M, De Iure F, Gasbarrini A. Morbidity Of En Bloc Resections In The Spine. *EUROPEAN SPINE JOURNAL* 2010; vol. 19, p. 231-241.
18. Ofluoglu, O., Boriani, S., Gasbarrini, A., De Iure, F., Donthineni, R. Diagnosis and planning in the management of musculoskeletal tumors: Surgical perspective. *Seminars in Interventional Radiology* 2010; 27 (2), pp. 185-190.
19. A. Gasbarrini, R. Ghermandi, S. Bandiera, G. Barbanti Brodano, S. Terzi, L. Boriani, A. Corghi, S. Colangeli, C. Simoes, L. Babbi, F. Santoro, S. Boriani. A new device for the protection of the dura during en bloc resection. *JOURNAL OF ORTHOPAEDICS AND TRAUMATOLOGY* (2011) 12 (Suppl 1): S89-S123.
20. G. Barbanti-Brodano, K. Martikos, F. Lolli, A. Gasbarrini, S. Bandiera, S. Colangeli, L. Boriani, A. Corghi, T. Greggi, S. Boriani. Posterior transforaminal instrumented interbody fusion (TLIF): comparing open and minimally invasive surgery. *JOURNAL OF ORTHOPAEDICS AND TRAUMATOLOGY* (2011) 12 (Suppl 1): S23-S88.
21. S. Colangeli A. Gasbarrini, G. Barbanti-Brodano, S. Bandiera, S. Terzi, L. Boriani, A. Corghi, R. Ghermandi, L. Babbi, S. Boriani. Hybrid instrumental vertebral stabilization; evaluation of 40 cases treated from 2000 to 2011. *JOURNAL OF ORTHOPAEDICS AND TRAUMATOLOGY* (2011) 12 (Suppl 1): S23-S88.
22. L. Boriani, A. Gasbarrini, E. Zamparini, C.Nanni, G. Rorato, C. Salvatori, V. Allegri, S. Bandiera, G. Barbanti-Brodano, S. Terzi, S. Colangeli, A. Corghi, R. Ghermandi, L. Babbi, R. Ciminari, M.C Malaguti, E. Rimondi, U. Abissini, S. fanti, P. Viale, S. Boriani. Spinal infection multidisciplinary management project (SIMP): a new approach to spine infections. *JOURNAL OF ORTHOPAEDICS AND TRAUMATOLOGY* (2011) 12 (Suppl 1): S23-S88.
23. L. Babbi, A. Gasbarrini, S. Bandiera, G. Barbanti Brodano, S. Terzi, S. Colangeli, L. Boriani, R. Ghermandi, M.Cappuccio, S. Boriani. Surgical treatment of metastatic renal carcinoma of the cervical spine. *JOURNAL OF ORTHOPAEDICS AND TRAUMATOLOGY* (2011) 12 (Suppl 1): S23-S88.
24. A. Corghi, S. Terzi, S. Bandiera, G. Barbanti Brodano, L. Boriani, S. Colangeli, A. Gasbarrini, L. Babbi, R. Ghermandi, S. Boriani. Musculoskeletal tumors and metabolic diseases 3. Mini Invasive stabilization in patients with plasmocitoma of the spine. *JOURNAL OF ORTHOPAEDICS AND TRAUMATOLOGY* (2011) 12 (Suppl 1): S1-S22.
25. S. Colangeli, A. Gasbarrini, S. Bandiera, G. Barbanti Brodano, S. Terzi, L. Boriani, A. Corghi, R. Ghermandi, L. Babbi, M. Cappuccio, S. Boriani. The treatment of spinal metastases from renal carcinoma: review of 108 cases treated from 1996 to 2011. *JOURNAL OF ORTHOPAEDICS AND TRAUMATOLOGY* (2011) 12 (Suppl 1): S1-S22.
26. R. Ghermandi, S. Bandiera, A. Gasbarrini, G. Barbanti Brodano, S. Terzi, L. Boriani, A. Corghi, S. Colangeli, L. Babbi, F. Santoro, S. Boriani. The role of the selective arterial embolization for the treatment of aneurismal bone cyst of the spine: a prospective study. *JOURNAL OF ORTHOPAEDICS AND TRAUMATOLOGY* (2011) 12 (Suppl 1): S1-S22.
27. R. Ghermandi, S. Bandiera, A. Gasbarrini, G. Barbanti Brodano, S. Terzi, L. Boriani, A. Corghi, S. Colangeli, C. Simoes, L. Babbi, F. Santoro, S. Boriani. Musculoskeletal tumors and metabolic diseases 2. Spine osteoblastoma: staging, treatment and outcome. *JOURNAL OF ORTHOPAEDICS AND TRAUMATOLOGY* (2011) 12 (Suppl 1): S1-S22.
28. A. Gasbarrini, S. Bandiera, L. Boriani, L. Amendola, R. Ghermandi, M. Nanni, C. Faldini, S. Giannini. En bloc resection of tumors of the spine. Scientific Exhibit at 78th AAOS Annual Meeting. San Diego (CA), 15- 19 Febbraio 2011.

29. G. Barbanti Brodano, S. Colangeli, L. Babbi, A. Gasbarrini, S. Bandiera, S. Terzi, C. Griffoni, M. Di Fiore, L. Boriani, A. Corghi, S. Boriani. Osteoporotic vertebral fractures: a disabling and expensive disease of our century. A minimal invasive surgical technique to reduce the pain, the hospitalization and restore the function. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES* 2011;15: 1473-1477.
30. Cappuccio M, Gasbarrini A, Donthineni R, Beisse R, Boriani S. Thoracoscopic assisted en bloc resection of a spine tumor. *EUROPEAN SPINE JOURNAL* 2011 Jul; 20 Suppl 2:S202-5.
31. Gasbarrini A, Cappuccio M, Bandiera S, Amendola L, van Urk P, Boriani S. Osteoid osteoma of the mobile spine: surgical outcomes in 81 patients. *SPINE (Phila Pa 1976)*. 2011 Nov 15;36(24):2089-93.
32. Amendola L, Gasbarrini A, Fosco M, Simoes CE, Terzi S, De Iure F, Boriani S. Fenestrated pedicle screws for cement-augmented purchase in patients with bone softening: a review of 21 cases. *JOURNAL OF ORTHOPAEDICS AND TRAUMATOLOGY* 2011 Dec; 12(4):193-9. Epub 2011 Nov 8.
33. JH. Schwab, A. Gasbarrini, M. Cappuccio, L. Boriani, F. De Iure, S. Colangeli, S. Boriani. Minimally Invasive Posterior Stabilization Improved Ambulation and Pain Score in Patients with Plasmacytomas and/or Metastases of the Spine. *INTERNATIONAL JOURNAL OF SURGICAL ONCOLOGY*. Vol. 2011 (2011), Article ID 239230, 5 pages doi: 10.1155/2011/239230.
34. G. Barbanti Brodano, L. Amendola, K. Martikos, C. Bettuzzi, L. Boriani, A. Gasbarrini, S. Bandiera, S. Terzi, T. Greggi, S. Boriani. Vertebroplasty: benefits are more than risks in selected and evidence-based informed patients. A retrospective study of 59 cases. *EUROPEAN SPINE JOURNAL* 2011; 20:1265-1271.
35. A. Gasbarrini, L. Boriani, C. Nanni, G. Rorato, E. Zamparini, R. Ghermandi, C. Salvatori, V. Allegri, S. Bandiera, G. Barbanti Brodano, S. Colangeli, A. Corghi, S. Terzi, R. Ciminari, M.C. Malaguti, E. Rimondi, M. di Fiore, R. Bacchin, A. Morigi, U. Albisinni, S. Bonarelli, S. Fanti, P.L. Viale, S. Boriani. Spinal Infection Multidisciplinary Management Project (SIMP): from diagnosis to treatment guidelines. *INTERNATIONAL JOURNAL OF IMMUNOPATHOLOGY AND PHARMACOLOGY* 2011; Vol. 24, no.1 (S2), 95-100.
36. S. Boriani, L. Amendola, A. Corghi, M. Cappuccio, S. Bandiera, S. Ferrari, P. Picci, M. Di Fiore, A. Gasbarrini Ewing's sarcoma of the mobile spine. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES* 2011;15:831-839.
37. Gasbarrini A, Beisse R, Fisher C, Rhines L. Spine metastasis. *INTERNATIONAL JOURNAL OF SURGICAL ONCOLOGY* 2011;2011:375097.
38. Gasbarrini et al. Algorithm for decision-making process of spine metastatic diseases. Exhibit American Academy of Orthopaedic Surgeons 2012.
39. E. Di Ciacco, M. Polastri, E. Bianchini, A. Gasbarrini. Herniated lumbar disc treated with Global Postural Reeducation. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES* 2012; 16: 1072-1077.
40. L. Babbi, R. Ghermandi, G. Barbanti Brodano, A. Gasbarrini. Tumore glomico della mano: report di una lunga storia clinica. *GIORNALE ITALIANO ORTOPEDIA E TRAUMATOLOGIA* 2012; 38: 273-275.
41. G. Barbanti Brodano, S. Bandiera, A. Gasbarrini, R. Ghermandi, L. Babbi, C. Griffoni, L. Boriani, S. Colangeli, S. Terzi, S. Boriani. Vertebroplasty and kyphoplasty: comparison between two techniques for the treatment of osteoporotic vertebral fractures. *EUROPEAN SPINE JOURNAL* 2012; 21: 812.
42. A. Gasbarrini, S. Terzi, S. Colangeli, L. Babbi, S. Bandiera, G. Barbanti Brodano, L. Boriani, R. Ghermandi, C. Griffoni, L. Amendola, JG Rodriguez, S. Boriani. Fenestrated pedicle screws in patients with poor quality of vertebral bone: a review of 83 cases. *EUROPEAN SPINE JOURNAL* 2012; 21: 799.

43. S. Colangeli, G. Barbanti Brodàno, A. Gasbarrini, S. Bandiera, S. Terzi, L. Babbi, R. Ghermandi, L. Boriani, A. Corghi, S. Boriani. The rods in PEEK: short-term results in lumbar degenerative diseases. *EUROPEAN SPINE JOURNAL* 2012; 21: 799.
44. S. Bandiera, JG Rodriguez, L. Babbi, A. Gasbarrini, G. Barbanti Brodano, S. Terzi, L. Boriani, S. Colangeli, R. Ghermandi, S. Boriani. Navigation assisted surgery for tumors of the spine. *EUROPEAN SPINE JOURNAL* 2012; 21: 778.
45. G. Barbanti Brodano, A. Gasbarrini, S. Bandiera, L. Boriani, R. Ghermandi, S. Colangeli, L. Babbi, S. Terzi, C. Griffoni, S. Boriani. Comparison between posterior interbody fusion (PLIF) and transforaminal interbody fusion (TLIF) in the treatment of degenerative and isthmic spondylolisthesis. *EUROPEAN SPINE JOURNAL* 2012; 21: 784.
46. G. Barbanti Brodano, S. Terzi, C. Griffoni, A. Gasbarrini, S. Bandiera, S. Colangeli, L. Boriani, R. Ghermandi, L. Babbi, S. Boriani. Benefits are more than risks in the surgical treatment of adult degenerative scoliosis? *EUROPEAN SPINE JOURNAL* 2012, 21: 769.
47. Nanni C, Boriani L, Salvadori C, Zamparini E, Rorato G, Ambrosini V, Gasbarrini A, Tumietto F, Cristini F, Scudeller L, Boriani S, Viale P, Fanti S. FDG PET/CT is useful for the interim evaluation of response to therapy in patients affected by haematogenous spondylodiscitis. *EUR J NUCL MED MOL IMAGING*. 2012 Oct;39(10):1538-44.
48. Barbanti Brodano G, Amendola L, Martikos K, Bettuzzi C, Boriani L, Gasbarrini A, Bandiera S, Terzi S, Babbi L, Griffoni C, Boriani S. Il trattamento percutaneo dei crolli osteoporotici del corpo vertebrale. *LO SCALPELLO* 2012; 26: 154- 159.
49. Bandiera S, Gasbarrini A, Barbanti Brodano G, Terzi S, Colangeli S, Ghermandi R, Babbi L, Amendola L, Griffoni C, Boriani S. Le neoplasie del tratto lombare: trattamento chirurgico. *LO SCALPELLO* 2012; 26: 149- 153.
50. Boriani S, Amendola L, Bandiera S, Simoes CE, Alberghini M, Di Fiore M, Gasbarrini A. Staging and treatment of osteoblastoma in the mobile spine: a review of 51 cases. *EUROPEAN SPINE JOURNAL* 2012; 21: 2003-2010.
51. Terzi S, Mobarec S, Bandiera S, Gasbarrini A, Barbanti-Brodano G, Alberghini M, Boriani S. Diagnosis and treatment of benign notochordal cell tumors of the spine: report of 3 cases and literature review. *SPINE (Phila Pa 1976)*. 2012 Oct 1;37(21):E1356-60.
52. Gasbarrini A, Boriani L, Salvadori C, Mobarec S, Kreshak J, Nanni C, Zamparini E, Alberghini M, Viale P, Albisinni U. Biopsy for suspected spondylodiscitis. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES* 2012 Apr;16 Suppl 2:26-34.
53. Schwab J, Gasbarrini A, Bandiera S, Boriani L, Amendola L, Picci P, Ferrari S, Boriani S. Osteosarcoma of the mobile spine. *SPINE (Phila Pa 1976)*. 2012 Mar 15;37(6):E381-6.
54. Rigotti S, Boriani L, Luzi CA, Marocco S, Angheben A, Gasbarrini A, Zorzi C. Minimally invasive posterior stabilization for treating spinal tuberculosis. *JOURNAL OF ORTHOPAEDICS AND TRAUMATOLOGY* 2012 Feb 23. [Epub ahead of print].
55. Boriani S, Bandiera S, Casadei R, Boriani L, Donthineni R, Gasbarrini A, Pignotti E, Biagini R, Schwab JH. Giant cell tumor of the mobile spine: a review of 49 cases. *SPINE (Phila Pa 1976)*. 2012 Jan 1;37(1):E37-45.
56. Gasbarrini A, Simoes CE, Amendola L, Bandiera S, Bròdano GB, Cappuccio M, Boriani S. Influence of a thread wire saw guide and spinal cord protector device in "en bloc" vertebrectomies. *JOURNAL OF SPINAL DISORDERS AND TECHNIQUES* 2012 Apr;25(2):E7-12.
57. M. Manfrini, M. Fiorini, G. Barbanti-Brodano, D. Pressato, M. Tognon. "New generation of orthopaedic mimetic bioceramics assayed with human mesenchymal stem cells". *European Musculoskeletal Review* 2011: 6 (2): 96-99.
58. Barbanti Brodano G, Mazzoni E, Tognon M, Griffoni C, Manfrini M. Human mesenchymal stem cells

- and biomaterials interaction: a promising synergy to improve spine fusion. *Eur Spine J.* 2012 May;21 Suppl 1:S3-9. PMID: 22421891.
59. Manfrini M, Di Bona C, Canella A, Lucarelli E, Pellati A, D'Agostino A, Barbanti-Brodano G, Tognon M. Mesenchymal stem cells from patients to assay bone graft substitutes. *J Cell Physiol.* 2012 Nov 5. doi: 10.1002/jcp.24276. [Epub ahead of print]. PMID: 23129455
60. Picchi J, Trombi L, Spugnese L, Barachini S, Maroni G, Brodano GB, Boriani S, Valtieri M, Petrini M, Magli MC. HOX and TALE signatures specify human stromal stem cell populations from different sources. *J Cell Physiol.* 2012 Sep 27. doi: 10.1002/jcp.24239. [Epub ahead of print]
61. G. Barbanti Brodano, J. Picchi, G. Maroni, L. Trombi, S. Barachini, C. Griffoni, M. Valtieri, M.C. Magli. Mesenchymal stem cells derived from vertebrae (vMSC) show best biological properties. *Eur Spine J* 2012; 21: 772.
62. G. Barbanti Bròdano, F. Lolli, G. Giavaresi, F. Salamanna, M. Fini, L. Martini, T. Greggi, S. Boriani. Biomaterials as valid alternative to autologous and homologous bone graft for spinal fusion: a study in vivo. *Eur Spine J* 2012; 21: 774.
63. M. Manfrini, G. Barbanti-Brodano, E. Mazzoni, J. Palatini, S. Warner, M. Previati, S. Capitani, M. Tognon, C.M. Croce, S. Volinia. MicroRNA regulatory networks are involved in osteogenic differentiation of human mesenchymal stem cells from bone marrow. *Eur J Histochem* 2013; vol. 57, suppl. 1, pag. 7.
64. Barbanti Brodano G, Terzi S, Trombi L, Griffoni C, Valtieri M, Boriani S, Magli MC. Mesenchymal stem cells derived from vertebrae (vMSCs) show best biological properties. *Eur Spine J.* 2013 Nov;22 Suppl 6:S979-84.
65. Polastri M, Gasbarrini A. Vertebroplasty in Patients with Tumour-Related Vertebral Fractures: Is Rehabilitation Needed? *ASIAN SPINE JOURNAL* 2013; vol. 7, p. 248-252.
66. Karadeniz E, Colangeli S, Ghermandi R, Gasbarrini A, Acaroglu E, Boriani S. Aneurysmal bone cyst-like areas as a sign of metastatic disease in the spinal column. *ACTA ORTHOPAEDICA ET TRAUMATOLOGICA TURCICA* 2013; vol. 47, p. 366-369.
67. Gasbarrini A, Cappuccio M, Colangeli S, Posadas MD, Ghermandi R, Amendola L. Complications in minimally invasive percutaneous fixation of thoracic and lumbar spine fractures and tumors. *EUROPEAN SPINE JOURNAL* 2013; vol. 22, p. S965-S971.
68. Freyrie A, Gasbarrini A, Simoes CE, Gallitto E, Gargiulo M. Delayed Presentation of a Thoracic Aortic Injury With a Vertebral Pedicle Screw. *ANNALS OF VASCULAR SURGERY* 2013; vol. 27, p. 499.e1-499.e3.
69. Di Caccio E, Polastri M, Gasbarrini A. Cervical disc herniation: is the regression flawed by age? A case report. *INTERNATIONAL JOURNAL OF THERAPY AND REHABILITATION* 2013; vol. 20, p. 612-616.
70. Cappuccio M, Amendola L, Paderni S, Bosco G, Scimeca G, Mirabile L, Gasbarrini A, De Iure F. Complications in minimally invasive percutaneous fixation of thoracic and lumbar spine fractures. *ORTHOPEDICS* 2013; vol. 36, p. e729-e734.
71. Campos WK, Gasbarrini A, Boriani S. Case report: curetting osteoid osteoma of the spine using combined video-assisted thoracoscopic surgery and navigation. *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH* 2013; vol. 71, p. 680-685.
72. Barbanti Bròdano G, Terzi S, Gasbarrini A, Bandiera S, Simoes C, Boriani S. Do benefits overcome the risks related to surgery for adult scoliosis? A detailed analysis of a consecutive case series. *EUROPEAN SPINE JOURNAL* 2013; vol. 22, p. S795-S802.
73. Barbagallo GMV, Piccini M, Gasbarrini A, Milone P, Albanese V. Subphrenic hematoma after thoracoscopic discectomy: Description of a very rare adverse event and review of the literature on complications. *JOURNAL OF NEUROSURGERY SPINE* 2013; vol. 19, p. 436-444.

74. Bandiera S, Ghermandi R, Gasbarrini A, Barbanti Bròdano G, Colangeli S, Boriani S. Navigation-assisted surgery for tumors of the spine. *EUROPEAN SPINE JOURNAL* 2013; vol. 22, p. S919-S924.
75. Amendola L, Cappuccio M, Boriani L, Gasbarrini A. Endoscopic excision of C2 Osteoid Osteoma: A technical case report. *EUROPEAN SPINE JOURNAL* 2013; vol. 22, p. S357-S362.
76. Tomba P, Vigàò A, Ruggieri P, Gasbarrini A. Gaspare Tagliacozzi, pioneer of plastic surgery and the spread of his technique throughout Europe in "De Curorum Chirurgia per Insitionem". *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES* 2014; vol. 18, p. 445-450.
77. Roseti L, Serra M, Canella F, Munno C, Tosi A, Zuntini M, Pandolfi M, Sangiorgi L, Biso P, Pittalis MC, Bini C, Pelotti S, Gasbarrini A, Boriani L, Bassi A, Grigolo B. In vitro gene and chromosome characterization of expanded bone marrow mesenchymal stem cells for musculo-skeletal applications. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES* 2103; vol. 18, p. 3702-3711.
78. Ghermandi R, Mesfin A, Terzi S, Colangeli S, Zamparini E, Gasbarrini A. Spondylodiscitis in familial dysautonomia: a case report. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES* 2013; vol. 18, p. 60-65.
79. Bròdano GB, Giavaresi G, Lolli F, Salamanna F, Parrilli A, Martini L, Griffoni C, Greggi T, Arcangeli E, Pressato D, Boriani S, Fini M. Hydroxyapatite-Based Biomaterials vs. Autologous Bone Graft in Spinal Fusion: An in Vivo Animal Study. *Spine (Phila Pa 1976)*. 2014 Apr 8. [Epub ahead of print] PubMed PMID: 24718060.
80. Gasbarrini A, Boriani S, Capanna R, Casadei R, Di Martino A, Silvia Spinelli, M, Papapietro N, Piccioli A, Italian Orthopaedic Society Bone Metastasis Study Group. Management of patients with metastasis to the vertebrae: recommendations from the Italian Orthopaedic Society (SIOT) Bone Metastasis Study Group. *EXPERT REVIEW OF ANTICANCER THERAPY* 2014; vol. 14, p. 143-150.
81. Cappuccio M, De Iure F, Amendola L, Corghi A, Gasbarrini A. Cervical Osteoid Osteoma Progression to Osteoblastoma. *THE SPINE JOURNAL* 2104; vol. 14, p. 1070-1071.
82. Capanna R, Piccioli A, Di Martino A, Daolio PA, Ippolito V, Maccauro G, Piana R, Ruggieri P, Gasbarrini A, Spinelli MS, Campanacci DA, Italian Orthopaedic Society Bone Metastasis Study Group. Management of long bone metastases: recommendations from the Italian Orthopaedic Society bone metastasis study group. *EXPERT REVIEW OF ANTICANCER THERAPY* 2104; vol. 14, p. 1127-1134.
83. Calabró T, Cevolani L, Chehrassan M, Gasbarrini A. A new technique of reduction for isolated proximal tibiofibular joint dislocation: a case report. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES* 2014; vol. 18, p. 93-95.
84. Boriani S, Bandiera S, Colangeli S, Ghermandi R, Gasbarrini A. En bloc resection of primary tumors of the thoracic spine: indications, planning, morbidity. *NEUROLOGICAL RESEARCH* 2104; vol. 36, p. 566-576.
85. Barbanti Bròdano G, Serchi E, Babbi L, Terzi S, Corghi A, Gasbarrini A, Bandiera S, Griffoni C, Colangeli S, Ghermandi R, Boriani S. Is lumbar drainage of postoperative cerebrospinal fluid fistula after spine surgery effective?. *JOURNAL OF NEUROSURGICAL SCIENCES* 2014; vol. 58, p. 23-27.
86. Amendola L, Cappuccio M, De Iure F, Bandiera S, Gasbarrini A, Boriani S. En bloc resections for primary spinal tumors in a 20 years of experience: effectiveness and safety. *THE SPINE JOURNAL* 2104; vol. 14, p. 2608-2617.
87. Terzi S, Calabró T, Brodano GB, Gasbarrini A, Boriani S. Systemic Amyloidosis with Predominant Spine Involvement: A Case Report. *ORTHOP AND MUSCULAR SYST* 2015; 5: 202. doi:10.4172/2161-0533.1000202.

88. Tschen M, Salamanna F, Ronchetti M, Cavani F, Gasbarrini A, Boriani S, Fini M. Feasibility of Electroporation in Bone and in the Surrounding Clinically Relevant Structures: A Preclinical Investigation. *TECHNOLOGY IN CANCER RESEARCH & TREATMENT* 2015; ISSN: 1533-0346, doi: 10.1177/1533034615604454.
89. Manfrini M, Mazzoni E, Barbanti-Brodano G, Nocini P, D'agostino A, Trombelli L, Tognon M. Osteoconductivity of Complex Biomaterials Assayed by Fluorescent-Engineered Osteoblast-like Cells. *Cell Biochem Biophys*. 2015 Apr;71(3):1509-15.
90. Paulo Pereira, David Buzek, Jörg Franke, Wolfgang Senker, Arkadiusz Kosmala, Ulrich Hubbe, Neil Manson, Wout Rosenberg, Roberto Assietti, Frederic Martens, Giovanni Barbanti Brodano, Kai-Michael Scheufler. Surgical Data and Early Postoperative Outcomes after Minimally Invasive Lumbar Interbody Fusion: Results of a Prospective, Multicenter, Observational Data-Monitored Study. *PLOS ONE* 2015; Mar 26; 10(3):e0122312.
91. Piccioli A, Spinelli MS., Forsberg JA, Wedin R, Healey JH, Ippolito V, Daolio PA, Ruggieri P, Maccauro G, Gasbarrini A, Biagini R, Piana R, Fazioli F, Luzzati A, Di Martino A, Nicolosi F, Camnasio F, Rosa MA, Campanacci DA, Denaro V, Capanna R. How do we estimate survival? External validation of a tool for survival estimation in patients with metastatic bone disease—decision analysis and comparison of three international patient populations. *BMC CANCER* 2015, vol. 15, ISSN: 1471-2407, doi: 10.1186/s12885-015-1396-5.
92. Nanni C, Gasbarrini A, Cappelli A, Sandler I, Graziani T, Guidalotti P, Golfieri R, Boriani S, Fanti S. FDG PET/CT for bone and soft-tissue biopsy. *EUROPEAN JOURNAL OF NUCLEAR MEDICINE AND MOLECULAR IMAGING* 2015; vol. 42, p. 1333-1334.
93. Gasbarrini A, Campos WK, Campanacci L, Boriani S. Electrochemotherapy to metastatic spinal melanoma: A novel treatment of spinal metastasis? *SPINE*, vol. 40, p. E1340-E1346.
94. Colangeli S, Barbanti Brodano G, Gasbarrini A, Bandiera S, Mesfin A, Griffoni C, Boriani S. Polyetheretherketone (PEEK) rods: short-term results in lumbar spine degenerative disease. *JOURNAL OF NEUROSURGICAL SCIENCES* 2105; vol. 59, p. 91-96.
95. Barbanti Brodano G, Martikos K, Lolli F, Gasbarrini A, Cioni A, Bandiera S, Di Silvestre M, Boriani S, Greggi T. Transforaminal Lumbar Interbody Fusion in Degenerative Disc Disease and Spondylolisthesis Grade I: Minimally Invasive Versus Open Surgery. *JOURNAL OF SPINAL DISORDERS & TECHNIQUES* 2015; vol. 28, p. E559-E564.
96. Barbanti Brodano G, Griffoni C, Zanotti B, Gasbarrini A, Bandiera S, Ghermandi R, Boriani S. A post-market surveillance analysis of the safety of hydroxyapatite-derived products as bone graft extenders or substitutes for spine fusion. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES* 2015; vol. 19, p. 3548-3555.
97. Barbanti Brodano G, Babbi L, Girolami M, Gasbarrini A, Bandiera S, Terzi S, Ghermandi R, Griffoni C, Boriani S. Adult scoliosis: A Retrospective Analysis of the Correlation between Radiological Parameters and Clinical Outcomes. *JOURNAL OF SPINE* 2015; vol. 4, ISSN: 2165-7939, doi: 10.4172/2165-7939.1000269.
98. Franke J, Manson N, Buzek D, Kosmala A, Hubbe U, Rosenberg W, Pereira P, Assietti R, Martens F, Lam K, Barbanti Brodano G, Durny P, Lidar Z, Scheufler K, Senker W. MASTERS-D Study: A Prospective, Multicenter, Pragmatic, Observational, Data-Monitored Trial of Minimally Invasive Fusion to Treat Degenerative Lumbar Disorders, One-Year Follow-Up. *Cureus*. 2016 Jun 13;8(6):e640.
99. Babbi L, Barbanti-Brodano G, Gasbarrini A, Boriani S. Iliac crest bone graft: a 23-years history of infection at donor site in vertebral arthrodesis and a review of current bone substitutes. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES* 2016 Nov;20(22):4670-4676.
100. Ghermandi R, Terzi S, Gasbarrini A, Boriani S. Denosumab: non-surgical treatment option for selective arterial embolization resistant aneurysmal bone cyst of the spine and sacrum. Case report.

101. Sturesson B, Kools D, Pflugmacher R, Gasbarrini A, Prestamburgo D, Dengler J. Six-month outcomes from a randomized controlled trial of minimally invasive SI joint fusion with triangular titanium implants vs conservative management. *EUROPEAN SPINE JOURNAL* 2017 Mar;26(3):708-719.
102. Kato S, Gasbarrini A, Ghermandi R, Gambarotti M, Bandiera S. Spinal chordomas dedifferentiated to osteosarcoma: a report of two cases and a literature review. *EUROPEAN SPINE JOURNAL* 2016; vol. 25, p. 251-256.
103. Dengler J, Sturesson B, Kools D, Prestamburgo D, Cher D, van Eeckhoven E, Erk E, Pflugmacher R, Vajkoczy P, Kools D, Lesage G, Martens F, Keymeulen H, Lecomte Y, Dengler J, Bayerl S, Pflugmacher R, Webler M, Bornemann R, Mues A, Gasbarrini A, Griffoni C, Colangeli S, Ghermandi R, Prestamburgo D, Valli F, Gaetani P, Silvani V, Minelli M, Vottorio S, Adinolfi D, Verlotta M, Cattalani A, Sturesson B, Dahlberg I. Referred leg pain originating from the sacroiliac joint: 6-month outcomes from the prospective randomized controlled iMIA trial. *ACTA NEUROCHIRURGICA* 2016 Nov;158(11):2219-2224.
104. Demirkale I, De Iure F, Terzi S, Gasbarrini A. Aggressive hemangioma of the spine in a pregnant female: a case report and literature review. *EKLEM HASTALIKLARI VE CERRAHISI* 2016; vol. 27, p. 46-50.
105. Boriani S, Gasbarrini A, Bandiera S, Ghermandi R, Lador R. Predictors for surgical complications of en bloc resections in the spine: review of 220 cases treated by the same team. *EUROPEAN SPINE JOURNAL* 2016 Dec;25(12):3932-3941.
106. Funayama T, Gasbarrini A, Ghermandi R, Girolami M, Boriani S. Solitary bone cyst of a lumbar vertebra treated with percutaneous steroid injection: a case report and review of literature. *EUROPEAN SPINE JOURNAL* 2017 May;26(Suppl 1):58-62.
107. Boriani S, Tedesco G, Ming L, Ghermandi R, Amichetti M, Fossati P, Krengli M, Mavilla L, Gasbarrini A. Carbon-fiber-reinforced PEEK fixation system in the treatment of spine tumors: a preliminary report. *EUROPEAN SPINE JOURNAL* 2017 Aug 16. doi: 10.1007/s00586-017-5258-5. [Epub ahead of print]
108. Terzi S, Gasbarrini A, Fuiano M, Barbanti Brodano G, Ghermandi R, Bandiera S, Boriani S. Efficacy and Safety of Selective Arterial Embolization in the Treatment of Aneurysmal Bone Cyst of the Mobile Spine: A Retrospective Observational Study. *SPINE (Phila Pa 1976)*. 2017 Aug 1;42(15):1130-1138.
109. Boriani S, Gasbarrini A, Bandiera S, Ghermandi R, Lador R. En bloc resections in the spine – the experience of 220 cases over 25 years. *WORLD NEUROSURGERY* 2017 Feb; 98: 217-229.
110. Colangeli S, Colangeli M, Gasbarrini A, Righi A, Boriani S. Lipofibromatosis of the Paravertebral Soft Tissue in a Child of Two Years Old. *CLINICS IN ONCOLOGY* 2017; vol. 2, article 1262.
111. Campanacci L, Bianchi G, Sambri A, Tedesco G, Fini M, Tschan M, Gasbarrini A. Elettrochemotherapy in the treatment of bone metastasis. *GIORNALE ITALIANO DI ORTOPEDIA E TRAUMATOLOGIA* 2017; 43: 24- 28.
112. Bengt Sturesson, Djaya Kools, Robert Pflugmacher, Alessandro Gasbarrini, Domenico Prestamburgo, Julius Dengler. Six-month outcomes from a randomized controlled trial of minimally invasive SI joint fusion with triangular titanium implants vs conservative management. *EUROPEAN SPINE JOURNAL* 2017; 26: 708- 719.
113. Alessandro Gasbarrini, Riccardo Ghermandi, Yunus Emre Akman, Marco Girolami, Stefano Boriani. Elastoplasty as a promising novel technique: Vertebral augmentation with an elastic silicone-based polymer. *ACTA ORTHOP TRAUMATOL TURC* 2017 May;51(3):209-214.

114. Ran Lador, Alessandro Gasbarrini, Marco Gambarotti, Stefano Bandiera, Riccardo Ghermandi, Stefano Boriani. Surgeon's perception of margins in spinal en bloc resection surgeries: how reliable is it? *EUROPEAN SPINE JOURNAL* 2017 Feb 6. doi: 10.1007/s00586-017-4967-0. [Epub ahead of print]
115. Giovanni Barbanti-Brodano, Marco Girolami, Riccardo Ghermandi, Silvia Terzi, Alessandro Gasbarrini, Stefano Bandiera, Stefano Boriani. Aneurysmal bone cyst of the spine treated by concentrated bone marrow: clinical cases and review of the literature. *EUR SPINE J.* 2017 Feb 6. doi: 10.1007/s00586-017-4978-x. [Epub ahead of print]
116. Sambri, A., Gasbarrini, A., Cialdella, S., De Iaco, P., Boriani, S. Pedicled omental flaps in the treatment of complex spinal wounds after en bloc resection of spine tumors (2017) *Journal of Plastic, Reconstructive and Aesthetic Surgery*, 70 (9), pp. 1267-1271.
117. Albisinni, U., Facchini, G., Spinnato, P., Gasbarrini, A., Bazzocchi, A. Spinal osteoid osteoma: efficacy and safety of radiofrequency ablation. *Skeletal Radiology* 2017; 46 (8), pp. 1087-1094.
118. Lador, R., Bandiera, S., Gasbarrini, A., Ghermandi, R., Boriani, S. Treatment of Spinal Tumors in a High Volume Center has Direct Impact on Local Recurrence, Morbidity, and Mortality. *Clinical Spine Surgery* 2017; Article in Press. DOI: 10.1097/BSD.0000000000000482.
119. F. Salamanna, M. Sartori, G. Barbanti Brodano, C. Griffoni, L. Martini, S. Boriani, and M. Fini. Mesenchymal Stem Cells for the Treatment of Spinal Arthrodesis: From Preclinical Research to Clinical Scenario. *Stem Cells International*, Volume 2017 (2017), Article ID 3537094, 27 pages. <https://doi.org/10.1155/2017/3537094>.
120. Francesca Salamanna, Deyanira Contartese, Nicolò Nicoli Aldini, Giovanni Barbanti Brodano, Cristiana Griffoni, Alessandro Gasbarrini, Milena Fini. Bone marrow aspirate clot: A technical complication or a smart approach for musculoskeletal tissue regeneration? *J Cell Physiol* 2017; 1-10.
121. Barbanti Bròdano G, Griffoni C, Nataloni A, Manfrini M, Giavaresi G, Bandiera S, Gasbarrini A, Terzi S, Ghermandi R, Tedesco G, Girolami M, Tognon M, Fini M. Biomaterials as bone graft substitutes for spine surgery: from preclinical results to clinical study. *J Biol Regul Homeost Agents*. 2017 Oct-Dec;31(4 suppl 1):167-181.