

## EUROPEAN CURRICULUM VITAE



### PERSONAL INFORMATION

Name **Calori Giorgio Maria**  
Address **Viale Piave, 13 - Milan**  
Phone number **02-798809**  
Fax **02-781233**  
E-mail **gmc@studiodcalori.it**

Nationality **Italian**  
Date and place of birth: **[ 06-09-1956 ; MILAN ]**

### WORK EXPERIENCE

- Dates (from – to) **Since 2009**
- Name and address of employer **GAETANO PINI ORTHOPAEDIC INSTITUTE HOSPITAL- piazza Cardinal Ferrari 1, Milan**
- Type of company or sector **Operating Unit of Reparative Orthopaedic Surgery and Risk Management**
- Type of employment **Indefinite term contract**
- Main duties and responsibilities **Second level Medical Director (department consultant)**
  
- Dates (from – to) **From 2005 to 2009**
- Name and address of employer **GAETANO PINI ORTHOPAEDIC INSTITUTE HOSPITAL- piazza Cardinal Ferrari 1, Milan**
- Type of company or sector **Operating Unit Risk Management**
- Type of employment **Indefinite term contract**
- Main duties and responsibilities **First level Medical Director (Manager)**
  
- Dates (from – to) **Since 1987**
- Name and address of employer **GAETANO PINI ORTHOPAEDIC INSTITUTE - piazza Cardinal Ferrari 1, Milan**
- Type of company or sector **Operating Unit of Orthopaedics and Traumatology**
- Type of employment **Indefinite term contract**
- Main duties and responsibilities **First level Medical Director (Assistant - Jointly Responsible Head Deputy)**

## EDUCATION AND TRAINING

<ul style="list-style-type: none"><li>• Dates (from – to)</li><li>• Name and type of academic education or training institute</li><li>• Main subjects / professional skills covered by course</li><li>• Qualification obtained</li></ul> <ul style="list-style-type: none"><li>• National classification level (if relevant)</li></ul>	2012 Concilia Omnia - Training Organisation and Mediation Body accredited by the Ministry of Justice  Mediation  Civil and Commercial Mediator Obtained
<ul style="list-style-type: none"><li>• Dates (from – to)</li><li>• Name and type of academic education or training institute</li><li>• Main subjects / professional skills covered by course</li><li>• Qualification obtained</li></ul> <ul style="list-style-type: none"><li>• National classification level (if relevant)</li></ul>	2004 Lombardy Region  Risk Management and Litigation Management  Risk Manager Obtained
<ul style="list-style-type: none"><li>• Dates (from – to)</li><li>• Name and type of academic education or training institute</li><li>• Main subjects / professional skills covered by course</li><li>• Qualification obtained</li></ul> <ul style="list-style-type: none"><li>• National classification level (if relevant)</li></ul>	1994 Graduate School of Hand Surgery, University of Florence  Hand surgery  Specialist in hand surgery 70/70 with honours
<ul style="list-style-type: none"><li>• Dates (from – to)</li><li>• Name and type of academic education or training institute</li><li>• Main subjects / professional skills covered by course</li><li>• Qualification obtained</li></ul> <ul style="list-style-type: none"><li>• National classification level (if relevant)</li></ul>	1990 Graduate School of Physical Therapy and Rehabilitation, University of Milan  Physical and rehabilitation medicine  Specialist in Physical and Rehabilitation Therapy 70/70 with honours
<ul style="list-style-type: none"><li>• Dates (from – to)</li><li>• Name and type of academic education or training institute</li><li>• Main subjects / professional skills covered by course</li><li>• Qualification obtained</li></ul> <ul style="list-style-type: none"><li>• National classification level (if relevant)</li></ul>	1988 Ministry of Justice  Orthopaedics and Traumatology  Court-appointed Expert Witness Civil and Criminal Court of Milan for Orthopaedics and Traumatology Approved
<ul style="list-style-type: none"><li>• Dates (from – to)</li><li>• Name and type of academic education or training institute</li><li>• Main subjects / professional skills covered by course</li><li>• Qualification obtained</li></ul> <ul style="list-style-type: none"><li>• National classification level (if relevant)</li></ul>	1987 Graduate School of Orthopaedics and Traumatology, University of Milan  Orthopaedics and Traumatology  Specialist in Orthopaedics and Traumatology 70/70 with honours

- Dates (from – to) 1983
  - Name and type of academic education or training institute Graduate School of Hand Surgery and Microsurgery, University of Louisville Kentucky USA
  - Main subjects / professional skills covered by course Hand surgery
  - Qualification obtained Specialist in hand surgery
  - National classification level (if relevant) Obtained
- 
- Dates (from – to) 1982
  - Name and type of academic education or training institute University of Milan
  - Main subjects / professional skills covered by course Medicine and Surgery
  - Qualification obtained Medical Surgeon
  - National classification level (if relevant)

**PERSONAL SKILLS AND  
COMPETENCES**

*Acquired in the course of life and  
my career but not necessarily  
acknowledged by formal  
certificates or diplomas*

MOTHER TONGUE [ Italian ]

OTHER LANGUAGES

- Reading skills [ English]  
EXCELLENT
- Writing skills EXCELLENT
- Speaking skills EXCELLENT

## RELATIONAL SKILLS AND ABILITIES

*A capacity to live and work with other people, in a multicultural environment, covering tasks where communication is important and in situations where it is essential to work as a team (e.g. culture and sport), etc.*

Professor at the University of Milan at the Graduate School of Orthopaedics and Traumatology and tutor of the course on "Biological processes in the repair of fractures and in nonunions" since 2004.

Professor at the University of Milan in the single-cycle master degree course in Medicine and Surgery of the Faculty of Medicine and Surgery and tutor of the course on "Human Anatomy - C line (central pole)" and "Human Anatomy - D line (central pole)" since 2003.

Professor at the University of Milan in the single-cycle master degree course in Medicine and Surgery of the Faculty of Medicine and Surgery and tutor of the course on "Orthopaedics and Traumatology" - A line since 2013.

Professor at the University of Milan in the Department of Human Morphology.

Vice-President of the Scientific Management Presidency Commission of the G. Pini Orthopaedic Institute in Milan.

Head Coordinator of the Corporate Regional Committees of the Gaetano Pini Orthopaedic Institute: Claims Evaluation Committee (CVS) and Risk Management Committee (CGR), established by the Lombardy Region with circular 46/SAN of 27.12.2004 and the following Council resolutions.

A member of the Lombardy Region Network for Risk Management.

In this capacity, I organised and taught several training courses in the field of Risk Management for the G. Pini Hospital and for the Lombardy Region.

A member of the Corporate Committee of the Gaetano Pini Orthopaedic Institute: Hospital Infection Control Committee (CCIO), Committee for the development of the Ethical and Behavioural Code.

I have repeatedly been an active member of the Medical-Legal Boards for the teaching of practices relating to war pension for the Judicial Section of the Lombardy Region of the Court of Auditors.

I have actively participated in the entire course of the G. Pini Orthopaedic Institute of Joint Commission International due to my skills, with finalisation of the specific corporate Risk Management objectives.

As a Risk Manager of the G.Pini Orthopaedic Institute, I have developed and contributed to the structuring, drafting and formation of numerous business processes, all covered in the Annual Plan of Risk Management as required and specified by the Lombardy Region: medical, clinical and nursing records, management of communication and information flows; informed consent to diagnostic and therapeutic treatments; privacy consent, litigation management, management of falls and accidents, near misses; sentinel events (SIMES), Operating Theatre check-lists (CL-SSOp), Septic Risk check-list (CL-RS), Drug Therapy Consolidated Document (FUTF), Ethical and Behavioural Code with identification and delimitation of risk.

I was a tutor in the field of Risk Management for the Lombardy Region, at University Centres and at numerous Scientific Societies.

President of the European Society of Tissue Regeneration in Orthopaedics and Trauma (ESTROT.)

President overseeing the super-specialist Society for osteosynthesis CIO (Italian Osteosynthesis Club) of the Italian Society of Orthopaedics and Traumatology (SIOT)

President overseeing the Lombardy Section SLOTO of Italian Hospital Orthopaedics and Traumatologists

Founder and member of the Board of Directors of the super-specialist Society for SIFE external fixation of the Italian Society of Orthopaedics and Traumatology (SIOT)

Founder and member of the Board of Directors of the super-specialist Society for the pelvis AIP (Italian Association for the Study of Trauma of the Pelvis) of the Italian Society of Orthopaedics and Traumatology (SIOT).

Former President of the Tissue Regeneration Commission of the Italian Society of Orthopaedics and Traumatology (SIOT).

Former member of the Commission of the Italian Society of Orthopaedics and Traumatology (SIOT) for the prevention of complications and litigation management.

Former member of the Medical and Legal Commission of the Italian Society of Orthopaedics and Traumatology (SIOT).

Member of the international Advisory Board on biotechnologies and regenerative medicine.

President of the National Board for regenerative medicine.

Member and Teacher of the Trauma International Hospital

Editorial Board and manager for the Italian Society of Orthopaedics and Traumatology (SIOT) of « Injury » (Elsevier)

Editorial Board and manager for the super-specialist Society for osteosynthesis CIO (Italian Osteosynthesis Club) of "Injury" (Elsevier)

Scientific Director of the official journal «Aggiornamenti CIO » (CIO Updates) (Springer).

Deputy editor of the journal «Archivio di Ortopedia e Reumatologia» (Orthopaedics and Rheumatology Archive of the G. Pini Orthopaedic Institute in Milan.

Editorial Board of GIOT (Italian Journal of Orthopaedics and Traumatology - publisher Pacini) official journal of the Italian Society of Orthopaedics and Traumatology (SIOT).

Official reviewer of national and international journals including GIOT (Italian Journal of Orthopaedics and Traumatology), journal of the CIO (Italian Osteosynthesis Club) (Aggiornamenti CIO) (CIO Updates), Injury, Journal of Orthopaedic Research, Annals of Medical and Health Science Research, International Journal of Artificial Organs, Journal of Cellular and Molecular Medicine, Expert Opinion On Biological Therapy.

Confirmed reviewer of abstracts submitted for the National congress of the Italian Society of Orthopaedics and Traumatology (SIOT).

Confirmed reviewer of abstracts submitted to the EFORT European Congress.

International Member of the Orthopaedics Trauma Association (OTA)

Italian contact person at the OTA (Orthopaedics Trauma Association) of the super-specialist Society for Osteosynthesis CIO (Italian Osteosynthesis Club) of the Italian Society of Orthopaedics and Traumatology (SIOT).

Coordinator of the Cluster of super specialist Societies SIOT of traumatology.

European Member of the Board and of the secretariat of TERMIS (Tissue Engineering and Regenerative Medicine International Society)

Membro accademico a tempo pieno della EFFORT (European Federation of National Associations of Orthopaedics and Traumatology)

I have developed two original internationally patented surgical methods regarding "computerised remote reduction applied to the external fixation in Traumatology and Orthopaedics" and "the application of biotechnologies to the necrosis of the femoral head and of the femoral condyles."

I have produced: 8 medical scientific monographs; 218 orthopaedic scientific publications in Italian and foreign journals, including many with relevant impact-factor and multiple citations; 7 scientific posters presented at conferences.

I have conducted randomised prospective clinical trials at an international level with validation in multi-centre University trials. In particular, I have promoted, having obtained approval from the Ethics Committee of the G. Pini Institute, the "independent clinical study on the efficacy and safety of the use of rhBMP-7 (OP-1) in association with mesenchymal stem cells in the treatment of nonunion of long bones."

I have performed an economy drug study on the use of growth factors in traumatology entitled "Comparative analysis of costs and cost/effectiveness ratio of the treatment of persistent post-traumatic non-unions of the tibia with autologous transplant of the Iliac Crest or Osigraft® (Eptotermin alfa, rhBMP-7, rhOP-1)".

I am a Scientific manager for the Project implemented for the development of specific DRG relating to the use of Biotechnologies in the field of Orthopaedics and Traumatology.

I am a manager at the European and Italian group for the treatment of post-traumatic injury and review of complex prosthetics with the use of large resection prostheses.

I am a manager at the Italian group for the treatment of limb fractures via osteosynthesis with carbon synthesis means.

I am a manager at the Italian group for the osteosynthesis of fractures in children (Orthopediatrics).

I am a manager at the Lombardy group for the study of the effectiveness of new infiltrative products based on hyaluronic acid for the treatment of initial gonarthrosis .

Currently in the definition phase is a study on the effectiveness of a new system for the insertion of distal screws in the implant of long femoral nails

I recently completed a comparative study on the efficacy of growth factors (rh-BMP-7) with respect to autologous bone graft from the iliac crest in the treatment of 150 nonunions and loss of substance of the long bones.

Latest national and international publications with relevant impact factor:

1. Calori GM, D'Avino M, Tagliabue L, Albisetti W, d'Imporzano M, Peretti G. An ongoing research for evaluation of treatment with BMPs or AGFs in long bone non-union: protocol description and preliminary results. *Injury* 2006 Sep; 37 Suppl 3: S43-50
2. Calori GM, Albisetti W, Agus A, Iori S, Tagliabue L. Risk factors contributing to fracture non-unions *Injury* (2007) 38(S2): S11-18
3. Calori GM, Phillips M, Jeette S, Tagliabue L, Giannoudis PV. Classification of non-union: need for a new scoring system?. *Injury* (2008) 39(S2):S59-63
4. Kanakaris NK, Calori GM, Verdonk R, et al. (2008) Application of BMP-7 to tibial non-unions: A 3-year multi-centre experience. *Injury* 39(S2):S83-S90
5. Calori GM, Tagliabue L, Gala L, d'Imporzano M, Peretti G, Albisetti W. Application of rhBMP-7 and platelet-rich plasma in the treatment of long bone non-unions: a prospective randomized clinical study on 120 patients. *Injury* (2008) 39(12):1391-1402.
6. N.C. Keramaris, G.M. Calori, V.S. Nikolaou, E.H. Schemitsch, P.V. Giannoudis. Fracture vascularity and bone healing: A systematic review of the role of VEGF - *Injury, Int. J. Care Injured* (2008) 39S2, S45-S57
7. D. Stengel, G.M. Calori, P.V. Giannoudis. Graphical data presentation. *Injury, Int. J. Care Injured* (2008) 39, 659-665
8. Calori GM, Mazza E, Tagliabue. Management of avascular osteonecroses of the femoral head with growth factors. *Updates Club Ital Osteosint.* (2008) 14; S131-135
9. Kanakaris NK, Lasanianos N, Calori GM. Application of bone morphogenetic proteins to femoral non-unions: A 4-year multi-centre experience. (2009) *Injury* 40(S3):S54-S60
10. N.K. Kanakaris, R. Mallina, G.M. Calori, G. Kontakis, P.V. Giannoudis. Use of bone morphogenetic proteins in arthrodesis: Clinical results. *Injury, Int. J. Care Injured* 40 (2009) S3, S62-S66
11. Z. Dahabreh, GM Calori, NK Kanakaris, VS Nikolaou, PV Giannoudis. A cost analysis of treatment of tibial fracture non-union by bone grafting or bone morphogenetic protein-7. *Int Orthop*, 2009 Oct; 33 (5): 1407-14
12. Calori GM, Donati D, Di Bella C, Tagliabue L. Bone morphogenetic proteins and tissue engineering: future directions. *Injury*. 2009 Dec;40 Suppl 3:S67-76
13. L. Pierannunzii, F. Fischer, L. Tagliabue, G.M. Calori, M. d'Imporzano. Acetabular both-column fractures: Essentials of operative management. *Injury, Int. J. Care Injured* 41 (2010) 1145-1149
14. GM Calori, L. Tagliabue, E. Mazza, U. de Bellis, L. Pierannunzii, B.M. Marelli, M. Colombo, W. Albisetti. Tibial pilon fractures: Which method of treatment? *Injury, Int. J. Care Injured* 41 (2010) 1183-1190
15. W. Albisetti, D. Perugia, O. De Bartolomeo, L. Tagliabue, E. Camerucci, G.M. Calori. Stress fractures of the base of the metatarsal bones in young trainee ballet dancers - *International Orthopaedics (SICOT)* (2010) 34:51-55
16. Calori GM, Tagliabue L, Colombo M, Mazza E, Albisetti W. Nonunions and loss of substance (2010) *G.I.O.T.* 36
17. G.M. Calori, E. Mazza, L. Tagliabue, M. Colombo, C. Ripamonti. Biotechnological applications in the field of bone tissue problems. *Journal of Sports Traumatology* Vol. 27, No. 3-4
18. Calori GM, Mazza E, Colombo M, Ripamonti C, Tagliabue L. Treatment of long bone non unions with polytherapy: indications and clinical results - *Injury* 2011 - Jun; 42 (6):587-90.
19. Calori GM, Colombo M, Ripamonti C, Bucci M, Fadigati P, Mazza E, Mulas S, Tagliabue L. Polytherapy in bone regeneration: clinical applications and preliminary considerations *Int. J. Immunopathol. Pharmacol.* - Vol.24, no.1 (S2), 85-89 (2011)

20. Calori GM, Giannoudis PV. Enhancement of fracture healing with the diamond concept: The role of the biological chamber. *Injury*. 2011 Nov;42(11):1191-3.
21. R. Dimitriou, GM Calori et al. Polytrauma in elderly: specific consideration and current concepts of management. *European Journal of Trauma and Emergency Surgery* 2011 Jul.
22. Calori GM, Mazza E, Colombo M, Ripamonti C. The use of bone graft substitutes in large bone defects: any specific needs? *Injury* , 2011 Jul.
23. Cox g, Tzioupis C, Calori GM, Green J, Seligson D, Giannoudis PV. Cerebral fat emboli: a trigger of post-operative delirium. *Injury*. 2011 Sep;42 Suppl 4:S6-S10
24. Simpson CM, Calori GM, Giannoudis PV. Diabets and fracture healing: the skeletal effects of diabetic drugs. *Expert opin drug saf*, 2012 Mar; 11 (2): 215-20
25. Pountos I, Georgouli T, Calori GM, Giannoudis PV. Do nonsteroidal anti-inflammatory drugs affect bone healing? A critical analysis. *ScientificWorldJournal*, 2012;2012(--): 606404
26. Dimitriou RZ, Mataliotakis GI, Calori GM, Giannoudis PV. The role of barrier membranes for guided bone regeneration and restoration of large bone defects: current experimental and clinical evidence. *BMC Medicine* 2012, 10:81
27. Calori GM, Colombo M, Ripamonti C, Mazza E, Bucci M, Fadigati P, Malagoli E. The role of growth factors in cartilage and bone injury. *Minerva Ortop Traumatol* 2012;63 (Suppl.1 al N.4) 11-628. Calori GM, Giannoudis PV. Treatment of Avascular Femoral Head Necrosis with Bone Morphogenetic Protein, a Collagen Scaffold and Filtered Autologous Mesenchymal Stem Cells. *Practical Procedures in Elective Orthopaedic Surgery*, DOI 10.10007/978-0-85729-814-0\_13. Springer-Verlag London Limited 2012
29. Calori GM, Bucci M, Fadigati P, Mazza E, Colombo M, Ripamonti C. Nonunions and loss of juxta-articular substance. *Updates Club Ital Osteosint* (2012) 18:71-76
30. Giannoudis PV, Calori GM, Beguè T, Schmidmaier G. Bone regeneration strategies: Current trends but what does the future hold? *Injury, Int. J. Care Injured* 44 (2013) S1, S1-S2
31. T. Blokhuis, GM Calori, G. Schmidmaier. Autograft versus BMP's for the treatment of non-unions: What is the evidence? *Injury, Int. J. Care Injured* 44 (2013) S1, S40-S42
32. Calori GM, Colombo M, Mazza E, Ripamonti C, Mazzola S, Marelli N, Mineo GV. Monotherapy vs. polytherapy in the treatment of forearm non unions and bone defects. *Injury, Int. J. Care Injured* 44 (2013) S1, S63-S69
33. Giannoudis PV, Ahmad MA, G.V. Mineo, T. Tosounidis, Calori GM, Kanakaris NK. Subtrochanteric Fracture Non-unions with Implant Failure managed with the "Diamond" Concept. *Injury, Int. J. Care Injured* 44 (2013) S1, S76-S81
34. Mineo GV Accetta R, Franceschini M, Pedrotti Dell'Acqua G, Calori GM, Meersseman A. Management of shoulder periprosthetic fractures: Our institutional experience and review of the literature. *Injury, Int. J. Care Injured* 44 (2013) S1, S82-S85
35. Calori GM Capanna R, Colombo M, De Biase P, O'Sullivan Carol, Cartareggia V, Conti C. Cost-effectiveness of tibial non unions treatment: a comparison between rhBMP-7 and autologous bone graft in two Italian centres. *Injury, Int. J. Care Injured* 44 (2013) 1871–1879
36. E.L. Mazza, G.M. Calori, M. Colombo, C. Ripamonti, E. Malagoli, S. Mazzola. Cellular growth factors. *GIOT*. August 2013;39(suppl.1):167-172
37. G.M. Calori, E.L. Mazza, M. Colombo, C. Ripamonti, S. Mazzola. Future.prospects *GIOT* August 2013;39(suppl.1):178-183
38. . G.M. Calori, M. Colombo, C. Ripamonti, E. Malagoli, E. Mazza, P. Fadigati, M. Bucci Complications in the implant of knee megaprosthesis *Minerva Ortop Traumatol* 2013;64(Suppl. 1)
39. E.L. Mazza, S. Mazzola, M. Colombo, G.M. Calori. Biotechnologies in the treatment of nonunions. *Minerva Ortop Traumatol* 2013;64(Suppl. 1)

40. De Bellis UG, Legnani C, Calori GM. Acute total hip replacement for acetabular fractures: A systematic review of the literature. *Injury* ,2014 Feb;45(2):356-61
41. Calori GM, Colombo M, Ripamonti C, Malagoli E, Mazza E, Fadigati P, Bucci M. Megaprosthesis in large bone defects: Opportunity or chimaera? *Injury* ,2014 Feb;45(2):388-93
- 42.. Calori GM, Mazza E, Colombo M, Mazzola S, Mineo GV, Giannoudis PV. Treatment of AVN using the induction chamber technique and a biological-based approach: Indications and clinical results. *Injury* ,2014 Feb;45(2):369-73
43. P. Navone , M. Nobile , F. Uboldi , M. Colombo & G. M. Calori. Hand and wrist surgery: study of efficacy about a new way for one-day low-complexity surgery. *CIO Updates*. Volume 19, Issue 1, December 2013 ISSN: 1970-6839 (Print) 1970-6847 (Online)
44. G. M. Calori , M. Colombo , E. Mazza , M. Bucci , P. Fadigati , E. Malagoli , S. Mazzola & R. Leo. Traumatic fracture of the tuberculum minus of the humerus in patient who underwent stabilisation of the shoulder by letarjet technique: a case report. *CIO Updates*. Volume 19, Issue 1, December 2013 ISSN: 1970-6839 (Print) 1970-6847 (Online)
45. G. M. Calori , E. Mazza , N. Marelli , M. Colombo , S. Mazzola , E. Malagoli & C. Ripamonti. The use of bone substitutes in non-unions and large bone defects: what are the limits and possible solutions? *CIO Updates*. Volume 19, Issue 2, December 2013 ISSN: 1970-6839 (Print) 1970-6847 (Online)
46. GM Calori, M. Colombo, C. Ripamonti, E. Malagoli, E. Mazza, P. & M. Bucci Fadigati. Megaprosthesis role in the treatment of severe bone loss. *CIO Updates*. Volume 19, Issue 2, December 2013 ISSN: 1970-6839 (Print) 1970-6847 (Online)
47. M. Colombo, E. Mazza, S. Mazzola, E. Malagoli, S. W. Marchina, N. Marelli, G. M. Calori, Nonunion of the femur distal treated with monotherapy: case report. *Orthopaedics and Rheumatology*. Archive December 2013, Volume 124, Issue 1-3, pp 8-9
48. S. Mazzola, M. Colombo, E. Mazza, E. Malagoli, G. M. Calori. Avascular osteonecrosis of the femoral head treated with minimally invasive technique: case report. *Orthopaedics and Rheumatology*. Archive December 2013, Volume 124, Issue 1-3, pp 32-33
49. E. Mazza, M. Colombo, S. W. Marchina, N. Marelli, S. Mazzola, E. Malagoli, G. M. Calori, A. Corradi. Humeral bone substance loss treated according to the principle of the biological chamber: case report. *Orthopaedics and Rheumatology*. Archive December 2013, Volume 124, Issue 1-3, pp 25-26
50. G. M. Calori, M. Colombo, E. L. Mazza, S. Mazzola, E. Malagoli, B. M. Marelli. Classification of nonunion and loss of bone substance: Non Union Scoring System. *Orthopaedics and Rheumatology*. Archive December, 2013, Volume 124, Issue 1-3, pp 6-7
51. G. M. Calori, M. Colombo, E. Mazza, S. Mazzola, E. Malagoli. The principle of the biological chamber in the treatment of complex nonunion and loss of bone substance: which materials and why? *Orthopaedics and Rheumatology*. Archive December 2013, Volume 124, Issue 1-3, pp 22-24
52. E. L. Mazza, G. V. Mineo, M. Colombo, S. W. Marchina, S. Mazzola, G. M. Calori. Risk factors for nonunion. *Orthopaedics and Rheumatology*. Archive December 2013, Volume 124, Issue 1-3, pp 4-5
53. S. W. Marchina, E. Mazza, M. Colombo, S. Mazzola, E. Malagoli, N. Marelli, G. M. Calori. Application of an osteochondral replacement in astragalic injury: a case report. *Orthopaedics and Rheumatology*. Archive December 2013, Volume 124, Issue 1-3, pp 33-34
54. G.M. Calori, R. Capanna, M. Colombo, P. De Biase, C. O'Sullivan, V. Cartareggia, C. Conti. Cost effectiveness of tibial nonunion treatment: A comparison between rhBMP-7 and autologous bone graft in two Italian centres. *Injury, Int. J. Care Injured* 44 (2013) 1871–1879
55. M. Nobile, S. Bronzin, P. Navone, M. Colombo, G.M. Calori, F. Auxilia - Reinforcing good practice: implementation of guidelines an hospital experience G.Pini. *VOLUME INJURY CIO*



56. M. Caforio, P. Maniscalco P. M. Colombo, G.M. Calori.  
Preliminary Experience With Carbofix - Radiolucent Distal Fibula Plate In Ankle Fractures. VOLUME INJURY CIO
57. A. Marchesi G.M. Calori, F. Leone, M. Brioschi, PC. Parodi, L. Vaianti. Posterior Tibial Artery Perforator Flaps for coverage of Achilles region defects. VOLUME INJURY CIO
58. M. Marchesi, A. Marchesi, I. Merzagora, R. Zoia, L. Vaianti, O. Morini, G.M. Calori. A Sneaky Surgical Emergency: Acute Compartment Syndrome. Retrospective Analysis of 66 closed claims, Medico-legal Pitfalls and Damages Evaluation. VOLUME INJURY CIO
59. G.M. Calori, M. Colombo, E. Malagoli, S. Mazza, M. Bucci, E. Mazza. Megaprosthesis in post-traumatic and peri-prosthetic large bone defects: issue to consider. INJURY MAXIMUM VOLUME
60. GM Calori, M Colombo, EL Mazza, Mazzola S, E Malagoli, N. Marelli, A. Corradi. Validation of the Non Union Scoring System in 300 long bones non unions. VOLUME INJURY CIO
61. G.M. Calori, M. Colombo, E.L. Mazza, S. Mazza, E. Malagoli, G.V. Mineo. Incidence of donor site morbidity following harvesting from iliac crest or ria graft. VOLUME INJURY CIO

.....:IN PRESS

#### GUEST EDITOR

1. Guest editor of the special volume for Injury (vol.41, issue.11): Advance made in Orthopaedic Trauma in Italy (2010)
2. Guest editor of the special supplement for Injury (vol.44, Supplement 1): Loss and Tissue Regeneration: an update (2013)
3. Guest editor of the supplement of the Official Journal of the Italian Club of Osteosynthesis  
"Aggiornamenti CIO"(CIO Updates) (14,suppl.1): 14th Congress CIO CIOD, 1990 - CIO 2008 Critical results.analysis Diaphyseal fractures of the long bones.

*Giorgio Maria Calori*