

# Curriculum Vitae

## Professeur Titulaire Clinique Dr. Med. Gianluca Maestretti

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**Date de naissance**      31.03.1963  
**Nationalité**              Swiss  
**E-mail**                      [gianluca.maestretti@h-fr.ch](mailto:gianluca.maestretti@h-fr.ch)  
**Langues**                    Italian, French, German, English

### Diplômes

- **Medical diploma, University of Pavia 1996**
- **Thèse de doctorat, University of Pavia 1996 Prof. R. Dionigi**  
Trattamento dell'ernia inguinale per tecnica laparoscopica TEP: tecnica e risultati dello studio prospettivo.
- **Spécialiste FMH en chirurgie orthopédique et traumatologique 2004**
- **Traitement interventionnel de la douleur (SSIPM) 2012-2017**
- **Recertification titre FMH en chirurgie orthopédique et traumatologique 2013**
- **Diplome de pédagogie médicale 2015**
- **Certificat TREE 2015**
- **Octroi de la venia legendi et du titre de Privat-docent 11-2016**
- **Octroi du titre de sous spécialité en chirurgie spinale 06-2021**
- **Octroi du titre de Professeur titulaire Clinique Université Fribourg 11-2021**
- **Accréditation en tant que centre de formation pour la sous spécialité en chirurgie spinale 12-2021**

### Formation et position actuelle

#### Assistant

1996-1997    Orthopédie, Rosenberg Klinik Heiden (Dr E. Fornaro, Prof. B.G. Weber)  
1997-1998    Médecine, Spital Surses Savognin (Dr C. Beeler)  
1998-1999    Chirurgie, Hôpital Estavayer-le-Lac (Dr C. Meyer)  
1999-2000    Orthopédie, Hôpital cantonal Fribourg (Prof. R.P. Jakob)  
2000-2002    Orthopédie, Inselspital Bern (Prof. R. Ganz)  
2002-2003    Orthopédie, Inselspital Bern - chirurgie du rachis à 20% (PD Dr P. Heini)

#### Chef de clinique

2002-2006    Orthopédie, Hôpital cantonal de Fribourg – chirurgie du rachis

## **Médecin-adjoint**

2006 Orthopédie, HFR Fribourg – hôpital cantonal  
2007 HFR – responsable de la chirurgie du rachis

## **Médecin-chef adjoint**

2012 Orthopédie, HFR Fribourg – hôpital cantonal

## **Médecin-chef**

2018 Orthopédie, HFR Fribourg – hôpital cantonal

## **Fellowship**

2007-2010 Instructor fellowship Kuwait (6 months - Dr Abdulrazzaq)

## **Fonctions**

- AO membre «Spine expert task force motion group» de 2006 à 2009
- Vice-président du comité de direction de Swissendos Fribourg 2003-2006
- Responsable et coordinateur des cours orthopédiques du centre de formation Swissendos Fribourg depuis 2003
- Président du comité de direction du centre de formation Swissendos Fribourg de 2006 -2008
- Responsable de la chirurgie spinale HFR Fribourg – hôpital cantonal depuis 2007
- Responsable médical du groupe scientifique Spineart 2008-2011
- Responsable de la chirurgie spinale HFR (réseau hospitalier fribourgeois) depuis 2010
- European Spine Journal reviewer
- Member of SOS revision international prosthesis group

## **Membre de sociétés professionnelles**

- Member SGOT
- Member SGS (Suisse Spine Society)
- AO Platinum Member
- Member SAS (Spine Arthroplasty Society)
- Member European Spine Society
- Member of GIS (Italian Spine Society)
- Sociedad Venezolana de Neurochirurgia
- Sociedad Colombiana de Cirurgia Ortopedica y Traumatologia
- Sociedad Interamericana de Cirurgia de Columna Minimamente Invasiva SICCM

## **Tuteur travail de master et thèse**

- **Medical tutor master diploma, Ecole polytechnique fédérale de Lausanne 2005**  
**Barreiro P, Maestretti G, Arzdorf M, Gnem D:** A biomechanical study of the effect of lordose angulation in a intervertebral disc prosthesis (Responsable: Prof. J. Botsis, Dr A. Mellal)
- **Directeur these, Université de Lausanne, Faculté de biologie et de médecine 2013**

**Lutz Jon Andri:** Infection tardive après stabilisation dynamique de la colonne lombaire par le système Dynesis

## Prix

- **Prize of best podium presentation, Kuwait City 2008**  
Maestretti G: Interspinousus implant: biomechanics and indications
- **Premio GIS 2013 Patrizio Parisini**  
Ciarpaglini R, Maestretti G: Artroplastica lombare: Risultati di uno studio prospettico on follow up a 10 anni
- **Second prize oral presentation, Spine Week 2016 Singapore**  
Noriega D, et al..Maestretti G: A prospective multicentric observational study on the use of intervertebral implants for traumatic vertebral compression fracture treatment. 12 months follow-up results

## Etudes internationales

- Prodisc-C: 2004-2005 Multicenters international clinical investigation
- International DIAM study: Herniectomy versus herniectomy with a spinal stabilization system for the treatment of complex disc disease. Medtronic, Randomized Study. Accepted by ethic comity n°11-2006
- International BEST study: Biomaterial effectiveness in spinal trauma: Post market clinical follow-up study of balloon kyphoplasty with KyphOs TM FS calcium phosphate bone substitute for traumatic vertebral body fractures, Kyphon, Prospective study. Accepted by ethic comity n°04-2006
- Sako study : International, multicentric , prospective, randomized study to compare two technique Spinejack versus Balloon Kyphoplastie for the treatment of osteoporotic fractures, ethic comity CED: FR-CEL:VD 198/2015

## Participation aux registres suisses

- Etude SGS sur les prothèses discales
- Etude SGS sur les cyphoplasties
- Etude SGS sur les inter-épineux
- Etude SGS sur les implants dynamiques
- Spine Tango depuis 2012

## Recherche et développements

- Member of executive board developing next generation cervical Synthes prosthesis Prodisc Nova
- Developer and medical leader of Synthes Oracle Disc
- Developer of Synthes new nucleus prosthesis
- Developer of open Inspace Instruments

- Medical leader with M. Mayer of Synthes Stenofix
- Developer of Mosaik Cage Spineart
- Co-developer of Yoda Spineart
- Co-developer of Prodisc Vivo Synthes
- Co-developer of Romeo PAD Spineart
- Member of scientific group Vexim since 2011
- Co-founder of Eco-spine (3D-Titan product developing) since 2015
- Medical support of HISTIDE recording therapeutics since 2015
- Board member HISTIDE since 2017

## Enseignement

- **Organisateur des examens oraux FMH pour obtention du titre spécialiste en chirurgie orthopédique et traumatologique depuis 2004-2015**
- **Enseignant et examinateur des clinical skill Etude en médecine humaine 3eme année, Faculté de biologie, Université de Fribourg depuis 2010**
- **Enseignant et évaluateur MMed I, II, III depuis 2019.**
- **Formation interne personnel HFR Fribourg - Hôpital cantonal**  
Colloque de formation sur la chirurgie de la colonne pour les assistants, instrumentistes et infirmières depuis 2003
- **Faculté - fédération suisse des ostéopathes**  
Cours de préparation aux examens intercantonaux, Fribourg 2006-2011

## Organisation de congrès

- Congrès annuel Fribourgeois des instrumentistes et techniciens en salle d'opération de 2002 - 2006
- International Prodisc C congress. Fribourg 10.03.2006
- Symposium sacro iliaque. Fribourg 03.10.2012

## Chairmen

- Cours de base Ballon Kyphoplasty. Swissendos Fribourg 2003
- MACS TL Thorascopic spine fixation training course. Swissendos Fribourg 2003
- Cours de base Ballon Kyphoplasty. Swissendos Fribourg, 2003
- Workshop CMI. Swissendos Fribourg 2003
- Workshop pratico CMI. Swissendos Fribourg 2003
- Unispacer Workshop. Swissendos Fribourg 2003
- Cours pratique Optimesh. Swissendos Fribourg, 2003
- Surgical technique Prodisc C, complication management and revision strategies. XXII Annual meeting of the cervical spine research society, Berlin 17.-19.05.2006
- Ballon kyphoplasty. ISMISS, Zurich 26.01.2007

- Ballon kyphoplasty in stable traumatic spinal fracture with Kyph'Os. Eurospine, Bruxelles 25.09.2007
- Cervical spine arthroplasty. Annual Argentine Orthopedics Society Congress, Mar de Plata 14.12.2007
- Workshop Kyphoplasty trauma. Poitier (France) 17./18.4.2008
- Workshop kyphoplasty trauma. London 30.04.2008
- Workshop kyphoplasty trauma. GOTS Kongress, Munchen 20--22.06.2008
- Workshop kyphoplasty trauma. Swissendos, Fribourg 24./25.7.2008
- Workshop Inspace. GIS, Milano 23.06.2008
- Workshop Inspace. Kuwait City 08.06.2008
- AO master course. Kuwait City 08.-10.11.2008
- Workshop Baguera C. Deutscher WS Kongress, 28.11.2008
- Workshop Baguera C. Paris 11.12.2008
- Workshop: new developments in Kyphoplasty. GRIBOI, Martinique 26./27.03.2009
- Cadaver Workshop lateral access spine surgery with oracle cage. 02./03.04.2009
- Workshop Baguera C. Eurospine, Bucarest 2009
- Workshop Vexim. Eurospine, Vienna 2010
- Workshop Yoda. Buenos Aires 01.12.2010
- Workshop Yoda. Fort de France Martinique 08.02.2011
- Workshop Yoda and Baguera C. Rio de Janeiro 28.03.2011
- Workshop Yoda and Baguera C. Recife 29.03.2011
- Workshop Yoda and Baguera C. San Paolo 31.03.2011
- Workshop Yoda and Baguera C. Las Vegas 30.04.2011
- Workshop Synthes N-Flex, Inspace and Stenofix. Zurich 20.06.2011
- Workshop Yoda and Baguera C. Hamburg 13./14.07.2011
- Workshop Yoda. Valencia 04.09.2011
- Workshop I-Fuse. MedSynergy, Basel 27.06.2012
- Workshop PAD et Yoda. Sao Paolo (Brazil) 15.08.2012
- Spinejack Expert meeting Vexim; Portugal 12-13.9.2014
- Workshop MIS. Cartagena (Colombia) 29-31.01.2015
- Workshop MIS. Sao Paolo (Brazil) 9-14.9.2015
- Spinejack Expert meeting.Montecarlo, 17-19.09.2015
- Workshop Spinejack Munich 24.02.2016
- Workshop Spinejack Paris 04.3.2016
- Workshop Spineart Montreal 04.06.2016
- Workshop Spineart New York 06.06.2016
- Workshop Spineart Mexico city 09.06.2016
- Workshop Spinejack Paris 04.11.2016
- Workshop Compression fractures Bern 16.11.2016
- Workshop Spinejack Bruxelles 18.11.2016
- Workshop MIS Spineart Brasil 8-11.06.2017
- Workshop NEO spine system 3-7.06.2017
- Workshop Spinejack Paris 10.11.2017
- Spine round table, Moscow, 7-8.12.2017
- Workshop Spinejack Madrid 26.01.18
- Workshop Tektona Spineart Genève 20.04.18
- Workshop Spinejack Madrid 8-11.01.19
- Workshop Spinejack Paris 4-5.07.19
- Spinejack Expert meeting Dublin, 11-14.09.19
- Workshop Spinejack madrid 21-22.11.19
- Neo round table vidéo conférence, 05.06.2020
- Neo round table vidéo conférence, 09.06.2020
- Neo round table vidéo conférence, 23.06.2020
- Neo round table vidéo conférence, 30.06.2020
- Workshop Spinejack vidéo conference 08.10.2020
- Workshop Spinejacx vidéo conference 18.02.2021

- Workshop Spinejacxk vidéo conference 28.09.2021
- Workshop Spinejacxk, Cagliari 09.09.2021
- Workshop Spinejacxk Rome 17.11.2021

## **Instructeur**

### **Faculté Cours AO**

- Cours AO European comprehensive spine course, Oberdorf 09.-11.10.2003
- Cours AO Interactive spine I/II/III, Davos 14.-19.12.2003
- Cours AO European comprehensive spine course, Oberdorf 10.-12.06.2004
- AO Master Course, Kuwait City 08.-10.11.2008

### **Faculté Cours**

- Faculty Kyphoplasty (Kyphon)
- Faculty Prodisc-L Prodisc-C (Synthes) Training of Prosthesis L and C.
- Faculty Training trainer Prodisc-L Prodisc-C (Synthes)
- Faculty training Inspace (Synthes)
- Faculty training Baguera C (Spineart)
- Faculty training Romeo MIS (Spineart)
- Faculty training Yoda (Spineart)
- Faculty training Romeo PAD (Spineart)
- Faculty training Spinejack (Vexim)
- Faculty training D-Trax
- Faculty training I-Fuse (Si-bone)
- Faculty training Facet wedge (JJ- Synthes)

### **Instructeur Cours de base**

- Cervical spine arthroplasty course with Prodisc, Fribourg 26./27.05.2005
- Cervical spine arthroplasty course with Prodisc, Seoul (Corea) 22.-25.06.2005
- Cervical spine arthroplasty course with Prodisc, Fribourg 17./18.11.2005
- Lumbar spine arthroplasty course with Prodisc, Fribourg 24./25.11.2005
- Lumbar spine arthroplasty course with Prodisc, Fribourg 16./17.02.2006
- Cervical spine arthroplasty course with Prodisc, Fribourg 23./24.02.2006
- Cervical spine arthroplasty course with Prodisc, Mexico City 26.-29.04.2006
- Lumbar spine arthroplasty course with Prodisc, Fribourg 29./30.06.2006
- Cervical spine arthroplasty course with Prodisc, Fribourg 14./15.09.2006

- Cervical spine arthroplasty course with Prodisc, Fribourg 05./06.10.2006
- Cervical spine arthroplasty course with Prodisc, Fribourg 16./17.02.2006
- Lumbar spine arthroplasty course with Prodisc, Fribourg 12./13.10.2006
- Cervical spine arthroplasty course with Prodisc, Fribourg 23./24.11.2006
- Cervical spine arthroplasty course with Prodisc, Fribourg 22./23.01.2007
- Lumbar and cervical spine arthroplasty course with Prodisc, Kuwait 01.-04.06.2007
- Cervical spine arthroplasty course with Prodisc, Fribourg 21./22.06.2007
- Cervical spine arthroplasty course with Prodisc, Graz 30.06.2007
- Lumbar and cervical spine arthroplasty course with Prodisc, Kuwait 20.-23.07.2006
- Cervical spine arthroplasty course with Baguera, Fribourg 29.08.2007
- Cervical spine arthroplasty course with Baguera, Fribourg 01./02.02.2008
- Cervical spine arthroplasty course with Baguera, Fribourg 06./07.03.2008
- Cervical spine arthroplasty course with Baguera, Genève 21./22.05.2009
- Cervical spine arthroplasty course with Baguera, Uppsala 10.06.2009
- Advances in the treatment of VCF with kyphoplasty, Fribourg 18.06.2009
- Cervical spine arthroplasty with Baguera C, Genève 19./20.11.2009
- Treatment of VCF with kyphoplasty, Fribourg 26.11.2009
- Lumbar spine course with Baguera L, Genève 28./29.11.2010
- Cervical spine arthroplasty course with Baguera, Seoul (Corea) 01./04.2010
- Cervical spine arthroplasty course with Baguera, Genève, 08./09.07.2010
- Workshop MIS, Yoda, Baguera C Spineart, Hamburg 13./14.07.2011
- Workshop Yoda Spineart, Valencia 05.-07.09.2011
- Workshop Spinejack Vexim, Paris 09.09.2011
- Workshop D-Trax, Dusseldorf 02.12.2011
- Workshop Spinejack Vexim, Paris,08.12.2011
- Workshop Spinejack Vexim, Paris 09.09.2011
- Workshop Spinejack Vexim, Paris 10.02.2012
- Workshop D-Trax, Dusseldorf 02.03.2012
- Workshop PAD and Yoda, Hamburg 18./19.10.2012
- Workshop Spineart, Bologna 17.05.2013
- Workshop Sibone, Bologna 16.05.2013
- Workshop Sibone, Catania 01.02.2013
- Workshop Spinejack, Madrid, 06./07.06.2013
- Workshop Spinejack Nice, 10./11.10.2013
- Workshop Spineart, Liverpool 03.10.2013
- Workshop Spinejack, Nice 17./18.11.2013
- Workshop Spinejack, Dusseldorf 25./26.11.2013
- Workshop Spinejack, Paris 12./13.12.2013
- Workshop Spinejack, Paris 06.03.2014
- Workshop Spinejack, Düsseldorf 13.3.2014
- Workshop Spinejack, Düsseldorf 29.05.2015

## Publications

### Book Chapters

- 1 **Maestretti G, Otten Ph:** Percutaneous kyphoplasty in traumatic fractures. In: Meier M (edt) Minimally Invasive Spine Surgery, Springer Verlag 2 ed, 2006, Chap 29, pp 239-246
- 2 **Maestretti G, Krajionivic S, Otten Ph:** Percutaneous kyphoplasty in traumatic fractures. In: Becker S, Ogon M (edts) Balloon Kyphoplasty, Springer Verlag, 2008, Chap 10, pp 116-125

- 3 **Maestretti G, Bennecker LM, Ciarpaglini R, Monnard E:** Less minimal invasive posterior dynamic stabilisation with Yoda: A new treatment for discogenic disc degeneration In: Menchetti PP (edt) Mini Invasive Spine Surgery, Springer Verlag, 2014,Chap 8, pp167-181
- 4 **Ciarpaglini R, Fornaciari P, Maestretti G :** Injury of the middle and lower cervical spine in : Menchetti PP (edt) Cervical spine : Minimally Invasive and Open Surgery, Springer Verlag, 2016, Chap 18

### **Publications as first author**

- 1 **Maestretti G, Osterwalder A:** Doppia osteotomia del primo metatarso: un'operazione logica e non mutilante per il trattamento dell'alluce valgo. Tribuna medica Ticinese 1994;1:59
- 2 **Maestretti G, Osterwalder A:** Ernia iatale - cura laparoscopica. Tribuna medica Ticinese 1996;1:61
- 3 **Maestretti G, Otten Ph:** Complication inhabituelle d'une prothèse de disque cervicale. Neurochirurgie 2004;50:599-600
- 4 **Maestretti G, Otten Ph:** Postoperative care after total lumbar and cervical disk replacement. Spine Art 2005;1:14-15
- 5 **Maestretti G, Otten Ph:** Kyphoplastie dans les traumatismes du rachis. Rev Chir Orthop 2006;92:151-153
- 6 **Maestretti G, Cremer C, Otten Ph, Jakob RP:** Prospective study of standalone balloon kyphoplasty with calcium phosphate cement augmentation in traumatic fractures. Eur Spine J 2007;16:601-610
- 7 **Maestretti G, Krajnovic S:** Kyphoplasty in traumatic fractures. Interactive Surgery 2008;3:246-252
- 8 **Maestretti G, Srour R, Vally P, Otten Ph, Noriega D:** Baguera C - Une nouvelle prothèse discale cervicale. Le rachis 10-2008
- 9 **Maestretti G, Srour R, Vally P, Otten Ph, Noriega D:** Baguera C - A new cervical disc replacement device. Spinal Surgery News 2008
- 10 **Maestretti G, Srour R, Vally P, Otten Ph, Noriega D:** Baguera C - A new cervical disc replacement device. Touch Briefing 2008
- 11 **Maestretti G, Reischl N, Jacobi M, Wahl P, Otten Ph, Bihl T, Balagué F:** Treatment of discogenic low back pain by total disc arthroplasty using the Prodisc prosthesis: analysis of a prospective cohort study with five year clinical follow up. The Open Spine Journal 2011;3
- 12 **Maestretti G, Sutter P, Monnard E, Ciarpaglini R, Wahl P, Hoogewoud H, Gautier E.** A prospective study of percutaneous balloon kyphoplasty with calcium phosphate cement in traumatic vertebral fractures: 10 years results. Euro Spine J. 2014, Jun 23 (6): 1354-60.

### **Publications as co-author**

- 1 **Osterwalder A, Maestretti G:** Metatarsus primus double osteotomy, a logical and non disabling surgical technique for treatment of hallux valgus. Helv Chir Acta 1993;60:245-248

- 2 **Otten Ph, Maestretti G:** Traitement des fractures thoraco-lombaires traumatiques par cyphoplastie et phosphate de calcium: résultat à un an et demi. Neurochirurgie 2004;50:589
- 3 **Otten Ph, Maestretti G:** Prothèse totale de disque lombaire et activité physique. Neurochirurgie 2006;52:465-466
- 4 **Cotton A, Nordin J-Y, Gangi A, Laredo JD, Maestretti G, Passuti N, Roux C, Vallee C:** Vertebroplasty and cyphoplasty. Rev Chir Orthop 2006;92 (Suppl 5):S143-S156
- 5 **Schwenk I, Maestretti G, Balague F:** Wirbelbogenfraktur - maligne oder benigne? Schweiz Med Forum 2009;9:821
- 6 **Schallberger A, Jacobi M, Wahl P, Maestretti G, Jakob RP:** High tibia valgus osteotomy in unicompartmental medial osteoarthritis of the knee: a retrospective follow up study over 13-21 years. Knee Surg Sports Traumatol Arthrosc 2010
- 7 **Kaiser DR, Ciarpaglini R, Maestretti G:** An uncommon C1 fracture with longitudinal split of the transverse ligament. Eur Spine J 2011;21 (Suppl 4):S471-474
- 8 **Lutz JA, Otten Ph, Maestretti G:** Late infections after dynamic stabilization of the lumbar spine with Dynesis, Eur Spine J 2012; 21:S2573-2579
- 9 **Aghayev E, Bärlocher C, Sgier F., Hasdemir M, Steinsipe KF, Wernly F, Porchet F, Hausmann O, Ramadan A, Maestretti G, Ebeling U, Neukamp M, Röder C:** Five years results of cervical disc prosthesis in the SWISS spine registry. Eur Spine J 2013
- 10 **Röder C, Boszyk B, Perler G, Aghayev E, Külling F, Maestretti G:** Cement volume is the most important modifiable predictor for pain relief in BKP: results from SWISS spine registry. Eur Spine J 2013
- 11 **Peter Diel, Christoph Röder, Gosia Perler, Thomas Vordemvenne, Matti Scholz, Frank Kandziora, Sebastian Fürderer, Soren Eiskajer, Gianluca Maestretti, Rober Rotter, Lorin Michael Benneker and Paul Friedhelm Heini :** Radiographic and safety details of vertebral body stenting :results from a multicenter chart review.BMC Musculoskeletal Disorders 2013 ;14 :233
- 12 **Ciarpaglini R, Sutter P, Otten P, Maestretti G. :**Occipitalisation of atlas with sudden onset.; Journal of Spine & Neurosurgery 2014, 3 :1
- 13 **Agayev E, Etter C, Bärlocher C, Sgier F, Otten P, Heini P, Hausamann O, Maestretti G, Baur M, Porchet F, Markwalder TM, Schären S, Neukamp M, Röder C**  
Five-years results of lumbar disc prosthesis in the Swiss spine registry; Eur Spine J.2014 oct;23 (10)214-26
- 14 **Ciarpaglini R, Otten P, Sutter P, Duy VQ, Gautier E, Maestretti G.:** Sacro-iliac joint Syndrome ten years after lumbar arthroplasty: the importance of spinopelvic alignment.; Euro Spine J. 2014, Oct 23 Suppl 6: 720-40
- 15 David C Noriega, **Gianluca Maestretti**, Christian Renaud, Natale Francaviglia, Mourad Ould-Slimane, Steffen Queinnec, Helmut Ekkerlein, Frank Hassel, Rainer Gumpert, Pascal Sabatier, Hervé Huet, Miguel Plasencia, Nicolas H. Theumann, Alexander Kunsy and @ Implantations: 1-Year Results of a Prospective Multi-Centre Single-arm Registry Study"; BioMed Research International 2015:173872
- 16 Paolo Tranquilli Leali, Federico Solla, **Gianluca Maestretti**, Massimo Balsano, Carlo Doria:  
Safety and efficacy of vertebroplasty in the treatment of osteoporotic vertebral compression fractures: A prospective multicenter international randomized controlled study; Clinical cases : Mineral Bone Metabolism Journal; 3-2016
- 17 Krappel F, Brayda-Bruno M, Alessi G, Remacle JM, Lopez LA Fernandez JJ, **Maestretti G**, Pfirmann CW. : Herniectomy versus herniectomy with the DIAM spinal stabilization system

- in patient with sciatica and concomitant low back pain: results of a prospective randomized controlled multicenter trial.; Eur spine J 2016 Oct 4
- 18 Noriega DC, **Maestretti G**, Mittelmeier Th, Duffort P, Meeder PJ, Krüger A: A new 3D reconstruction method to assess anatomical restoration in vertebral compression fractures; Acta Orthopaedica Belgica 10-2016
  - 19 Ansorge A, **Maestretti G**: The role of biological resorbing cement associated to vertebroplasty and kyphoplasty in the treatment of vertebral compression fractures type A; Leading Opinion 10-2016
  - 20 Doria C, Mosele GR, Solla F, **Maestretti G**, Balsano M, Scarpa RM. : Treatment of osteoporosis secondary to hypogonadism in prostate carcinoma patients. A prospective randomized multicenter international study with Denosumab Vs Aledronate; Minerva Uro Nefrol. 2016; nov.- 4
  - 21 Fringeli Y., Humm A., Ansorge A., **Maestretti G.**: Harlequin sign concomitant with Horner syndrome after anterior cervical discectomy, Journal of neurosurgery 11-2016
  - 22 Galley J., **Maestretti G.**, Hoogewoud H-M. :Real Te relaxation time measurement an diurnal variation anlysis of intervertebral discs in a healthy population of 50 volunteers: European Journal of Radiology:87 (2017) 13-19
  - 23 Simonin A., Passaplan C., Rusconi A., **Maestretti G.** : Treatment of Odontoid Process: Pathologic fractures with anterior odontoid screws fixation and vertebroplasty: technical report; Journal of Neurological surgery; 6 (2017)
  - 24 Simonin A., Rusconi A., **Maestretti G.** :Difference between Pulmonary and Intracardiac Cement Embolism Migration after Percutaneous cementoplasty: report of two cases and review of literature; Journal of Neurological surgery; 6 (2017)
  - 25 Doria C., Mosele G.R, Balsano M., Maestretti G, Caggiari G.: Anterior decompression and plate fixation in tratment of cervical myelopathy: A multicenter retrospective review; Acta orthopaedica et Traumaologica Turcica; 3 (2018)
  - 26 Simonin A., Passaplan C., Rusconi A., Colin V., Erard V., Stauffer E., **Maestretti G.**, Otten Ph.: Pott's puffy tumor presenting as a frontal swelling under a Swiss army helmet; Clinical Neurology and Neurosurgery; 173: 7 (2018)
  - 27 Rusconi A., **Maestretti G.**: Segmentation failure of the posterior elemnts at the cervical spine and cervicthoracic jointion. Reports of three cases; Surgical and radiologic anatomy, 8 (2018).
  - 28 Emin Aghayev, Dezsö Jeszensky, Lorin Benneker, Paul Heini, Philippe Otten, Brigitte Jolles-Haeberly, **Gianluca Maestretti**, Hans Heinrich Trouillier, Fabrice Külling, Thomas Zweig: Spektrum der Wirbelsäulen Chirurgie in der Schweiz hergeleitet aus den schweizerischen Daten des Europäischen Wirbelsäulenregisters (2015-2016)
  - 29 Balsano M, **Maestretti G**, Amorese V., Argiola M., Baioni A., Pisanu F., Caggiari GF. , Doria C : Clinical outcomes after surgical correction of severe thoracic osteoporosis kyphosis; EuroMediterranean Biomedical journal 2020,15(15) 964-68.
  - 30 Valsecchi D, Brouze IF, El Rahal A, **Maestretti G**: Sulcal Artery Syndrome as atypical ischemic complication after anterior cervical discectomy and fusion: a case report ; Clin Case Rep J. 2020;1(6):1–5
  - 31 Valsecchi D, Ackfeld T, Gondar ARJ, El Rahal A, Stauffer E, OTTEN Ph, **Maestretti G**: Traumatic vertebral fracture with coexisting enchondroma: case-report and review of the literature; Clin Case Rep J. 2020,1(6):1–7
  - 32 Coliogna L., Bina V., Botta L., Benazzo F.M., Medetti M., Maestretti G, Mosconi M., Cofano F., Tartara F., Giulia Gastaldi: Osteogenic potential of human adipose derived stemm cells (hASCs) seeded on titanium trabecular spinal cages; scientif reports, Nature online 10-2020

### **As member from the SWISSpine Registry Group**

1. E.Schluessmann, P.Diel, , E. Aghayev,T.Zweig,P.Moulin,C.Röder, SWISSpine Group  
SWISSpine: a nationwide registry for health technology assessment of lumbar disc  
Prostheses; Eur Spine J (2009) 18:851-861
2. E.Schluessmann, P.Diel, , E. Aghayev, L. Staub ,P.Moulin, T. Zweig, C.Röder,  
SWISSpine Group: SWISSpine: The case of a governmentally required HTA-Registry for  
total disc Arthroplasty; Spine J (2010) vol 35(24):1397-1405
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5. L. Hübschle, F. Borgström, , G. Olafsson, C. Röder, ,P.Moulin, A.W.Popp, F.Külling, E.  
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### **Abstracts**

- 1 **Maestretti G, Caroli F:** La prothèse totale cervicale Prodisc-C. Technique et expérience  
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- 2 **Maestretti G, Jacobi M, Otten Ph:** Evaluation radiologique de la mobilité des prothèses  
totales du disque et incidence des ossifications hétéro topiques: étude prospective à 1 an  
de follow-up. Schweiz Med Forum 2004;4 (Suppl 20) S55
- 3 **Maestretti G, Otten Ph:** Mini abord antérieur rétropéritonéal pour les prothèses totales du  
disque: technique et complications. Schweiz Med Forum 2004;4 (Suppl 20) S55

- 4 **Maestretti G, Bill T, Jacobi M, Otten Ph, Balagué F:** Evaluation Clinique indépendante à 1 année des prothèses totales du disque Prodisc à Fribourg. Schweiz Med Forum 2004;4 (Suppl 20) S59
- 5 **Maestretti G, Schallberger A, Otten Ph, Hoogewoud HM:** Evaluation par CT de l'ostéotransduction du ciment au calcium phosphate dans les cyphoplastie pour le traitement des fractures traumatiques type A. Schweiz Med Forum 2004;4 (Suppl 20) S22
- 6 **Maestretti G, Otten Ph:** Résultats à 1 année des cyphoplasties avec calcium phosphate pour le traitement des fractures traumatiques type A. Schweiz Med Forum 2004;4 (Suppl 20) S75
- 7 **Maestretti G, Otten Ph:** Balloon kyphoplasty and calcium phosphate (Calcibon) for the treatment of traumatic fracture type A. BritSpine 2004 (Suppl CD)
- 8 **Maestretti G, Otten Ph:** Percutaneous treatment of traumatic thoraco-lumbar fracture type A with kyphoplasty and calcium phosphate cement (Calcibon). A one year follow up. Eur Spine J 2004 (CD)
- 9 **Maestretti G:** Lumbar total disc replacement: Complication and revision strategy. Schweiz Med Forum 2006
- 10 **Maestretti G:** Long term result with standalone kyphoplasty and calcium phosphate cement in traumatic fractures. Schweiz Med Forum 2006
- 11 **Maestretti G:** Coccyx osteotomy for the treatment of instability related coccygodynia. Schweiz Med Forum 2007
- 12 **Otten Ph, Maestretti G:** Expérience préliminaire de la prothèse cervicale Baguera. Schweiz Med Forum 2007
- 13 **Kaiser D, Maestretti G:** Lésion disco-ligamentaire C2-C3 chez l'enfant: Case report. Schweiz Med Forum 2007
- 14 **Maestretti G, Otten Ph:** A novel cervical disc replacement device Baguera: Design and biomechanical characteristics. Eur Spine J 2008 (Suppl 5)
- 15 **Maestretti G, Srour R, Vally P, Otten Ph, Noriega D:** Baguera C cervical disc replacement - clinical results with 2 years follow up. Global Spine 2009, San Fransisco
- 16 **Maestretti G, Otten Ph, Srour R, Vally P, Noriega D:** Early clinical results with Baguera C cervical disc replacement. IMAST 2009
- 17 **Maestretti G, Srour R, Vally P, Noriega D, Otten Ph:** Baguera C cervical disc replacement - Clinical results with 2 years follow-up. NASS 2009
- 18 **Maestretti G, Noriega D, Ardura F, Noriega JJ, Arqueros M, Guisasola V:** Comparative surgical benefits and characteristics of 3 cervical disc replacement devices. DWG Germany, 2010
- 19 **Maestretti G, Tropiano P, Fransen P, Noriega D, Srour R, Otten Ph, Vally P, Lejeune JP, Chatzistiriou A, Alcaraz P:** Clinical and radiographic outcomes on a series of 249 patients treated with single and multilevel cervical disc replacement at 2 year follow up. Bass Meeting UK 2011
- 20 **Maestretti G, Otten Ph:** Dynamic posterior stabilization with Yoda: concept and first results. ISMISS Zurich 2011
- 21 **Maestretti G, Sutter P, Ciarpaglini R, Etienne M, Wahl P, Gautier E:** A prospective study of percutaneous balloon kyphoplasty with calcium phosphate cement in traumatic vertebral fractures: 10 years results. Eurospine Journal 2013 (Suppl)

- 22 **Simonin A., Riusconi A., Maestretti G:** Difference between pulmonary and intracardiac cement embolism migration after percutaneous cementoplasty. Journal of Neurological (SSNS)
- 23 **Simonin A., Riusconi A., Maestretti G:**Treatment of odontoid process pathologic fracture with anterior odontoid screw fixation and vertebroplasty: technical case report. Journal of Neurological (SSNS)
- 24 **Simonin A., Riusconi A., Maestretti G:** Difference between pulmonary and intracardiac cement embolism migration after percutaneous cementoplasty. Journal of clinical Neuroirradiology
- 25 **Simonin A., Riusconi A., Maestretti G:**Treatment of odontoid process pathologic fracture with anterior odontoid screw fixation and vertebroplasty: technical case report. Journal of clinical neuroradiology
- 26 **Habib N., Gondar R., Valsecchi D, Brouze., I., Maestretti G.:** Le gabbie cervicali in titanio trabecolare stampati in 3d electron beam melting (ebm) promuovono una crescita ossea precoce: dal in vitro alla chirurgia, un'analisi prospettica e la sua validazione, Report preliminare; Società Italiana di Neurochirurgia (SINch), 14.10.2020
- 27 **Maestretti G:** Scarlet L; Triple Saudi Spine, Riyadh, 08.11.20
- 28 **Nermine H, Miesbach T, Maestretti G.:** Mit electron beam melting 3D-gedruckte zervikale trabekuläre Titan-Cages fördern frühes Knochenwachstum: Vom in vitro Experiment zur Chirurgie – ein vorläufiger Bericht über eine prospektive Studie; Deutsche Wirbelsäulengesellschaft (DWG), 10.12.2020
- 29 **Valsecchi D, Miesbach T, Maestretti G.:** Inkomplettes Brown-Séquard Syndrom als atypische Komplikation nach anteriorer zervikaler Diskektomie und Fusion; Deutsche Wirbelsäulengesellschaft (DWG), 10.12.2020
- 30 **T. Miesbach, D. Valsecchi, C. Goga, F. Ramadani, P. Otten, G. Maestretti:** An Atypical Complication of Anterior Cervical Discectomy and Fusion: Sulcal Artery Syndrome; SGO June 21
- 31 **N. Habib, C. Goga, F. Ramadani, D. Valsecchi, T. Miesbach, P. Otten, G. Maestretti:**3D Printed highly porous trabecular titanium (3DTi) cervical interbody cages using electron beam melting technology promote early in vivo bony ingrowth. A preliminary report of a prospective analysis; SGO June 2021
- 32 **F. Ramadani, C. Goga, D. Valsecchi, T. Miesbach, P. Otten, G. Maestretti:** Titanium trabecular 3D EBM ® implants: A new promoting bone growth material; SGO June 2021
- 33 **D. Valsecchi, T. Miesbach, F. Ramadani, C. Goga, P. Otten, G. Maestretti:** Paraspinal Intramuscular "Ancient" Schwannoma: Case presentation about a rare pathology Case presentation; SGO June 2021
- 34 **T. Miesbach, D. Valsecchi, G Maestretti:** Sulcal Artery Syndrome as Atypical Complication after Anterior Cervical Discectomy and Fusion; CSRS Europe 29-02.10.2021

## Posters

- 1 **Maestretti G:** Luxation unifacettaire traumatique L5-S1 chez l'enfant: Case report. SGO, Bâle 30.10.-01.11.2003
- 2 **Maestretti G:** Abord rétropéritonéal antérieur en chirurgie du rachis. SGO, Bâle 30.10.-01.11.2003
- 3 **Maestretti G:** Balloon kyphoplasty and calcium phosphate (Calcibon) for the treatment of traumatic fracture type A. Britspine, Nottingham 28.-30.04.2004
- 4 **Maestretti G:** Percutaneous treatment of traumatic thoraco-lumbar fracture type A with kyphoplasty and calcium phosphate cement (Calcibon), a One year follow-up. Spine Weeks, Porto 30.05.-05.06.2004
- 5 **Maestretti G:** Résultats à 1 année des cyphoplasties avec calcium phosphate pour le traitement des fractures traumatiques type A. SGO, Montreux 23.-25.09.2004
- 6 **Maestretti G:** Three years experiences in kyphoplasty and augmentation with calcium phosphate cement in the treatment of traumatic fracture. SGO, Zurich 07.-09.09.2005
- 7 **Maestretti G:** Protocole de rééducation après prothèse totale de disque cervical ou lombaire. SGO, Zurich 07.-09.09.2005
- 8 **Maestretti G:** Arthroplasty with Prodisc to treatment of discogenic low back pain: a prospective study with 2-years minimum follow-up independent controlled by rheumatologist. SAS 6, Montreal 09.-13.05.2006
- 9 **Maestretti G:** Lumbar total disc replacement: Complication and revision strategy. SGO, Luzern 20.-22.09.2006
- 10 **Maestretti G:** Osteotomy for the treatment of instability related coccygodynia. SGO, Montreux 19.-21.09.2007
- 11 **Kaiser D, Maestretti G:** Lésion disco-ligamentaire C2-C3 chez l'enfant: Case report. SGO Montreux 19.-21.09.2007
- 12 **Maestretti G, Otten Ph:** A novel cervical disc replacement device Baguera: Design and biomechanical characteristics. Spineweek, Genève 26.-31.05.2008
- 13 **Maestretti G, Otten Ph:** A novel cervical disc replacement device Baguera: Design and biomechanical characteristics. Imast, Honkong 07.-11.07.2008
- 14 **Maestretti G, Otten Ph:** A novel cervical disc replacement device Baguera C: Design and biomechanical characteristics. Eurospine 2009
- 15 **Maestretti G, Srour R, Vally P, Otten Ph, Noriega D:** Baguera C cervical disc results up 2 to 2 years follow up. Global Spine, San Fransisco 2009
- 16 **Maestretti G, Sutter P, Ciarpaglini R, Etienne M, Wahl P, Gautier E:** A prospective study of percutaneous balloon kyphoplasty with calcium phosphate cement in traumatic vertebral fractures: 10 years results. Eurospine, Liverpool 2013
- 17 **Maestretti G, Sutter P, Ciarpaglini R:** A prospective study of percutaneous balloon kyphoplasty with calcium phosphate cement in traumatic vertebral fractures: 10 years results. DWG, Frankfurt 2013

- 18 **Otten Ph, Ciarpaglini R., Maestretti G.:** Does lumbar disc replacement reduce the risk of development of sacro iliac joint pain? Results at 10 years ; SAS, San Francisco
- 19 **Simonin A., Riusconi A., Maestretti G:** Difference between pulmonary and intracardiac cement embolism migration after percutaneous cementoplasty. Joint annual meeting of the Swiss Society of neurosurgery and swiss society of neuroradiology, Bern June 8-9.2017
- 20 **Simonin A., Riusconi A., Maestretti G:**Treatment of odontoid process pathologic fracture with anterior odontoid screw fixation and vertebroplasty: technical case report. Joint annual meeting of the Swiss Society of neurosurgery and swiss society of neuroradiology, Bern June 8-9.2017
- 21 **Simonin A., Riusconi A., Maestretti G:** Difference between pulmonary and intracardiac cement embolism migration after percutaneous cementoplasty. SSNC, Venezia,2-4.10..2017
- 22 **Simonin A., Riusconi A., Maestretti G:**Treatment of odontoid process pathologic fracture with anterior odontoid screw fixation and vertebroplasty: technical case report. SSNC, Venezia, 2-4.10.2017
- 23 **Corentin W., Teixeira M., Mancini C., Maestretti G., Mouthon M., Annoni JM., Chabwine J.:**The GABAergic Beta EEG peak amplitude could underlie interaction between chronic pain and sleep loss: preliminary reports; EAN conference, 6-2018
- 24 **Habib N., Almeida Gondar R., Valsecchi D., Brouze I, Maestretti G.:** Titanium Trabecular 3D Electron Beam Melting (EBM) Printed Cervical Cages Promote Earlier Bony Growth: From In Vitro To Surgery, A Prospective Analysis And Validation (Preliminary Report), EFORT Congress, 28.10.2020
- 25 **T. Miesbach, D. Valsecchi, C. Goga, F. Ramadani, P. Otten, G. Maestretti:** An Atypical Complication of Anterior Cervical Discectomy and Fusion: Sulcal Artery Syndrome; SGO June 21
- 26 **N. Habib, C. Goga, F. Ramadani, D. Valsecchi, T. Miesbach, P. Otten, G. Maestretti:**3D Printed highly porous trabecular titanium (3DTi) cervical interbody cages using electron beam melting technology promote early in vivo bony ingrowth. A preliminary report of a prospective analysis; SGO June 2021
- 27 **F. Ramadani, C. Goga, D. Valsecchi, T. Miesbach, P. Otten, G. Maestretti:** Titanium trabecular 3D EBM ® implants: A new promoting bone growth material; SGO June 2021
- 28 **D. Valsecchi, T. Miesbach, F. Ramadani, C. Goga, P. Otten, G. Maestretti:** Paraspinal Intramuscular "Ancient" Schwannoma: Case presentation about a rare pathology Case presentation; SGO June 2021
- 29 **T. Miesbach, D. Valsecchi, G Maestretti:** Sulcal Artery Syndrome as Atypical Complication after Anterior Cervical Discectomy and Fusion; CSRS Europe 29-02.10.2021

## Présentations

### 2003

1. Early experience with multilevel Prodisc in Fribourg Switzerland. First International Clinical Advisory Team Meeting, Garmisch-Partenkirchen 26.-28.02.2003
2. Kyphoplasty with Calcibon in the treatment of traumatic fractures type A. International User Trauma Meeting, Bruxelles 18.03.2003
3. Trattamento delle fratture traumatiche spinali di tipo A con cifoplastica e calcio fosfato. Riunione di neurochirurgia, Caltanissetta (Italia) 08./09.05.2003
4. Kyphoplasty with Calcibon in the treatment of thoracolumbar traumatic vertebral fracture type A. Trauma User Meeting, New York 06.-08.06.2003
5. Traitement des fractures vertébrales type A par cyphoplastie et calcium phosphate. Les journées du rachis controverses, Evian 13.-15.06.2003
6. Kyphoplasty with Calcibon in the treatment of traumatic fractures type A2 and A3. Trauma User Meeting, Roma 19.08.2003
7. Approccio anteriore extraperitoneale per la chirurgia protetica spinale. Corso di chirurgia dal vivo sui tumori vertebrali, Roma 18.09.2003
8. Approccio laterale retroperitoneale per la chirurgia spinale. Corso di chirurgia dal vivo sui tumori vertebrali, Roma 18.09.2003
9. Approccio extrapleurico per la chirurgia spinale. Corso di chirurgia dal vivo sui tumori vertebrali, Roma 19.09.2003
10. Kyphoplasty with Calcibon in the treatment of thoracolumbar traumatic vertebral fractures type A. Cement Update, Bordeaux 19.-20.09.2003
11. Balloon Kyphoplasty in traumatic VCF's. Eurospine, Prague 01.-04.10.2003
12. Posterior approach for the treatment of thoracolumbar injuries. Cours AO European Comprehensive Spine Course, Oberdorf 09.-11.10.2003
13. Cyphoplastie dans le traitement des fractures traumatiques de la colonne type A: technique opératoire. Congrès annuel de la Société Suisse d'Orthopédie, Bâle 30.10.-01.11.2003
14. Traitement des fractures vertébrales type A par cyphoplastie et calcium phosphate: résultats préliminaires. Congrès annuel de la Société Suisse d'Orthopédie, Bâle 30.10.-01.11.2003
15. Cifoplastica di supporto o sostitutiva. Il Corso teorico pratico di radiologia interventistica del rachide, Napoli 19./20.11.2003
16. La prothèse totale du disque type Prodisc. Journée du personnel de bloc opératoire, Fribourg 28.11.2003
17. Traitement des fractures vertébrales traumatiques par cyphoplastie et phosphate de calcium. Réunion annuelle de la société Française de Neurochirurgie, Paris 30.11.-03.12.2003

### 2004

18. Cyphoplastie avec calcium phosphate pour le traitement des fractures traumatiques type A. Journée du rachis, Paris 15.-17.01.2004
19. Protesi totali discali: il Prodisc. Orthonews, Ovindoli 04.-07.02.2004
20. First clinical experience with kyphoplasty and CPC Kyph'Os. Kyph'Os Meeting, Bruxelles 15.03.2004
21. One year experience with kyphoplasty and Calcibon in the treatment of thoracolumbar traumatic fractures. Trauma Meeting, New-York 16./17.04.2004
22. One year experience with kyphoplasty and Calcibon in the treatment of thoracolumbar traumatic fractures and first experience with Kyph'Os. Spine Week, Porto 30.05.-05.06.2004
23. Treatment indication in traumatic fractures: Conservative vs operative. AO Faculty, Oberdorf 10.-12.06.2004
24. Posterior approach for the treatment of thoracolumbar injuries. AO Faculty, Oberdorf 10.-12.06.2004
25. Total lumbar prosthesis: the Prodisc. AO Faculty, Oberdorf 10.-12.06.2004
26. One year experience with kyphoplasty and Calcibon in the treatment of thoracolumbar traumatic fractures and first experience with Kyph'os. Journée du rachis, Evian 11.-13.06.2004
27. Balloon kyphoplasty and calcium phosphate cement in traumatic fractures type A. Innovative techniques in spine surgery, Los Cabos 04.-07.08.2004
28. Prothèse totale de disque: expérience Suisse à Fribourg. Alliance francophone de la Spine Arthroplasty Society, Cannes 17./18.09.2004
29. La prothèse totale cervicale Prodisc-C. Technique et expérience préliminaires. SGO, Montreux 23.-25.09.2004
30. Evaluation radiologique de la mobilité des prothèses totales du disque et incidence des ossifications hétérotopiques : étude prospective à 1 an de follow-up. SGO, Montreux 23.-25.09.2004
31. Mini abord antérieur retro péritonéal pour les prothèses totales du disque : technique et complications. SGO, Montreux 23.-25.09.2004
32. Evaluation clinique indépendante à 1 année des prothèses totales du disque Prodisc à Fribourg. SGO, Montreux 23.-25.09.2004
33. Evaluation par CT de l'ostéotraduction du ciment au calcium phosphate dans les cyphoplastie pour le traitement des fractures traumatiques type A. SGO, Montreux 23.-25.09.2004

34. La cyphoplastie comme traitement primaire des fractures rachidiennes. Rencontre Rhône-Rachis, Genève 22.10.2004
35. Cifoplastica con Balon: Prevencion de las complicaciones: Nuevas Indicaciones. Primer Curso Teorico-Practico: Avances en el tratamiento de las Fracturas Vertebrales, Madrid 12.11.2004
36. Total disc replacement. Reuniao da Sociedade Portuguesa de Neurocirurgia, Cascais 23.11.2004
37. Experience de la kyphoplastie au ballon. GIEDA Inter Rachis 10./11.12.2004
38. La cifoplastica per il trattamento delle fratture traumaticca. Orthonews, Ovindoli 05.02.2004
39. Prodisc L experience and results. AO Spine: The lumbar intervertebral disc, Davos 19.04.2004
40. Prodisc C experience and results. AO Spine: The lumbar intervertebral disc, Davos 19.04.2004

## **2005**

41. Trattamento mini invasivo delle fratture da compressione. Orthonews Italia 02.-05.02.2005
42. Experiences with total disc replacement cervical and lumbar. The Lumbar Intervertebral Disc AO Spine, Davos 17.-20.03.2005
43. Long term follow-up with Kyphoplasty and Kyphos. Kyphon Meeting, Bruxelles 01.03.2005
44. Revision strategy by prothesis: clinical example. User Meeting Prodisc, Berlin 01.-02.04.2005
45. Total disc Prosthesis, Experience with the Prodisc. Spine Society of Australia Conference, Auckland (New Zealand)15.-17.04.2005
46. Long term experience with kyphoplasty and CPC by traumatic fracture. Trauma Meeting, New York 29.04.2005
47. Posterior dynamic stabilisation with pedicel screws. SAS, New York 04.-07.05.2005
48. Three years experiences with kyphoplasty for the treatment of traumatic fracture. SAS, New York 04.-07.05.2005
49. Esperienza con la protesi totale lombare Prodisc L. O.T.O.D.I, Stresa 26.-28.05.2005
50. Experience with the Prodisc C. Basic Cours Prodisc C, Seoul (Corea) 22.-25.06.2005
51. Prodisc C: Preliminary result of multicentric study. SGO, Zurich 07.-09.09.2005
52. Kyphoplasty in traumatic fracture: three years experiences. Nuevas opciones para el tratamiento minimamente invasivo de las fractureas vertebrale, Murcia (Spain) 20.09.2005
53. Revision strategy by prosthesis. Eurospine, Barcelona 21.-24.09.2005
54. Clinical experience with Prodisc and revision strategy. Lumbar motion preserving treatments. State of Art Symposium, Monaco 14./15.10.2005
55. Prodisc C. Journées fribourgeoise du personnel du bloc opératoire, Fribourg 04.11.2005
56. Trois ans d'expérience avec cyphoplastie et calcium phosphate pour les fractures traumatiques. Table ronde sur Vertebro-Cyphoplastie. SOFCOT, Paris 07.11.2005
57. Lumbar disc prosthesis. Prodisc L and Copy. Présentation interne Synthes Lehn (Allemagne) 09.11.2005
58. The Prodisc C. Cours de base Prodisc C, Fribourg 17./18.11.2005
59. Nouvelle technologie de la chirurgie du dos. Congrès FSAAM, Morat 19.11.2005
60. The Prodisc L. Cours de base Prodisc L, Fribourg 24./25.11.2005
61. Total disc replacement. Congrès Société Hongroise Chirurgie Spinale, 03./04.12.2005
62. Nouvelle technologie de la chirurgie du dos. Cours infirmières étage, Fribourg 21.12.2005

## **2006**

63. Vertebroplastie en traumatologie. GECO, Arc (France) 14.-19.01.2006
64. Prodisc training L and C. Irland, 23.02.2006
65. Revision strategy in cervical prosthesis. International User Meeting Prodisc, Fribourg 10.03.2006
66. Complication and revision strategy in lumbar prosthesis. International User Meeting Prodisc, Fribourg 10.03.2006
67. Three years experiences with kyphoplasty and calcium phosphate cement in traumatic fractures. GRIBOI, Bern 16.-18.03.2006
68. Long term experience kyphoplasty and calcium phosphate cement in traumatic fractures. Best investigator meeting Kyphon, Nice 29./30.03.2006
69. Total disc replacement. Orthopaedics Meeting, Dublin 23.02.2006
70. Kyphoplasty in traumatic fracture. GRIBOI, Bern 18.03.2006
71. Cervical total disc replacement complication and salvage. Prodisc C International Investigator Meeting, Hamburg 07./08.04.2006
72. Cervical disc prosthesis failure. Spine 2006 State of the art in spinal disorders, Sorrento 18.-20.05.2006
73. Lumbar disc prosthesis failure. Spine 2006 State of the art in spinal disorders. Sorrento 18.-20.05.2006
74. Protesis de disco. XX Anos Servicio de cirugía ortopedica y traumatología, Madrid 08./09.06.2006
75. Dynesis pour le traitement des degeneratives scolioses. Nice 23.06.2006
76. Long term result with standalone kyphoplasty and calcium phosphate cement in traumatic fractures. SGO, Luzern 20.-22.09.2006
77. Vertebro-Cyphoplastie Uptdate 2006. Colloque Romand Rheumatologie, Prugin 05.10.2006
78. Traitements des fractures traumatiques par cyphoplastie. Colloque de formation orthopédique HUG, Genève 02.11.2006

79. Cifoplastica nel trattamento delle fratture traumatiche. Trattamenti min invasivi del rachide, Roma 29./30.11.2006
80. Cyphoplastie Uptdate 2006. Colloque Valaisan Rheumatologie, Sion 20.12.2006

## **2007**

81. Diam principal and clinical experience overview. ISMISS, Zurich 26.01.2007
82. Cervical total disc replacement complication and salvage. Prodisc C International Investigator Meeting, Weggis 02.02.2007
83. Total disc replacement. Annual Orthopaedics Symposium, Kuwait 08.-10.02.2007
84. Kyphoplasty in traumatic fracture. Geneve 14.02.2007
85. Kyphoplasty in traumatic fracture. Annual Symposium Schweizerische Gesellschaft für Neurochirurgie, Bern 29.03.2007
86. Spine Non Fusion TK AO Group. Symposium TK, New York 17.-19.05.2007
87. Lumbar disc prosthesis. Rachis 2007, Nantes 08.06.2007
88. Kyphoplasty: Indication and surgical technique. Advanced concept in minimally compression fracture management, London, 09.06.2007
89. Classification of disc and facet degeneration, Summer University, Rome 06.07.2007
90. Cervical arthroplasty, Motion in spine. Swissendos Fribourg 28.08.2007
91. Dynesis pour le traitement des scolioses dégénératives. Dynesis Symposium, Pau 08./09.09.2007
92. Cyphoplastie Uptdate 2007. Colloque orthopédie, Neuchâtel 11.09.2007
93. Cervical total disc replacement complication and salvage. Bologna 28./29.09.2007
94. La chirurgie dégénérative lombaire. Cours de formation en ostéopathie, Fribourg 26.10.2007
95. Pro cervical disc replacement. AO spine future seminar, 23./24.11.2007
96. Kyphoplasty in traumatic fractures. AO spine future seminar, 23./24.11.2007
97. Inspace: indication and surgical technique. Aggiornamenti in chirurgia vertebrale, Bologna 29./30.11.2007
98. Complication and salvage strategy in cervical disc replacement. Annual Argentine Orthopedics Society Congress, Mar Del Plata 11.-14.12.2007

## **2008**

99. Kyphoplasty in traumatic fractures. MISS, London 11./12.01.2008
100. Kyphoplasty in traumatic fractures. Kyphoplasty Meeting, Bruxelles 15.01.2008
101. Kyphoplasty in traumatic fractures. Tratamiento minimamente invasivo de las fracturas vertebrales traumaticas meeting, Zaragoza (Spain) 24./25.01.2008
102. Inspace. Spine Launch Event, Solothurn 10.-12.02.2008
103. Interspinous device. 2nd Spine Course, Kuwait City 10.-12.04.2008
104. Kyphon Meeting. Kyphon Meeting, Poitiers (France) 18.04.2008
105. Die neusten chirurgische Methoden bei degenerativen LWS. Bern Fortbildung für Physiobern 03.06.2008
106. Baguera eine neue cervikale Bandscheibenprothese. AGKAMED, Berlin 04.06.2008
107. Indicazioni contraindicazioni all'artroplastica lombare. Artroplastica lombare e cervicale, Roma 12.-14.06.2008
108. La protesi cervicale Baguera. Artroplastica lombare e cervicale, Roma 12.-14.06.2008
109. Early detection versus late diagnosis in vertebral compression fracture management. Summer University 2008, Fairmont St. Andrews (Scotland) 02.-05.07.2008
110. What are the different cement options for bone stabilisation? What and When tto use? Summer University 2008, Fairmont St. Andrews (Scotland) 02.-05.07.2008
111. Prodisc C Revision strategy. Prodisc International Train the Trainer Meeting, Bad Bubendorf 25.-27.09.2008
112. Kyphoplasty in traumatic patient. Vertebroplasty and Kyphoplasty Congress, Bordeaux 14.-15.11.2008
113. Different cement. Vertebroplasty and Kyphoplasty Congress, Bordeaux 14.-15.11.2008
114. Inspace. Non rigid stabilization of the spine, 21./22.11.2008
115. Baguera C. Update sulla chirurgia mini-invasiva del rachide, Roma 12.12.2008
116. Der junge Patient: eine Indikation zur Kyphoplastie? Minimalinvasive perkutane Stabilisierungsverfahren an der WS, Marburg 12./13.12.2008

## **2009**

117. Baguera C: Results with minimum 2 y FU. Orthopaedics Meeting, Caracas 28./29.01.2009
118. 2y FU Baguera C. Spineart Meeting, Bogota 02.02.2009
119. Indicacion del sistema Dynesis en pacientes con escoliosis degenerativa. IV Jornadas Venezolanas de Neurocirurgia, Caracas 03.-05.03.2009
120. Arthroplatica cervical indicacion. IV Jornadas Venezolanas de Neurocirurgia, Caracas 03.-05.03.2009
121. Baguera cervical, diseno y resultados clinicos. IV Jornadas Venezolanas de Neurocirurgia, Caracas 03.-05.03.2009
122. Complicaciones en artroplastica lumbar y cervical. IV Jornadas Venezolanas de Neurocirurgia, Caracas 03.-05.03.2009

123. Estabilización dinamica con Dynesis. IV Jornadas Venezolanas de Neurocirugía, Caracas 03.-05.03.2009
124. Classification of the upper cervical spine fracture. Swiss Spine Residents Course, Bern 20.03.2009
125. Injectable polymeric biomaterials in clinical practice. State of Art. GRIBOI, Martinique 26./27.03.2009
126. Injectable bone substitutes in clinical practice. GRIBOI, Martinique 26./27.03.2009
127. Indications neurochirurgicales et orthopédiques en chirurgie du rachis. Cours de préparation à l'examen intercantonal pour ostéopathes, Fribourg 03.04.2009
128. Cervical arthroplasty with Baguera C: results up 2y FU. Global Spine Congress, San Francisco 23.-26.06.2009
129. Complications et limites de l'arthroplastie lombaire. Les journées d'Evian, Evian 18.-20.09.2009
130. CACP with Ballon Kyphoplasty. Perkutane Wirbelsäulenchirurgie in der Traumatologie, Leiden 24./25.9.2009
131. Different cement and application. 4. Symposium Vertebroplastie/Kyphoplastie, Potsdam 26.09.2009
132. Positionnement des patients. Formation pour personnel en salle d'opération, Lausanne 13.11.2009
133. Vertebroplasty or kyphoplasty in the adult: at what ages, what materials? Rome Spine, Rome 02./03.12.2009

## **2010**

134. Extended indication of Dynesis. Master class posterior dynamic stabilization, Luzern 19.03.2010
135. Dynesis late infection. Master class posterior dynamic stabilization, Luzern 19.03.2010
136. Different cement and different clinical application. GRIBOI, Turin 25.-27.03.2010
137. Comparative surgical benefit and characteristics of 3 cervical disc replacement. Korea Spine Arthroplasty Society, 01.-03.04.2010
138. Indicazioni agli approcci anteriori al rachide lombare. Meeting approcci anteriori al rachide dorso-lombare, Asti 07./08.05.2010
139. Kyphoplasty with CACP in traumatic fracture. AO Spine Masters Symposium - Spinal Trauma, Luzern 10./11.06.2010
140. Cement characteristic and application. Vexim Spine Jack Course, Nice 27./28.05.2010
141. Baguera C cervical replacement. 10 years of cervical arthroplasty technology, Köln 18.06.2010
142. Characteristic and different cement indication. 3 Marburger Wirbelsäulensymposium, Marburg 18.09.2010
143. Le challenge de la prothèse cervicale: que choisir ? Les journées d'Evian, Evian 10.-12.09.2010
144. Update sur le Yoda. Les journées d'Evian, Evian 10.-12.09.2010
145. Behandlung der Lumbalgien. Ops-Personal Ausbildung, Nottwil 10.10.2010
146. Baguera C: Clinical and radiological results up 2 years. Asia Pacific Cervical Spine Society, Sydney 03.-06.11.2010
147. MRI results of 3 differents cervical device. Asia Pacific Cervical Spine Society, Sydney 03.-06.11.2010
148. Biomechanical characteristic of cervical disc replacement. AO Spine Masters Symposium - Degenerative Spine, Dubai 18./19.11.2010
149. Indication in lumbar disc replacement. AO Spine Masters Symposium - Degenerative Spine, Dubai 18./19.11.2010
150. Complication management of cervical and lumbar disc replacement. AO Spine Masters Symposium - Degenerative Spine, Dubai 18./19.11.2010

## **2011**

151. Cervical disc replacement biomechanics characteristic. SCCOT IV Curso internacional de actualizacion en patologia de columna, Cartagena (Colombia) 03.-05.02.2011
152. Baguera C cervical disc. SCCOT IV Curso internacional de actualizacion en patologia de columna, Cartagena (Colombia) 03.-05.02.2011
153. Posterior dynamic stabilisation with Yoda. SCCOT IV Curso internacional de actualizacion en patologia de columna, Cartagena (Colombia) 03.-05.02.2011
154. Kyphoplasty in traumatic fractures. SCCOT IV Curso internacional de actualizacion en patologia de columna, Cartagena (Colombia) 03.-05.02.2011
155. Long term prognosis of lumbar and cervical disc arthroplasty: the problem of revision. Annual Congress Swiss Society of Neurosurgery, Bern 17.03.2011
156. C0-C2 lesioni traumatiche: Trattamento chirurgico. Rachide cervicale, Cioccaro di Penango (Italy) 15./16.04.2011
157. Baguera C: 2y minimum FU of 347 Patients series. SAS, Las Vegas 27.-30.04.2011
158. Yoda a new dynamic interspinous device. Malaysian Orthopadic Association, Kuala Lumpur 22.-24.05.2011
159. Yoda dynamic system technique and first results. XII Congreso Nacional AMCICO, Cancun 23.-25.06.2011
160. Baguera C: 3y results. XII Congreso Nacional AMCICO, Cancun 23.-25.06.2011
161. Cas Clinique. Journée Léman Spineart, Lausanne 17.09.2011
162. Different cements and clinical application: 5. Symposium Vertebroplastie/Kyphoplastie, Potsdam 23.09.2011

## **2012**

163. Dynamic posterior stabilization with Yoda: concept and first results. RomeSpine, Rome 06./07.12.2012
164. Percutaneous posterior fusion with the D-Trax TM system: first experience. ISMISS, Zurich 26./27.01.2012
165. Discal repair, first swiss clinical experience with Barricaid TM. ISMISS, Zurich 26./27.01.2012
166. Traumatic vertebral fracture treated with Spinejack. Journée scientifique vétebroplastie, Paris 10.02.2012
167. Dorsaler medianer und Wiltse Zugang. Zugänge zur und in die Wirbelsäule, Bern 09.-11.02.2012
168. Disc arthroplasty, pros and cons. Neuro Spine, Bern 22.03.2012
169. Cervical and MIS TL solution. Warwickhire 17./18.02.2012
170. Metastasi vertebrali. Cioccaro di Penago 04./-05.05.2012
171. La socio-iliaca: trattamento mini –invasivo con I-Fuse. Reggio di Calabria 10./11.05.2012
172. Preliminary clinical results of PAD system. Workshop Spineweek, Amsterdam 28.05.-01.06.2012
173. Preliminary experience with Romeo-PAD rigid spinous system for lumbar degenerative disease. SIACCO, Palermo 06.-08.06.2012
174. Dynamic posterior stabilization with Yoda: Concept and first 2y results. SIACCO, Palermo 06.-08.06.2012
175. I-Fuse system: A surgical treatment of SIJ disruption and dysfunction. SIACCO, Palermo 06.-08.06.2012
176. Percutaneous posterior fusion with the D-TRAX system: first experience. SIACCO, Palermo 06.-08.06.2012
177. Clinical and radiological outcomes on a series of 249 patients treated with single and multilevel Baguera C cervical disc replacement at 2y FU. SIACCO, Palermo 06.-08.06.2012
178. Traumatic fractures treated with Spinejack. Expert symposium Vexim, Firenze 29./30.06.2012
179. Preliminary experience with Romeo PAD system. Praha do Forte (Brazil) 16.-18.08.2012
180. Workshop PAD and Yoda. Praha do Forte (Brazil) 16.-18.08.2012
181. 10 y Results of balloon kyphoplasty in traumatic fractures. 4. Marburger Wirbelsäulensymposium, Marburg 22.09.2012
182. 10 y experience with lumbar TDR Prodisc-L. 14. International Symposium Total Disc, Zürich 28./29.09.2012
183. Interfuse VTI a modular cage. Rome Spine, Rome 06./07.12.2012
184. Percutaneous ISJ stabilization with I-fuse. Rome Spine, Rome 06./07.12.2012
185. Indication and limitation of ISPF. Rome Spine, Rome 06./07.12.2012
186. Romeo 2 Pad. Rome Spine, Rome 06./07.12.2012

## **2013**

187. Revival of total disc arthroplasty despite dwindling numbers. Neuro Spine, Bern 14.03.2013
188. 10 years results after kyphoplasty and CPC cement. SIACCO, Buenos Aires 20.-24.03.2013
189. Traumatisme de la colonne. 16. Journée Romande de Médecine d'urgence hospitalière, Fribourg 18.04.2013
190. Infezioni del rachide: Inquadramento infezioni del rachide ed angiomi vertebrali. Cioccaro di Penago 03./04.05.2013
191. Artroplastica lombare: risultati di uno studio prospettico con follow up a 10 anni. Bologna 16.-18.05.2013
192. Overview of bone cement used in VCF. Expert Symposium Vexim, 24.05.2013
193. Percutaneous posterior fusion with D-Trax, technique and clinical 2y experience. Guanajuato (Mexico) 04.-07.12.2013
194. Traumatic fracture type A treated percutaneous with standalone Spinejack: technique and 4 years experience. Guanajuato (Mexico) 04.-07.12.2013

## **2014**

195. Maestretti G. : Prise en charge chirurgicale des pathologie de la colonne lombaire ; Journée de l'antalgie, 23.1.14 Fribourg
196. Maestretti G. : Fractures traumatiques traité par cyphoplastie avec Spinejack : résultats à 1 an de l'étude prospectif multicentrique ; 6eme Journée Actualités Vertébroplastie et expansion vertébrales, 31.1.2014 Paris
197. Maestretti G. : Fixation lombaire avec Facet Wedge :indication technique et premier résultats ; Work shop facet wedge, 14.2.2014 Rome
198. Maestretti G. : 10 Jahren Resultate der Lumbale Prothesen ; Neuro Symposium, 20.03.2014 Bern
199. Maestretti G. : Cervical disc replacement with Baguera ; International course and cadaver lab, 24-26.4.2014 Dubai
200. Maestretti G. : Romeo PAD: concept biomechanics and 2 years results ; International course and cadaver lab, 24-26.4.2014 Dubai
201. Maestretti G. : Traitement des fractures vertébrales dans les personnes âgées ; La chirurgia vertebrale nell'anziano, 9-10.05.2014, Cioccaro di Penago (AT)
202. Maestretti G. : To fuse or not to fuse ; IV World Congress of Minimally Invasive Spine Surgery and Technique, 13-15.06.2014, Paris
203. Maestretti G. : Results from a prospective multicentric study on the use of Spinejack for traumatic vertebral compression fracture treatment; IV World Congress of Minimally Invasive Spine Surgery and Technique, 13-15.06.2014, Paris

204. Maestretti G. : Results from a prospective multicentric study on the use of Spinejack for traumatic vertebral compression fracture treatment; Congreso Nacional AMCICO 11-15.09.2014, Tuxtla Gutiérrez Mexico
205. Maestretti G. : Cervical arthroplastic with Baguera C : 3 years results of a multicentric prospective study; Congreso Nacional AMCICO 11-15.09.2014, Tuxtla Gutiérrez Mexico
206. Maestretti G. : Results from a prospective multicentric study on the use of Spinejack for traumatic vertebral compression fracture treatment; 6 Marburger \_postdamer Update Vertebroplastie Symposium , 20.09.2014 Marburg
207. Maestretti G. : Kyphoplasty with CaCP: 10 years results of a prospective study; ; 6 Marburger \_postdamer Update Vertebroplastie Symposium , 20.09.2014 Marburg
208. Maestretti G. : Complication after Kyphoplasty; Interactive spine summit, 17-19.10.2014, Bordeaux
209. Maestretti G. : Protesi di disco lombari : errori; 5 edizione Aspetti innovativi in chirurgia vertebrale ; 4-5.12.2014 Bologna

## **2015**

210. Maestretti G. : Lumbar TDR complications; SCOT 10 edition, Cartagena (Colombia), 29.01-30-1.2015
211. Maestretti G. : Scarlet a new cervical fusion device; SCOT 10 edition, Cartagena (Colombia), 29.01-30-1.2015
212. Maestretti G. : Etude observationelle du SpineJack dans les fractures dans les fractures vertébrales traumatique par compression-Suivi à 12 mois, Neurochirurgie SFCR, Nantes, 25.3.2015
213. Maestretti G. : Kyphoplastien mit Spinejack in traumatische Wirbel Frakturen, BOUT , Bonn 8-9.05.2015
214. Maestretti G. :Lumbal TDR: 10 Jahren Resultaten , BOUT , Bonn 8-9.05.2015
215. Maestretti G. : SJS 10 y after TDR: the importance of spinopelvic alignment, GIS, Roma, 14-16.05.2015
216. Maestretti G.: Spine Jack use in A3 fractures management-2year results from a trauma registry, Expert meeting, Montecarlo, 18-19.09.2015

## **2016**

217. Maestretti G. : Fratture traumatiche da compressione trattate con sistema di espansione vertebrale: risultati di uno studio prospettivo multicentrico a 1 anno, GIS, Firenze 5-7.5.2016
218. Maestretti G. : FLBP il ruolo della chirurgia ; La chirurgia di revisione nella patologia traumatica e degenerativa del rachide dorso-lombare, Cioccaro di Penago 20-21.5.2016
219. Maestretti G. : Trattamenti percutanei delle fratture traumatiche tipo A, SOTIMI, Alghero 27-28.5.2016
220. Maestretti G. : Vertebral augmentation vs surgery; Sardinia Spine 2016, Cagliari 30.6-2.7.2016
221. Maestretti G. : A prospective multicentric observational study on the use of intravertebral implants for traumatic vertebral compression fractures, SGS ,Basel 26.08.2016

## **2017**

222. Maestretti G. : Anatomie cervicale chirurgica; La giunzione cranio-vertebrale e la chirurgia pediatrica, Cioccaro di Penago, 28-29.04.2017
223. Maestretti G. : Traitement des fractures traumatiques ; Les chirurgies complexes du rachis, Barcelona 21-22.10.2017
224. Maestretti G. : Review of 15 years experiences in VCF treatments, VCF expert meeting 2017, 3-4 Chantilly
225. Maestretti G. :Tektona biomechanical study, VCF expert meeting 2017, 3-4 Chantilly
226. Maestretti G. :Upgrade of cement to use in VCF, VCF expert meeting 2017, 3-4 Chantilly
227. Maestretti G. : What is the significance of sagittal balance in your daily activity?, Spine round table, 7-8.12 Moscow
228. Maestretti G. : XLIF approach for ASD, Spine round table, 7-8.12 Moscow
229. Maestretti G. : MIS approach for ASD ,Spine round table, 7-8.12 Moscow

## **2018**

230. Maestretti G. :Vertebral burst fractures-Do the possibility to use effective MIS procedure change significantly the effectiveness and timing in burst fractures surgical treatment, Piatek, Poland, 23-24.2.
231. Maestretti G. : Optimal cements and cement volumes to use in spine trauma, Piatek, Poland, 23-24.2.
232. Maestretti G. : L'approccio chirurgico retroperitoneale anteriore tecnica e rischi, giornate di chirurgia spinale, Cioccaro di Pennago 20-21.04.2018
233. Maestretti G.: Le tecniche di augmentation nel trattamento delle fratture da fragilità: sono sufficienti; SICV &GIS ; Cagliari 10-12.05.2018
234. Maestretti G.Augmentation vertebrale : esistono alternative al cemento ?; SICV &GIS ; Cagliari 10-12.05.2018
235. Maestretti G.: Vertebral augmentation:comparison between differents techniques; Sardinia spine, Cagliari 15-16.6.
236. Maestretti G.:I cementi ossei; Sardinia spine, Cagliari 15-16.6.

237. Maestretti G. : Burst fracture and MIS treatment; News Horizons in cementation techniques for fractures of thoraco lumbar spine; University Spital Zurich, 29.6.
238. Maestretti G. : Burst fractures surgical indication, Giornata di aggiornamento traumatologia, Torino 20.10.
239. Maestretti G. : Differenti cementi e le loro indicazioni nel augmentation vertebrale, SINC, Bari 9-12.11.
240. Maestretti G. : XLIF approach for ASD, Spine round table, 14.12 Moscow
241. Maestretti G. : MIS in burst fractures : indications and technique, Spine round table, 7-8.12 Moscow

### **2019**

242. Maestretti G. : TDR complications and revision strategy, Neurospine, 28.02.19 Bern
243. Maestretti G. : BWS und LWS Frakturen wann muss operiert werden , WS Symposium, 09.02.19 Stuttgart
244. Maestretti G. : Entwicklung der Zementaugmentations-techniken bei BWS frakturen, WS Symposium, 06.04.19 Frankfurt
245. Maestretti G. : Nuove frontiere nel trattamento delle fratture dorso lombari, Chirurgia vertebrale 12 edizione, 10-11.05.19 Cioccaro.

### **2020 COVID**

- 246: Maestretti G: Scarlet L; Video conférence Triple Saudi Spine Riyadh, 08.11.20.

### **2021 COVID**

- 247: Maestretti G. :Case presentation: complication after cyphoplastie, Neurospine, 10.06.21 Bern
- 248: Maestretti G. :Presentazione caso complesso cervicale, 02.07.21, Pitfalls in spinal surgery, Cioccaro
249. Maestretti G. :Biomaterials and bone augmentation procedures, Sardinia Spine 8-10.09.21 Cagliari
250. Maestretti G. :Internal stabilization and posterior fixation for treatment of vertebral fractures. When and Where , Sardinia Spine 8-10.09.21 Cagliari
- 251.Maestretti G. : Limiti dei trattamenti mini invasivi e indicazioni al trattamento chirurgico, Mammi Meeting 13-14.12.21, Cagliari

