

Curriculum vitae

PERSONAL INFORMATION

Carlotta Martini

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✉ martini.carlotta@gmail.com

Sex Female | Date of birth 14 Oct 1983 | Nationality Italian

POSITION

Neurosurgeon, Spine Surgeon

01/11/2018–present

Chief Physician
Martini Centro Medico Lucca (Italy)

13/01/2016–11/03/2020

Neurosurgeon
GSpine4 I.R.C.C.S. Istituto Ortopedico Galeazzi, Milano (Italy)

01/06/2016–Present

Editorial Board Member
European Spine Journal - Springer

2017 to present

EccELearning Module Editor

WORK EXPERIENCE

EDUCATION AND TRAINING

02/10/2002–02/10/2008

Medical Degree EQF level 7
Pisa University, Pisa (Italy)

02/10/2002–14/06/2009

Medical Science Degree EQF level 7
Sant'Anna School of Advanced Studies, Pisa (Italy)

30/06/2009–01/07/2015

Neurosurgical Degree EQF level 8
Neurosurgery Residency Program - University of Pisa, Pisa (Italy)

10/01/2015–10/06/2015

Visiting Fellow
U.O. Chirurgia Vertebrale 2 - I.R.C.C.S., Milano (Italy)

12/01/2013–10/04/2013 Visiting Fellow
Spine Unit of Queens Medical Centre, Nottingham (United Kingdom)

2016/2017 Post-graduate Degree in Spine Surgery
Università di Milano

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills Good communication skills with patients, attitude to team work

Job-related skills

Spine surgery: independent in most surgical procedure for degenerative conditions in cervical, thoracic and lumbar spine. Independent in clinical and surgical management of urgency/emergency surgical procedures. Comfortable use of operative microscope, navigation. Basic skills in idiopathic deformity surgery.

Research skills: clinical science basic skills, reviewer for European Spine Journal, member of the Editorial Board;

Attendance (as a presenter) at conferences and seminars:

- Curso Técnicas Modernas e Avanços da Cirurgia da Coluna Vertebral, Ribeirao Preto novembre 2019
- BISS Brussels International Spine Symposium 2019 “Indirect decompression in lateral approach” novembre 2019
- BISS Brussels International Spine Symposium 2018 “Cervical myelopathy”
- Global Spine Congress 2017
- Global Spine Congress 2016
- GIS 2015, oral communication: "Classification of degenerative segment disease in adults with deformity of the lumbar or thoracolumbar spine" P. Berjano, R. Cecchinato, C. Martini, M. Damilano, M. Ismael, A. Sinigaglia, C. Lamartina IRCCS Galeazzi, Milano
- Sinch 2014, oral communication: "Sagittal balance lombare e outcome clinico - esperienza di un singolo centro" C. Martini, E. Pieracci, A. Peluso, L. Lutzemberger, P. Lepori
- Britspine 2014, oral communication: "Multi-level anterior Cervical discectomy and fusion: clinical and radiological outcomes". Martini C, Khurana A, Boszczyk BM, Tsegaye M, Queens Medical Centre, Nottingham, United Kingdom
- Eurospine 2013, oral communication: "Incidence of the level/ side of lumbar disc herniation and complications - is there a difference between consultants and their trainees?" Hoda Mohajer- Bastami, Carlotta Martini, George Arealis, Masood Shafafy, Nasir A Quraishi, Hossein Mehdian Queens Medical Centre, Nottingham, United Kingdom
- CARS2012, poster: "3T versus 1.5T magnetic resonance imaging: impact on surgical time

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and short-term outcome of subthalamic nucleus deep brain stimulation in Parkinson disease"

- Italian Society of Neurosurgery 2011, poster: "Anomalous evolution-involution of a cerebellar dysplastic gangliocytoma on MRI follow-up"

Attendance at congress, courses and seminars:

- BISS symposium 2019
- BISS symposium 2018
- BISS symposium 2017
- Global Spine Congress 2016

Faculty training Course AOSpine, Verona 4 dicembre 2015

- 12-13 novembre 2015: AOSpine Masters Symposium—Secondary Deformities after Spinal Injuries, Belrin, Germany

• 14-16 maggio 2015: 38° congresso della Società Italiana Chirurgia Vertebrale e Gruppo Italiano Scoliosi, Roma

• 4-5 dicembre 2014: 5° edizione del congresso della Associazione Artroplastica Vertebrale Italiana "Aspetti Innovativi in Chirurgia Vertebrale", Bologna

• 30 ottobre-1 novembre 2014: Advanced Skull Base Microanatomy and Hands-on Dissection Course, Homer Stryker Center, Mahwah, New Jersey

• 25-27 settembre 2014: 63° Congresso Nazionale Società Italiana Neurochirurgia, Vicenza

• 12 luglio 2014: "First Training Spinal System", Livorno

• 25-26 giugno 2014: AOSpine Advanced Specimen Course (AMTS)_BMuttentz, Switzerland

• 21-22 giugno 2014: "Practical Microoperative technique, Microanatomy and Instrumentation in

contemporary Cerebrovascular Skull base Surgery" Fukushima Brain Institute and INERF (International Neurosurgery Education and Research Foundation) Pisa

• 8 febbraio 2014: "Una demenza trattabile: l'idrocefalo normoteso" Pisa

• 10-12 ottobre 2013: 62° Congresso Nazionale Società Italiana Neurochirurgia, Palermo

• 8-9 novembre 2013: AOSpine Principle Course - Patologia degenerativa traumatica della colonna vertebrale - Torino

• 27-28 giugno 2013: AOSpine Principle Specimen Course _ALucerne, Switzerland

• 4-5 aprile 2013: Corso avanzato per Specializzandi e Medici Specialisti "Scoliosi degenerativa

dell'adulto e stenosi del canale vertebrale lombare", Clinica Neurochirurgica Università politecnica delle Marche, Ospedali Riuniti di Ancona

• 20-23 maggio 2012: "1st International Congress on Minimally Invasive Neurosurgery" con corsi pregresso "Neuroendoscopy" e "Instructional Course for Young Neurosurgeons", Firenze

• 15-17 settembre 2011: "VII corso teorico-pratico di chirurgia strumentata del Rachide Cervicale", Vienna

• 12-13 settembre 2011: "Fracture Management in the TL-spine", Torino

• 5-7 giugno 2011: 60° Congresso Nazionale Società Italiana Neurochirurgia, Firenze

• 19-20 maggio 2011: "I corso teorico-pratico di Chirurgia Vertebrale per Specializzandi in Neurochirurgia", Clinica Neurochirurgica Università politecnica delle Marche, Ospedali Riuniti di Ancona

• 4-6 maggio 2011: "L'autopsia neurologica dell'adulto e feto-neonatale", Pisa

Publications in peer- reviewed journals:

- 1: Martini C, Langella F, Mazzucchelli L, Lamartina C. Revision strategies for failed adult spinal deformity surgery. *Eur Spine J.* 2020 Feb;29(Suppl 1):116-125. doi: 10.1007/s00586-019-06283-9. Epub 2020 Jan 11. PMID: 31927623.

- 2: di Russo P, Tascini C, Benini ME, Martini C, Lepori P.
C1-C2 arthrodesis after spontaneous *Propionibacterium acnes* spondylodiscitis: Case report and literature analysis.
Surg Neurol Int. 2018 Jan 22;9:14. doi: 10.4103/sni.sni_96_17. PMID: 29497567; PMCID: PMC5806422.

- 3: Galbusera F, Bassani T, Stucovitz E, Martini C, Ismael Aguirre MF, Berjano PL, Lamartina C.
Surgical treatment of spinal disorders in Parkinson's disease.
Eur Spine J. 2018 Feb;27(Suppl 1):101-108. doi: 10.1007/s00586-018-5499-y. Epub 2018 Feb 3. PMID: 29397444.

- 4: Colombo L, Martini C, Bersanini C, Izzo F, Villafañe JH, Berjano P, Lamartina C. Effects of magnetically controlled growing rods surgery on pulmonary function in young subjects with spinal muscular atrophy type 2 and other neuromuscular scoliosis. *J Neurosurg Sci.* 2020 Jun;64(3):253-257. doi:10.23736/S0390-5616.17.04052-8. Epub 2017 May 31. PMID: 28565896.

- 5: Cecchinato R, Redaelli A, Martini C, Morselli C, Villafañe JH, Lamartina C, Berjano P. Long fusions to S1 with or without pelvic fixation can induce relevant acute variations in pelvic incidence: a retrospective cohort study of adult spine deformity surgery. *Eur Spine J.* 2017 Oct;26(Suppl 4):436-441. doi: 10.1007/s00586-017-5154-z. Epub 2017 May 29. PMID: 28555312.

- 6: Piazzolla A, Solarino G, Bizzoca D, Montemurro V, Berjano P, Lamartina C, Martini C, Moretti B. Erratum to: Spinopelvic parameter changes and low back pain improvement due to femoral neck anteversion in patients with severe unilateral primary hip osteoarthritis undergoing total hip replacement. *Eur Spine J.* 2018 Jan;27(1):135. doi: 10.1007/s00586-017-5092-9. Erratum for: *Eur Spine J.* 2018 Jan;27(1):125-134. PMID: 28451860.

- 7: Piazzolla A, Solarino G, Bizzoca D, Montemurro V, Berjano P, Lamartina C, Martini C, Moretti B. Spinopelvic parameter changes and low back pain improvement due to femoral neck anteversion in patients with severe unilateral primary hip osteoarthritis undergoing total hip replacement.
Eur Spine J. 2018 Jan;27(1):125-134. doi: 10.1007/s00586-017-5033-7. Epub 2017 Mar 16. Erratum in: *Eur Spine J.* 2017 Apr 28;: PMID: 28303384.

- 8: Szpalski M, Berjano P, Ismael M, Martini C, Cecchinato R, Lamartina C.
Worldwide excellence in evidence. *Eur Spine J.* 2016 Dec;25(12):3857-3858. doi: 10.1007/s00586-016-4862-0. PMID: 27832359.

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9: Perrini P, Gambacciani C, Martini C, Montemurro N, Lepori P. Anterior cervical corpectomy for cervical spondylotic myelopathy: Reconstruction with expandable cylindrical cage versus iliac crest autograft. A retrospective study.

Clin Neurol Neurosurg. 2015 Dec;139:258-63. doi: 10.1016/j.clineuro.2015.10.023.

Epub 2015 Oct 20. PMID: 26528885.

10: Berjano P, Cecchinato R, Sinigaglia A, Damilano M, Ismael MF, Martini C,

Villafañe JH, Lamartina C. Anterior column realignment from a lateral approach for the treatment of severe sagittal imbalance: a retrospective radiographic study. Eur Spine J. 2015 Apr;24 Suppl 3:433-8. doi: 10.1007/s00586-015-3930-1.z

Epub 2015 Apr 17. PMID: 25893333.

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Independent user	Independent user

Digital competences - Self-assessment grid