

Curriculum Vitae

Christian Capuano MD

Senior Spine Consultant Neurosurgery

Date / place of birth: 20 March 1975, Termini Imerese (PA), Italy

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Spine Health - Medical office

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Consulting Spinal Neurosurgeon at:

Casa di Cura Villa Berica,(VI),

Casa di Cura Città di Bra, (CU)

Clinica Le Betulle, Appiano Gentile (CO)

Casa di Cura San Camillo, Milano (MI)

Clinica Isber, Varese (VA)

Paideia International Hospital Roma (RM)

Education

- Classical High School Maturity 1989
- University degree in Medicine and Surgery, University of Palermo, Italy, 21 July 2000, Grade: 110/110 with honours Degree thesis: "*Anatomical and clinical sequelae of brain stem lesions caused by herniated uncus*"
- Qualifying examination: Medicine and Surgery, University of Palermo, Italy, 2001
- Professional License Italian Physicians Registry: 31 May 2001
- Neurosurgical Resident Fellow, Neurosurgery Department of Harvard Medical School, under Dr. Robert Martuza, Massachusetts General Hospital, Boston, (USA), 18 January-25 April 2005
- Specialisation Degree in Neurosurgery at University of Florence, Italy, 17 November 2005, Grade: 70/70 with honours Specialisation thesis: "*Surgical treatment of non-reducible ventral compression in the malformation of the cranial-cervical junction*"

Awards

- Winner of public examination for hospital directorship: Neurosurgical Chief, Sant' Anna Hospital, Como, Italy (September 2005-September 2006)

Membership in Medical Associations

- Society of Advanced Spine Management
- Italian Society of Skull Base Surgery
- Italian Society of Hospital Neurosurgery
- Italian Federation of Oxygen-Ozone Therapy (FIO)
- License to practice in Switzerland: GLN 7601000979728; Awarded in Bern, 18 September 2013

Professional experience

- Member of Scientific Committee, Spineart Scientific Committee
- 1/2016 - present Private medical practice treating spinal pathologies
- 9/2005 - 1/2016 Director and Consultant, Neurosurgery Department, Sant' Anna Hospital, Como, Italy
- Since 2010 he has dedicated himself exclusively to spinal surgery, including Awake spinal surgery and spinal endoscopy techniques. He has performed over 4500 operations as the primary surgeon and over 3000 cervical, thoracic and lumbar spine operations with the posterior approach or anterior-posterior combined approach

Expertise

Surgical skills pertaining to degenerative diseases of the spine (herniated discs, spondylosis, spondylolisthesis, spinal stenosis, etc.), of both neoplastic and traumatic origin

- Traumatic and degenerative atlanto-axial and cranio-cervical junction surgery
- Minimally invasive spinal surgery
- Traumatic and degenerative percutaneous spinal surgery
- Treatment of pain with: Vertebroplasty and kyphoplasty, radio frequency of medial branch of cervical, dorsal and lumbar primary posterior branch, radio frequency of spinal dorso-cervicolumbar root ganglion, diagnostic blocks of medial branches and CRD

- Peripheral surgery for degenerative and tumour pathologies
- First worldwide combined surgery operation on patient over 60 presenting a degenerative pathology "Hip-spine syndrome", May 2021
- Spine Health – Spine center of Christian Capuano - Is Recognized as an excellent center for SPINEART, CEO Executive Committee , Jeron Trividie, 2024

Language and communication skills

- English level B2
- Excellent abilities based on many years of experience with patients and medical staff
- Outstanding organisational skills based on hospital department management and direction, and collaboration on individual and group research projects

Publications

- S. Bellocchi, S. Vidale, M. Grobberio, S. Turati, C. Capuano, P. Casiraghi, M. Arnalboldi, R. Caronno, A. Taborelli: "Carotid thromboendarterectomy: Protective benefits from cerebrovascular events and cognitive improvements", 60th National Congress of the Italian Neurosurgery Society, Florence, Italy, 5-7 June 2011.
- C. Capuano, F. Zenga, S. Bellocchi, L. Colombo, A. Taborelli: "Surgical treatment combined with post-traumatic gigantic frontal mucocele", 57th Congress Italian Society of Neurosurgery, Udine, Italy, 6-8 November 2008 – Joint meeting with the Japan Neurosurgical Society.
- S. Bellocchi, C. Capuano, L. Macinante, S. Vidale*, M. Arnalboldi*, A. Sironi**, A. Taborelli: "The complete treatment of carotid pathologies: Our experience", 56th Congress Italian Society of Neurosurgery, Rome, Italy, 24-26 June 2007.
- G. Tabaracci, C. Capuano: "Clinical effects of oxygen-ozone treatment on cervical and lumbar hernias". International Journal of Ozone Therapy, No. 6, 2007; pp. 105-109.
- G. Tabaracci, C. Capuano: "Treatment of herniated discs: Surgery versus oxygen-ozone therapy. A cost analysis." International journal of ozone therapy No. 6, 2007: pp. 105-109.
- Bellocchi S., Vidale S., Capuano C., Peroni R., Arnalboldi M., Taborelli A.: "A multidisciplinary approach to invasive treatment of carotid stenosis. The experience of Sant' Anna Hospital in Como", 47th Congress Society of Hospital Neurosurgery, Turin, Italy, 14-17 November 2007.
- S. Bellocchi, F. Zenga, C. Capuano, L. Macinante, A. Di Francesco, P. Ronchi, A. Taborelli: "Custom-made implants in the reconstruction of non-extant cranial bones: Our experience", 55th Congress Italian Society of Neurosurgery. Sorrento, Italy, 19-22 November 2006.
- Capuano, C. Costagliola, C. Shamsaldin, M. Maleci, A. Di Lorenzo, N.: "Occipital condyle fractures: a hidden nosologic entity. An experience of 10 cases", Acta Neurochirurgica, No. 146, 2004, pp 779-784.
- M. Pulidori, C. Capuano, H. Mouchaty, F. Cioffi, N. Di Lorenzo: "Intramuscular thrombosed arteriovenous hemangioma of the upper right arm mimicking a neuroma of the ulnar nerve: case report", Neurosurgery, No. 54, 2004: pp. 770-772.
- P. Conti, G. Pansini, H. Mouchaty, C. Capuano, Renato Conti: "Spinal Neurinomas: retrospective analysis and long-term outcome of 179 consecutively operated cases and review of the literature", Surgical neurology, 2004: No. 61: pp. 35-44.
- C. Capuano, N. Desogus, H. Mouchaty, A. Maleci, N. Di Lorenzo: "Surgical treatment of cervical spondilogenetic plurisegmental myelopathies. Considerations of a homogeneous series of 80 cases treated anteriorly", XVII Minerva Chirurgica Vol. 59. Suppl. 1, No. 2, April 2004: p. 102.

- H. Muchaty, B. Spacca, E. Guidi, C. Capuano. "Treatment of thorax and lumbar spine fractures: what is the best time? Our experience", *Minerva Chirurgica* Vol. 59. Suppl. 1, No. 2, April 2004: p. 245.
- Shamsaldin M, Desogus N, Pulitori M, Capuano C, Conti R.: "Benign neoplasias of C2", 53rd National congress of the Italian neurosurgery society, Milan, Italy, 21-24 November 2004.
- Pulidori M, Spacca B, Capuano C, Pansini G, Perrini P: "Forestier syndrome; a rare cause of dysphagia. A description of two cases", 53rd National Congress of the Italian Neurosurgery Society, Milan, 21-24 November 2004.
- Capuano C, Costagliola C, Shamsaldin M, Romoli S, Maleci A: "Fractures of the occipital condyles: a hidden nosological entity. Our experience with 10 cases", 53rd National Congress of the Italian Neurosurgery Society, Milan, 21-24 November 2004.
- Costagliola C, Capuano C, Mouchaty H, Conti R, Di Lorenzo N: "Synchronous transoral decompression and posterior fusion in cranial-cervical junction malformations. An experience based on 30 cases operated during the last 6 years", 12th European Congress of Neurosurgery, Lisbon, Portugal, September 2003.
- Capuano C, Costagliola C, Conti P, Cioffi F, Di Lorenzo N: "Fractures of the occipital condyles: a hidden nosological entity. Our experience with 10 cases", 12th European congress of neurosurgery, Lisbon, Portugal, September 2003.
- C. Capuano, M. Shamsaldin, N. Benedetto, M. Pulitori, N. Di Lorenzo: "Cervical posterolateral approach with rotation of spinal medulla for the treatment of cervical metastatic intramedullary lesions", 52nd National congress of the Italian neurosurgery society, San Giovanni Rotondo, Italy, 9-12 November 2003.
- N. Desogus, E. Guidi, C. Capuano, F. Cioffi: "Paraparesis as sole symptom of a depressed fracture at skull vertex", 52nd National congress of the Italian neurosurgery society, San Giovanni Rotondo, Italy, 9-12 November 2003.

Congresses and courses

- XVI Course for Young Neurosurgeons. Pomezia, Italy, 9-11 June 2002
- Theoretical-Practical Session at XVI Course for Young Neurosurgeons: Opening the skull with high-velocity drill and closure of cranial bone flaps with Bioplate products - application of high-velocity drill in spinal surgery: open-door technique - fusion of anterior cervical spine with bone plug sample and monocortical plaques", (Coordinator, Dr. G. Corriero) Pomezia, Italy, 9-11 June 2002
- 52nd National Congress of the Italian Neurosurgery Society, San Giovanni Rotondo, Italy, 9-12 November 2003, *Speaker*
- 53rd National Congress of the Italian Neurosurgery Society, Milan, Italy, 21-24 November 2004, *Speaker*
- "Global Treatment of Acute Traumatized Vertebral-Medulla", Florence, Italy, 23-24 January 2004
- "Vertebral-Medulla Traumas - prevention and management of medical treatment", Ancona, Italy, 12 March 2004
- "Neurosurgical Pathologies. Decision making: a modular treatment for every single patient" Florence, Italy, 21 June 2004
- "Cerebral tumours: diagnosis, treatment and new perspectives", Florence, Italy, 7 February 2005
- "Multidisciplinary surgical treatment of an acoustic neurinoma", Como, Italy, 4 April 2006
- "Rome spine 2006: Minimally-invasive spinal treatments", Rome, Italy, 29-30 November 2006, *Speaker*

- Expansive spinal lesions: new therapeutic approaches”, Centro diagnostico italiano, Fondazione I.R.C.C.S. – Istituto neurologico “Carlo Besta”, Milan, Italy, 18 November 2006
- III Theoretical-practical course in instrumented cervical spinal surgery, Vienna, Austria, 20-22 September 2007
- AMS group European meeting - Optimesh & TRANS1 & Duraseal XACT, Lugano, Switzerland, 26-27 October 2007
- “Cranial-maxilla-facial traumatology”, Ospedale riuniti di Bergamo, Italy, 10 November, 2007
- “AXIALIF Surgical training workshop”, Zolle, Holland, 11-12 April 2008
- “Hydrocephalus in the elderly: a curable dementia”, Como, Italy, 6 April 2009
- “Advanced skull base microanatomy workshop and hands-on dissection course”, 8-10 May 2008, Anspach companies laboratory, Palm Beach, Florida (USA). Director of course: Takanori Fukushima, M.D., D.M.Sc., Co-director international neurosurgery education foundation, Director Carolina neuroscience institute
- “Serious cranial trauma”, Como, Italy, 17 May 2008, *Speaker*
- “Advanced skull base surgery: Italian skull base dissection course “Fukushima style”, Menaggio, Italy, 2-5 October 2008, *Faculty*
- “International conference on spine and rehabilitation”, Milan, Italy, 6-8 October, 2008 *Speaker*
- “A multidisciplinary approach to patients with medulla lesions”, Como, Italy, 15 November 2008, *Speaker*
- “Workshop on skull base lateral, medial and posterior approaches”, Naples, Italy 1-3 December 2008
- International meeting spine & biologics, Castiglione della Pescaia, Italy, 6-8 March 2009, *Speaker*
- “Serious cranial trauma”, managing the acute phase and medium- and long-term followup”, Como, Italy, 17 May 2008, *Speaker*
- “Advanced skull base surgery, III course: Italian skull base dissection course “Fukushima style”, Menaggio, Italy, 27-28 September 2009, *Faculty*
- “Advanced skull base microanatomy workshop and hands-on dissection course”, Anspach companies laboratory, Palm Beach, Florida (USA). Director: Takanori Fukushima, M.D., D.M.Sc., Co-director international neurosurgery education foundation, Director, Carolina neuroscience institute, 29-31 October 2009
- “Anterior approaches to the dorsal-lumbar spine”, Como, Italy, 7-8 May 2010
- Advanced skull base surgery, IV course: Italian skull base dissection course “Fukushima-style”, Menaggio, Italy, 9-12 May 2010, *Faculty*
- “Cervical spine surgery advanced dissection course”, Menaggio, Italy, 12-13 May 2010
- “Advanced skull base microanatomy workshop and hands-on dissection course”, Anspach companies laboratory, Palm Beach, Florida (USA). Director: Takanori Fukushima, M.D., D.M.Sc., Co-director international neurosurgery education foundation, Director, Carolina neuroscience institute, 18-20 November 2010
- 51st National congress of the Italian neurosurgery society, Cagliari, Italy, 18-21 November 2011, *Speaker*
- “Advanced skull base surgery, V course: Italian skull base dissection course “Fukushima style”, Menaggio, Italy, 26-28 September 2010, *Faculty*
- “Pain in orthopaedics”, Pollenzo di Bra, Italy, 18-19 November 2011, *Speaker*
- “The degenerative lumbar spine: a focus on classic and new solutions”, Brindisi, Italy, 22-23 June 2012, *Speaker*

- “Advanced skull base surgery, VI course: Italian skull base dissection course “Fukushima style”, Menaggio, Italy, 12-13 September 2012, *Speaker*
- “Cervical spine surgery advanced dissection course”, Menaggio, Italy, 23-24 September 2012, *Speaker*
- Skull base surgery “carotid cave”, VII course, Menaggio, Italy, 19-21 September 2013, *Speaker*
- Cervical spine surgery advanced dissection course, Menaggio, Italy, 21-22 September 2013, *Faculty*
- “Surgeon to surgeon training” – Dr. Bassani (TM 400) Zimmer Srl, Milan, 27 November 2013
- “The Alphatec spine cadaver lab training”, University of Vienna, 28-30 March 2014
- 13th Spinal surgery advanced symposium (course and workshop), Institut de la colonne vertebrale di Bordeaux, France, 2-4 April 2014
- “Live surgeon to surgeon training” – Dr. Bassani (Anterior lumbar spine approach), Milan, 17 April 2014
- Cervical spine surgery advanced dissection course, Menaggio, Italy, 20-21 September 2014, *Speaker*
- “Hands-on training course – novel techniques in lumbar spine pathologies”, University of Barcelona, Faculty of medicine, Barcelona, Spain, 22-23 May 2014, *Speaker*
- Cervical spine surgery advanced dissection course, Menaggio, Italy, 20-21 September 2014
- XXXVIII National congress of the Italian spine surgery society and Italian scoliosis group, Rome, Italy 14-16 May 2015 *Faculty*
- Cadaveric training course “Endoscopic spinal surgery”, Meducation centre in Multheim/Ruhr, Germany, 11-12 March 2016, in collaboration with Institute of Anatomy, University Heinrich Heine, Dusseldorf, *Faculty*
- Perfection of oxygen-ozone therapy technique, Montichiari, Italy, 16-17 April 2016
- International Eurospine congress 2016, Berlin, Germany, 5-7 October 2016
- International Eurospine congress 2018, Barcelona, Spain, 19-21 October 2018
- Third Yemeni neurosurgical conference, Sanaa, Yemen, 14-16 October 2020, *Guest Speaker*
- Italian spine summit, Bologna, Italy, 19 November 2021, *Moderator*
- Spineart academy, Cadaveric training course, “Microsurgical surgery and mini-invasive approach treating spinal pathologies”, Verona, Italy, 19 September 2022, Course Director
- NASS 37th annual meeting “Global spine care”, Chicago, Illinois (USA), 12-15 October 2022
- Participation al global spine masters deformity big and small: pathways to the future 18-19 april 2024 Rome italy

