

FRANCESCO CERTO

CONTACT INFORMATION

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- ♦ Nationality: Italian
- ♦ Date of birth: 25 November 1983

A.O.U. POLICLINICO "G. RODOLICO - SAN MARCO" CATANIA

- ♦ Address: Viale C.A. Ciampi, 1 - 95121 Catania - Italy
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PROFESSIONAL EXPERIENCE

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| <i>Present</i> | Full time Consultant Neurosurgeon at |
| <i>2017 August</i> | U.O.C. Policlinico "G. Rodolico - San Marco" Catania - Italy |
| <i>2017 July</i> | Neurosurgeon at |
| <i>2016 July</i> | U.O.C. Policlinico "G. Rodolico - San Marco" Catania – Italy |
| <i>2016 July</i> | Voluntary Neurosurgeon at U.O.C. Clinica Neurochirurgica |
| <i>2015 November</i> | dell'A.O.U. Policlinico Vittorio Emanuele – Catania – Italy |
| <i>2014 April</i> | International Fellow in Neurosurgery at "Education and Training |
| <i>2014 January</i> | School" All India Institute of Medical Sciences – New Delhi - India |
| <i>2013 October</i> | International Fellow in Neurosurgery at "Department of |
| <i>2013 July</i> | Neurosurgery" - King Edward Memorial Hospital of – India |
| <i>2013 Marche</i> | Neurosurgery Resident at U.O.C. Neurochirurgia |
| <i>2011 November</i> | A.O.U. Policlinico "Paolo Giaccone" Palermo – Italy |
| <i>2013 Mar.</i> | Neurosurgery Resident at U.O.C. Clinica Neurochirurgica |
| <i>2011 November</i> | dell'A.O.U. Policlinico "Vittorio Emanuele" Catania – Italy |
| <i>2009 May</i> | Voluntary Doctor at U.O.C. Neurochirurgia |
| <i>2008 August</i> | A.O.U. Policlinico "Paolo Giaccone" Palermo – Italy |
| <i>2008 July</i> | Intern medical student at U.O.C. Neurochirurgia |
| <i>2007 January</i> | A.O.U. Policlinico "Paolo Giaccone" Palermo – Italy |

SURGICAL EXPERIENCE

1545 surgical procedures performed after (559 cranial, brain and cranio-vertebral junction surgery and 986 spine surgery). 1018 as first surgeon and 527 as second surgeon or assistant.

538 surgical procedures performed during residency (297 cranial, brain and cranio-vertebral junction surgery and 241 spine and peripheral nerve surgery). 47 as first surgeon (under supervision) and 491 as second surgeon or assistant.

EDUCATION

2020 November	Second Level University Master “Approcci chirurgici alla cerniera cranio-cervicale (cadaver lab sulla chirurgia spinale complessa)” (Catholic University - Roma)
2019 June	International PhD Program in Neurosciences (University of Catania)
2018 October	National graduation as Associate Professor in Neurosurgery (06/E3 Neurochirurgia e Chirurgia Maxillo Facciale - Bando D.D. 1532/2016)
2015 July	Graduation in Neurosurgery (6 years Residency Course) with 70/70 cum laude (University of Catania)
2009 February	Licence to practice Medicine and Surgery (University of Palermo)
2008 August	Corporate Language Training Course (EF) in Professional English – Cambridge (UK)
2008 July	Graduation in Medicine and Surgery with 110/110 cum laude and mention of the Thesis (University of Palermo)
2002 July	High school diploma with 100/110 and honorable mention (Liceo Classico G.B. Impallomeni. Milazzo - ME)

MEDICAL TRAINING

2022 May	EMEA Complex Cervical Instructional Course. Hamburg (Germany)
2019 September	Endoscopic Spine surgery Level 1-2 Workshop. 2-Day Endoscopic Course for Professionals: Transforaminal and Interlaminar Access To the Spine. Karlsruhe (Germany)
2018 November	Live surgery and hands-on navigation in spinal surgery
2017 September	Advanced techniques in cervical spine decompression and Stabilization. Napoli
2017 February	A comprehensive course treating degenerative lumbar disease with extreme lateral interbody fusion. Amsterdam
2016 November	Endoscopic Endonasal and Transcranial Skull Base Approaches: Hands-on Course. Napoli
2015 November	From pituitary to skull base course. Bologna
2015 November	Corso in “Ecografia intraoperatoria in Neurochirurgia”. Milano
2015 November	Complex anterior spinal approaches and complications management course. Hamburg (Germany)
2015 July	Graduation in Neurosurgery (6 years Residency Course) with 70/70 cum laude (University of Catania)
2015 May	Gliolan Training course and licence to use Gliolan in brain tumor surgery. Padova.
2015 April	Midas Rex Hands-on Workshop – Tolochenaz – (Switzerland)
2014 February	16th Workshop in Microneurosurgery – All India Institute of Medical Sciences – New Delhi (INDIA)

2014 January	Workshop in cerebral and ventricular endoscopy: complex endoscopic procedures. Napoli.
2013 November	27° Corso per giovani Neurochirurghi – Pratica di Mare (Roma).
2013 April	V corso di Microchirurgia in diretta di lesioni intracerebrali e utilizzo di tecniche di imaging avanzate. Vicenza
2012 June	AOSpine Principles Course- Degenerative Spine – Milano
2012 June (from)	AoSpine Membership
2012 April	GCP - Good Clinical Practice Guidelines web based training course
2011 December	Surgical Approaches to the Skull Base course – Weill Cornell Medical College, Cornell University – New York (USA)
2010 April	1st AOCMF Neuro Principles Course – Pesaro

TEACHING EXPERIENCE

2015-2022	Voluntary Professor of Neurosurgery. School of Medicine, University of Catania.
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CLINICAL RESEARCH

2016 April (from)	AOCSC Member (AO Clinical Study Center). Neurosurgery Department – University of Catania
2012 May (from)	Investigator for Nycomed - TASALL TachoSil Against Liquor Leak clinical trial. Neurosurgery Department – University of Palermo.
2011 October (from)	Investigator for Efficacy and Safety of Everolimus (RAD0001) in Patients of All Ages With Subependymal Giant Cell Astrocytoma Associated With Tuberous Sclerosis Complex (TSC) (EXIST-1). Neurosurgery Department – University of Catania

HONORS AND AWARDS

2022	Best Abstract in Neuro-oncology – EANS 2022 Congress. Belgrade. Serbia.
2018 May	Best Poster Senior; 41° National Meeting Società Italiana di Chirurgia Vertebrale e Gruppo Italiano Scoliosi (SICV&GIS). Cagliari
2012 October	Best Residents' oral communication; 61° National Meeting Società Italiana di Neurochirurgia (SiNch). Rimini
2008 July	Admission at “Premio di laurea Orestano” University of Palermo
2003 April	“Premio Scolastico Vito Russo 2003” by Rotary Club of Milazzo (ME)
2001 May	“Certamen Peloritanum Sicilia e Calabria 2001” – First place.

PUBLICATIONS IN SCIENTIFIC JOURNALS AND BOOK CHAPTERS

1. Grasso G, Graziano F, Sfacteria A, Carletti F, Meli F, Maugeri R, Passalacqua M, **Certo F**, Fazio M, Buemi M, Iacopino DG. **Neuroprotective effect of erythropoietin and darbepoetin alfa after experimental intracerebral hemorrhage.** Neurosurgery. 2009;65(4):763-9; discussion 769-70.
2. Grasso G, Meli F, Maugeri R, **Certo F**, Costantino G, Giambartino F, Iacopino DG. **Unusual recurrence of trigeminal neuralgia after microvascular decompression by muscle interposal.** Med Sci Monit. 2011;17(4):CS43-6.
3. Grasso G, **Certo F**, Pirrone AG, Iacopino DG. **Clinical Analysis Following Minimally Invasive Treatment of Lumbar Spinal Stenosis with Interspinous Devices: Where We Are and Where We Go.** Global Spine J. 2012; 02 - P05 DOI: 10.1055/s-0032-1319894
4. Grasso G, **Certo F**, Pirrone AG, Iacopino DG. **Cervical Arthroplasty with Prodisc-C System: Our Experience.** Global Spine J. 2012; 02 - P123 DOI: 10.1055/s-0032-1319990
5. Grasso G, **Certo F**, Pirrone AG, Iacopino DG. **Does Erythropoietin and Its Receptor may Play a Role in Human Intervertebral Disk Degeneration?** Global Spine J. 2012; 02 - P88 DOI: 10.1055/s-0032-1319962
6. Barbagallo GM, **Certo F**, Sciacca G, Albanese V. **Bilateral tubular minimally invasive approach for decompression, reduction and fixation in lumbosacral lythic spondylolisthesis.** Neurosurg Focus. 2013;35(2 Suppl):Video 9.
7. Barbagallo GM, **Certo F**, Visocchi M, Palmucci S, Sciacca G, Albanese V. **Disappearance of degenerative, non-inflammatory, retro-odontoid pseudotumor following posterior C1-C2 fixation: case series and review of the literature.** Eur Spine J. 2013;22 Suppl 6:S879-88.
8. Barbagallo GM, Romano D, **Certo F**, Milone P, Albanese V. **Zero-P: a new zero-profile cage-plate device for single and multilevel ACDF. A single Institution series with four years maximum follow-up and review of the literature on zero-profile devices.** Eur Spine J. 2013;22 Suppl 6:S868-78.
9. **Certo F**, Sciacca G, Albanese G, Borderi A, Albanese V, Barbagallo GMV. **Anterior, extracanal, cervical spine osteochondroma associated with DISH: description of a very rare tumor causing bilateral vocal cord paralysis, laryngeal compression and dysphagia. Case report and review of the literature.** Eur Rev Medi Pharmacol Sci. 2014;18(1 Suppl):34-40.
10. Barbagallo GMV, **Certo F**, Visocchi F, Sciacca G, Albanese V. **Double-level cervical total disc replacement for adjacent segment disease: is it a useful treatment? Description of late onset heterotopic ossification and review of the literature.** Eur Rev Medi Pharmacol Sci. 2014;18(1 Suppl):15-23.
11. Barbagallo GMV, **Certo F**, Albanese V, Signorelli F. **Spinal Intradural Vascular Malformations.** Chapter in "The Spine"
12. Barbagallo GMV, **Certo F**, Albanese V. **The impact of complications following cervical spine surgery: a systematic review.** J Neurosurg Sci 2014;58(2 Suppl 1):55-64.
13. Barbagallo GMV, **Certo F**, Albanese V. **Early postoperative extramedullary MRI signal changes after ACDF: misinterpretations can be dangerous and misleading. Case report and review of the literature.** J Neurosurg Sci 2014;58(2 Suppl 1):123-8.
14. **Certo F.** **Advancement and innovation in neurosurgery: a lesson from the "developing" countries.** World Neurosurg. 2014;82(3-4):e568.
15. Barbagallo GM, Piccini M, Alobaid A, Al-Mutair A, Albanese V, **Certo F.** **Bilateral tubular minimally invasive surgery for low-dysplastic lumbosacral lytic spondylolisthesis (LDLLS): analysis of a series focusing on postoperative sagittal balance and review of the literature.** Eur Spine J. 2014;23 Suppl 6:705-13.
16. **Certo F**, Visocchi M, Borderi A, Pennisi C, Albanese V, Barbagallo GM. **Lumbar intervertebral discal cyst: a rare cause of low back pain and radiculopathy. Case report and review of the current evidences on diagnosis and management.** Evid Based Spine Care J. 2014;5(2):141-8.
17. Barbagallo GMV, **Certo F**, Heisse K, Albanese V. **5-ALA fluorescence-assisted surgery in pediatric brain tumors: report of three cases and review of the literature.** Brit J Neurosurg 2014;28(6):750-4.
18. Barbagallo GM, **Certo F**, Visocchi M, Sciacca G, Piccini M, Albanese V. **Multilevel mini-open TLIFs and percutaneous pedicle screw fixation: description of a simple technical nuance used to increase**

- intraoperative safety and improve workflow. Tips and tricks and review of the literature.** Neurosurg Rev. 2015;38(2):343-54; discussion 354.
19. Barbagallo GM, Paratore S, Caltabiano R, Palmucci S, Parra HS, Privitera G, Motta F, Lanzafame S, Scaglione G, Longo A, Albanese V, **Certo F.** **Long-term therapy with temozolomide is a feasible option for newly diagnosed glioblastoma: a single-institution experience with as many as 101 temozolomide cycles.** Neurosurg Focus. 2014;37(6):E4.
 20. Graziano F, **Certo F**, Basile L, Maugeri R, Grasso G, Meccio F, Ganau M, Iacopino DG. **Autologous fibrin sealant (Vivostat®) in the neurosurgical practice: Part I: Intracranial surgical procedure.** Surg Neurol Int. 2015 12;6:77.
 21. Barbagallo GMV, **Certo F**, Caltabiano R, Chiaramonte I, Albanese V, Visocchi M. **Role of intraoperative indocyanine green video-angiography to identify small, posterior fossa arteriovenous malformations mimicking cavernous angiomas. Technical report and review of the literature on common features of these cerebral vascular malformations.** Clin Neurol Neurosurg. 2015;138:45.
 22. Barbagallo GMV, Palmucci S, Paratore S, Attinà G, Sortino G, Albanese V, **Certo F.** **Portable intraoperative CT-scan (i-CT) in image-guided surgery for brain high-grade gliomas: analysis of technical feasibility and impact on extent of tumor resection.** Neurosurgery. 2015 Nov 9
 23. Jenkinson MD, Waqar M, Farah JO, Farrell M, Barbagallo GM, McManus R, Looby S, Hussey D, Fitzpatrick D, **Certo F**, Javadpour M. **Early adjuvant radiotherapy in the treatment of atypical meningioma.** J Clin Neurosci. 2016 Jan 8.
 24. Barbagallo GM, Raudino G, Visocchi M, Maione M, **Certo F.** **Out-of-third ventricle colloid cysts: review of the literature on pathophysiology, diagnosis and treatment of an uncommon condition, with a focus on headache.** J Neurosurg Sci. 2016 Sep 7.
 25. Barbagallo GMV, **Certo F.** **Dynamic stabilization of the spine and nucleoplasty.** Chapter in Youmans and Winn Neurological Surgery 7 ed
 26. Barbagallo GM, **Certo F**, Albanese V, Signorelli F. **Spinal Intradural Vascular Malformations.** The Spine, ed. Jaypee Publishers, 2014
 27. Iacopino DG, **Certo F**, Graziano F, Basile L, Gulì C, Visocchi M, Conti A, Maugeri R. **EMG-guided percutaneous placement of cement-augmented pedicle screws for osteoporotic thoracolumbar burst fractures.** Acta Neurochir Suppl. 2017;124:319-325.
 28. Barbagallo GMV, **Certo F.** **The unfeasible made feasible: lumbar minimally invasive hybrid stabilization with dynamic rod and mini-open TLIF.** Journal of Neurosurg sciences. 2017 Jan 26
 29. Albanese V, **Certo F**, Visocchi M, Barbagallo GMV. **Multilevel Anterior Cervical Discectomy and Fusion with Zero-Profile Devices: Analysis of Safety and Feasibility, with Focus on Sagittal Alignment and Impact on Clinical Outcome: Single-Institution Experience and Review of Literature.** World Neurosurg. 2017 Oct;106:724-735.
 30. Barbagallo GMV, Maione M, Raudino G, **Certo F.** **Thoracic Intradural-Extramedullary Epidermoid Tumor: The Relevance for Resection of Classic Subarachnoid Space Microsurgical Anatomy in Modern Spinal Surgery. Technical Note and Review of the Literature.** World Neurosurg. 2017;108:54-61.
 31. Lener S, Hartmann S, Barbagallo GMV, **Certo F**, Thomé C, Tschugg A. **Management of spinal infection: a review of the literature.** Acta Neurochir (Wien). 2018;160(3):487-496.
 32. Giaquinta A, Mociskyte D, D'Arrigo G, Barbagallo G, **Certo F**, Veroux M, Veroux P. **Penetrating aortic injury left untreated for 20 days: a case report.** BMC Surg. 2018; 18(1):6
 33. Scalia G, **Certo F**, Maione M, Barbagallo GMV. **Spinal Arachnoiditis Ossificans: Report of Quadruple-Triggered Case.** World Neurosurg. 2019 Mar;123:1-6.
 34. Barbagallo GMV, Morrone A, **Certo F.** **Intraoperative Computed Tomography and Awake Craniotomy: A Useful and Safe Combination in Brain Surgery.** World Neurosurg. 2018 Nov;119:e159-e166.
 35. **Certo F**, Maione M, Visocchi M, Barbagallo GMV. **Retro-odontoid Degenerative Pseudotumour Causing Spinal Cord Compression and Myelopathy: Current Evidence on the Role of Posterior C1-C2 Fixation in Treatment.** Acta Neurochir Suppl. 2019;125:259-264.
 36. Barbagallo D, Caponnetto A, Brex D, Mirabella F, Barbagallo C, Lauretta G, Morrone A, **Certo F**, Broggi G, Caltabiano R, Barbagallo GM, Spina-Purrello V, Ragusa M, Di Pietro C, Hansen TB, Purrello M. **CircSMARCA5 Regulates**

VEGFA mRNA Splicing and Angiogenesis in Glioblastoma Multiforme Through the Binding of SRSF1. Cancers (Basel). 2019 Feb 7;11(2).

37. Barbagallo GM, Certo F. **3D, HD exoscopic Anterior Cervical Discectomy and Fusion: a valid alternative to microscope-assisted surgery.** World Neurosurg. 2019 Jun 14.
38. Barbagallo G, Maione M, Peschillo S, Signorelli F, Visocchi M, Sortino G, Fiumanò G, Certo F. **Intraoperative Computed Tomography, navigated ultrasound, 5-Amino-Levulinic Acid fluorescence and neuromonitoring in brain tumor surgery: overtreatment or useful tool combination?** J Neurosurg Sci. 2019 Jul 11.
39. Altieri R, Melcarne A, Junemann C, Zeppa P, Zenga F, Garbossa D, Certo F, Barbagallo G. **Inferior Fronto-Occipital fascicle anatomy in brain tumor surgeries: From anatomy lab to surgical theater.** J Clin Neurosci. 2019 Oct;68:290-294. doi: 10.1016/j.jocn.2019.07.039. Epub 2019 Jul 19.
40. Altieri R, Morrone A, Certo F, Parisi G, Buscema G, Broggi G, Magro G, Barbagallo GM. **Tentorial Angioleiomyoma: A Rare Neurosurgical Entity. Case Report and Review of the Literature.** World Neurosurg. 2019 Oct;130:506-511. doi: 10.1016/j.wneu.2019.07.129. Epub 2019 Jul 23.
41. Certo F, Stummer W, Farah JO, Freyschlag C, Visocchi M, Morrone A, Altieri R, Toccaceli G, Peschillo S, Thomè C, Jenkinson M, Barbagallo G. **Supramarginal resection of glioblastoma: 5-ALA fluorescence, combined intraoperative strategies and correlation with survival.** J Neurosurg Sci. 2019 Dec;63(6):625-632. doi: 10.23736/S0390-5616.19.04787-8. Epub 2019 Jul 29.
42. Somma T, Ius T, Certo F, Santi L, de Angelis M, Dones F, Cenzato M, Skrap M, Cappabianca P. **From the Champion to the Team: New Treatment Paradigms in Contemporary Neurosurgery.** World Neurosurg. 2019 Nov;131:141-148. doi: 10.1016/j.wneu.2019.07.196. Epub 2019 Aug 2.
43. Altieri R, Raimondo S, Tiddia C, Sammarco D, Cofano F, Zeppa P, Monticelli M, Melcarne A, Junemann C, Zenga F, Savastano R, Garbossa D, Certo F, Barbagallo G. **Glioma surgery: From preservation of motor skills to conservation of cognitive functions.** J Clin Neurosci. 2019 Dec;70:55-60. doi: 10.1016/j.jocn.2019.08.091. Epub 2019 Sep 16.
44. Certo F, Maione M, Altieri R, Garozzo M, Toccaceli G, Peschillo S, Barbagallo GMV. **Pros and cons of a minimally invasive percutaneous subdural drainage system for evacuation of chronic subdural hematoma under local anesthesia.** Clin Neurol Neurosurg. 2019 Dec;187:105559. doi: 10.1016/j.clineuro.2019.105559. Epub 2019 Oct 10.
45. Toccaceli G, Diana F, Cagnazzo F, Cannizzaro D, Lanzino G, Barbagallo GMV, Certo F, Bortolotti C, Signorelli F, Peschillo S. **Microsurgical Clipping Compared with New and Most Advanced Endovascular Techniques in the Treatment of Unruptured Middle Cerebral Artery Aneurysms: A Meta-Analysis in the Modern Era.** World Neurosurg. 2020 May;137:451-464.e1. doi: 10.1016/j.wneu.2019.12.118. Epub 2020 Jan 21.
46. Costa F, Innocenzi G, Guida F, Agrillo U, Barbagallo G, Bocchetti A, Bongetta D, Cappelletto B, Certo F, Cimatti M, Cioffi V, Dobran M, Domenicucci M, Guizzardi G, Guizzardi G, Landi A, Marotta N, Marzetti F, Montano N, Anania CD, Nina P, Quaglietta P, Rispoli R, Somma T, Squillante E, Visocchi M, Vitali M, Vitiello V. **Degenerative Lumbar Spine Stenosis Consensus Conference: the Italian Job. Recommendations of the Spinal Section of Italian Society of Neurosurgery.** J Neurosurg Sci. 2020 Sep 24. doi: 10.23736/S0390-5616.20.05042-0. Online ahead of print.
47. Ius T, Somma T, Altieri R, Angileri FF, Barbagallo GM, Cappabianca P, Certo F, Cofano F, D'Elia A, Della Pepa GM, Esposito V, Fontanella MM, Germanò A, Garbossa D, Isola M, La Rocca G, Maiuri F, Olivi A, Panciani PP, Pignotti F, Skrap M, Spena G, Sabatino G. **Is age an additional factor in the treatment of elderly patients with glioblastoma? A new stratification model: an Italian Multicenter Study.** Neurosurg Focus. 2020 Oct;49(4):E13. doi: 10.3171/2020.7.FOCUS20420.
48. Certo F, Altieri R, Maione M, Schonauer C, Sortino G, Fiumanò G, Tirrò E, Massimino M, Broggi G, Vigneri P, Magro G, Visocchi M, Barbagallo GMV. **FLAIRectomy in Supramarginal Resection of Glioblastoma Correlates With Clinical Outcome and Survival Analysis: A Prospective, Single Institution, Case Series.** Oper Neurosurg (Hagerstown). 2021 Jan 13;20(2):151-163. doi: 10.1093/ons/opaa293.
49. Mostile G, Portaro G, Certo F, Luca A, Manna R, Terranova R, Altieri R, Nicoletti A, Barbagallo GMV, Zappia M. **iNPH with parkinsonism: response to lumbar CSF drainage and ventriculoperitoneal shunting.** J Neurol. 2021 Apr;268(4):1254-1265. doi: 10.1007/s00415-020-10267-x. Epub 2020 Oct 19.
50. Barbagallo GMV, Certo F, Di Gregorio S, Maione M, Garozzo M, Peschillo S, Altieri R. **Recurrent high-grade glioma surgery: a multimodal intraoperative protocol to safely increase extent of tumor resection and analysis of its impact on patient outcome.** Neurosurg Focus. 2021 Jan;50(1):E20. doi: 10.3171/2020.10.FOCUS20744.
51. Altieri R, Barbagallo D, Certo F, Broggi G, Ragusa M, Di Pietro C, Caltabiano R, Magro G, Peschillo S, Purrello M, Barbagallo G. **Peritumoral Microenvironment in High-Grade Gliomas: From FLAIRectomy to Microglia-Glioma**

Cross-Talk. Brain Sci. 2021 Feb 6;11(2):200. doi: 10.3390/brainsci11020200.

52. Barbagallo D, Caponnetto A, Barbagallo C, Battaglia R, Mirabella F, Brex D, Stella M, Broggi G, Altieri R, Certo F, Caltabiano R, Barbagallo GMV, Anfuso CD, Lupo G, Ragusa M, Di Pietro C, Hansen TB, Purrello M. **The GAUGAA Motif Is Responsible for the Binding between circSMARCA5 and SRSF1 and Related Downstream Effects on Glioblastoma Multiforme Cell Migration and Angiogenic Potential.** Int J Mol Sci. 2021 Feb 7;22(4):1678. doi: 10.3390/ijms22041678.
53. Toccaceli G, Altieri R, Certo F, Barbagallo G. **A Case of Foramen Magnum and C1-C2 Meningiomas: Double Challenge, One Approach.** J Neurol Surg B Skull Base. 2021 Feb;82(Suppl 1):S25-S26. doi: 10.1055/s-0040-1705159. Epub 2020 Aug 24.
54. Barbagallo GMV, Altieri R, Garozzo M, Maione M, Di Gregorio S, Visocchi M, Peschillo S, Dolce P, Certo F. **High Grade Glioma Treatment in Elderly People: Is It Different Than in Younger Patients? Analysis of Surgical Management Guided by an Intraoperative Multimodal Approach and Its Impact on Clinical Outcome.** Front Oncol. 2021 Feb 24;10:631255. doi: 10.3389/fonc.2020.631255. eCollection 2020.
55. Broggi G, Salvatorelli L, Barbagallo D, Certo F, Altieri R, Tirrò E, Massimino M, Vigneri P, Guadagno E, Maugeri G, D'Agata V, Musumeci G, Ragusa M, Barbagallo GMV, Russo D, Caltabiano R. **Diagnostic Utility of the Immunohistochemical Expression of Serine and Arginine Rich Splicing Factor 1 (SRSF1) in the Differential Diagnosis of Adult Gliomas.** Cancers (Basel). 2021 Apr 26;13(9):2086. doi: 10.3390/cancers13092086.
56. Stella M, Falzone L, Caponnetto A, Gattuso G, Barbagallo C, Battaglia R, Mirabella F, Broggi G, Altieri R, Certo F, Caltabiano R, Barbagallo GMV, Musumeci P, Ragusa M, Pietro CD, Libra M, Purrello M, Barbagallo D. **Serum Extracellular Vesicle-Derived circHIPK3 and circSMARCA5 Are Two Novel Diagnostic Biomarkers for Glioblastoma Multiforme.** Pharmaceuticals (Basel). 2021 Jun 27;14(7):618. doi: 10.3390/ph14070618.
57. Broggi G, Certo F, Altieri R, Caltabiano R, Gessi M, Barbagallo GMV. **A "polymorphous low-grade neuroepithelial tumor of the young (PLNTY)" diagnosed in an adult. Report of a case and review of the literature.** Surg Neurol Int. 2021 Sep 20;12:470. doi: 10.25259/SNI_500_2021. eCollection 2021.
58. Russo G, Stefano A, Alongi P, Comelli A, Catalfamo B, Mantarro C, Longo C, Altieri R, Certo F, Cosentino S, Sabini MG, Richiusa S, Barbagallo GMV, Ippolito M. **Feasibility on the Use of Radiomics Features of 11[C]-MET PET/CT in Central Nervous System Tumours: Preliminary Results on Potential Grading Discrimination Using a Machine Learning Model.** Curr Oncol. 2021 Dec 12;28(6):5318-5331. doi: 10.3390/curoncol28060444.
59. Broggi G, Tirrò E, Alzoubi H, Arcella A, Gianno F, Antonelli M, Minasi S, Vigneri P, Certo F, Altieri R, Barbagallo GMV, Miele E, Caltabiano R, Giangaspero F. **Cerebellar liponeurocytoma: clinical, histopathological and molecular features of a series of three cases, including one recurrent tumor.** Neuropathology. 2022 Jan 18. doi: 10.1111/neup.12799. Online ahead of print.
60. Pomara C, Salerno M, Esposito M, Sessa F, Certo F, Tripodo C, Rappa F, Barbagallo GM. **Histological and immunohistochemical findings in a fatal case of thrombotic thrombocytopenia after ChAdOx1 nCov-19 vaccination.** Pathol Res Pract. 2022 Feb 4;231:153796. doi: 10.1016/j.prp.2022.153796. Online ahead of print.PMID: 35144085

ABSTRACT

1. Certo F, Platania N, Parisi G, Barbagallo GMV, Romano D, Albanese V. Intraoperative indocyanine green videangiography; an aid in surgery of spinal arteriovenous fistulas. **59 SiNch Milano (Annual meeting of the Italian Society of Neurosurgery).** 2010
2. Certo F, Platania N, Sciacca G, Albanese V. Surgical management of tethered cord syndrome from lumbar spina bifida occulta, occult dermal sinus and intradural lipoma: a golden compromise. **59 SiNch Milano (Annual meeting of the Italian Society of Neurosurgery).** 2010
3. Barbagallo GMV, Borderi A, Corbino L, Certo F, Sciacca G, Giarrusso M, Albanese V. Lumbar canal stenosis: 4-year follow-up clinico-functional and radiological comparative analysis of the treatment with direct radicular decompression vs indirect radicular decompression using interspinous. **59 SiNch Milano (Annual meeting of the Italian Society of Neurosurgery).** 2010
4. Barbagallo GMV, Orlando G, Sciacca G, Certo F, Borderi A, Albanese V. Intraventricular hemorrhage in elderly: pros and cons of the surgical treatment with rigid endoscope. **59 SiNch Milano (Annual meeting of the Italian Society of Neurosurgery).** 2010

5. Romano D, Platania N, Barbagallo GMV, Giarrusso M, Certo F, Albanese V. Cervical spine chordoma of C3. Case report. **59 SiNch Milano (Annual meeting of the Italian Society of Neurosurgery)**. 2010
6. Sciacca G, Platania N, Barbagallo GMV, Parisi G, Giarrusso M, Certo F, Albanese V. Vertebral hemangiomas: long term follow-up. **59 SiNch Milano (Annual meeting of the Italian Society of Neurosurgery)**. 2010
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12. Certo F, Gerardi RM, Meccio F, Graziano F, Iacopino DG. Urodynamic evaluation in patients with cervical myelopathy: initial experience. **61 SiNch Rimini (Annual meeting of the Italian Society of Neurosurgery)**. 2012
13. Basile L, Certo F, Maugeri R, Grasso G, Graziano F, Iacopino DG. Cervico-facial subcutaneous emphysema and pneumomediastinum following cervical spine surgery with anterior approach: diagnostic and therapeutic management of a severe complication. **61 SiNch Rimini (Annual meeting of the Italian Society of Neurosurgery)**. 2012
14. Basile L, Certo F, Iacopino DG. Intraoperative neuromonitoring: the third eye of the surgeon in minimal invasive spinal surgery. **61 SiNch Rimini (Annual meeting of the Italian Society of Neurosurgery)**. 2012
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26. Basile L, Graziano F, Maugeri R, Certo F, Iacopino DG. A rare case of an extensive cervical schwannoma. **62 SiNch Palermo (Annual meeting of the Italian Society of Neurosurgery)**. 2013
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33. Certo F, Gerardi RM, Mancuso G, Graziano F, Grasso G, Iacopino DG. Advanced imaging techniques applied to pre-operative planning of neurosurgical procedures and student's learning: one-year experience from a single centre. **62 SiNch Palermo (Annual meeting of the Italian Society of Neurosurgery)**. 2013
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42. Barbagallo G, Certo F. Fourth ventricle and carotid epidermoid tumors: uncomplicated total tumor resection with capsule removal remains the goal. **64 SiNch Napoli (Annual meeting of the Italian Society of Neurosurgery)**. 2015.

43. Garozzo M, Certo F, Pennisi C, Princiotta S, Giudice S, Chiriatti S, Barbagallo G. Minimally invasive percutaneous subdural drainage system compared to standard subdural drainage for evacuation of Chronic Subdural Hematoma: pros and cons after initial experience. **64 SiNch Napoli (Annual meeting of the Italian Society of Neurosurgery)**. 2015.
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49. Princiotta S, Certo F, Barbagallo G. Dynamic stabilization of the lumbar spine: initial experience with medium-term follow-up. **64 SiNch Napoli (Annual meeting of the Italian Society of Neurosurgery)**. 2015.
50. Barbagallo G, Certo F. Pterional approach: an evergreen window for management of large skull base tumors. **64 SiNch Napoli (Annual meeting of the Italian Society of Neurosurgery)**. 2015.
51. Certo F, Barbagallo G. Surgery of insular glioma: innovation and tradition for the best management **64 SiNch Napoli (Annual meeting of the Italian Society of Neurosurgery)**. 2015.
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54. Barbagallo G, Certo F. C1 lateral mass and C2 pedicle-screw fixation: video-description of a simple technique with preservation of C2 ganglion and perivertebral venous plexus. **15th Interim Meeting of the World Federation of Neurosurgical Societies Rome**. 2015.
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59. Barbagallo G, Certo F. The role of percutaneous and mini-open surgery in the treatment of degenerative and traumatic vertebral diseases in elderly patients: advantages and limits. **EANS Annual meeting. Madrid**. 2015.
60. Certo F, Barbagallo G. Correlation between 5-ALA fluorescence and MRI in high grade gliomas: role of 3D-FLAIR sequences in intra-operative navigation and evaluation of extent of resection. **EANS Annual meeting. Madrid**. 2015.
61. Barbagallo G, Raudino G, Certo F. Spinal intradural-extramedullary epidermoid tumor. Peculiar anatomical spinal location and microsurgical keypoints. **IV International Congress of International society of Reconstructive Neurosurgery (ISRN) and VII Neurorehabilitation and Reconstructive Neurosurgery Symposium (WFNS)**. 2015.

62. Barbagallo G, Certo F. Cerebellar haemorrhage secondary to bleeding cavernoma or AVM? Role of intraoperative indocyanine green video-angiography to identify small, arteriovenous malformations. Video report and review of the literature on common features of these cerebral vascular malformations. **IV International Congress of International society of Reconstructive Neurosurgery (ISRN) and VII Neurorehabilitation and Reconstructive Neurosurgery Symposium (WFNS)**. 2015.
63. Certo F, Raudino G, Barbagallo G. Minimally invasive percutaneous subdural drainage system compared to standard subdural drainage for evacuation of Chronic Subdural Hematoma: pros and cons after initial experience. **IV International Congress of International society of Reconstructive Neurosurgery (ISRN) and VII Neurorehabilitation and Reconstructive Neurosurgery Symposium (WFNS)**. 2015.
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65. Barbagallo G, Certo F, Palmucci S. Interspinous devices in Surgical treatment of lumbar spine stenosis: clinical and radiological outcome analysis with 10-years follow-up. **Congress of Neurological Surgeons 2016 Annual Meeting. San Diego, USA**. 2016
66. Barbagallo G, Certo F, Palmucci S. Multilevel ACDF with Zero-profile devices: analysis of clinical outcome and cervical sagittal alignment. **Congress of Neurological Surgeons 2016 Annual Meeting. San Diego, USA**. 2016
67. Barbagallo GMV, Palmucci S, Paratore S, Attinà G, Sortino G, Albanese V, Certo F. Portable Intraoperative Computed Tomography Scan in Image-Guided Surgery for Brain High-grade Gliomas: Analysis of Technical Feasibility and Impact on Extent of Tumor Resection. **Congress of Neurological Surgeons 2016 Annual Meeting. San Diego, USA**. 2016
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70. Certo F, Barbagallo GMV. iUS-iCT-iUS: Proposal for a Simple Intraoperative Imaging Protocol to Correct Brain Shift in Brain Tumor Surgery. **Congress of Neurological Surgeons 2016 Annual Meeting. San Diego, USA**. 2016
71. Barbagallo G, Sciacca G, Raudino G, Maione M, Parisi G, Certo F, Albanese A. 10 years follow-up of surgical treatment with interspinous devices in degenerative lumbar spinal disorders. **65 SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2016.
72. Barbagallo G, Piccini M, Raudino G, Calì A, Mancuso P, Parisi G, Certo F. Percutaneous and mini-open surgery for degenerative, traumatic and neoplastic vertebral disease in elderly patients: overtreatment or state of the art? **65 SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2016.
73. Maione M, Raudino G, Certo F, Parisi G, Barbagallo G. Primary intradural extraskeletal Ewing sarcoma/primitive neuroectodermal tumor: a rare case arising within cervical spine. **65 SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2016
74. Certo F, Barbagallo G. Failure of neuronavigation in insular glioma surgery: usefulness of i-CT to restore the accuracy. **65 SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2016
75. Barbagallo G, Certo F, Raudino G, Sciacca G, Maione M, Calì A, Mancuso P, Parisi G. Portable intraoperative Computed Tomography scan in image-guided surgery for brain high-grade gliomas: analysis of technical feasibility and impact on extent of tumor resection. **65 SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2016
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77. Giudice S, Certo F, Raudino G, Mancuso P, Barbagallo G. The trans-sulcal approach in the era of minimally invasive neurosurgery. **65 SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2016
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80. Barbagallo G, Certo F, Raudino G, Maione M. Giant cerebello-pontine angle epidermoid tumor: video description of microsurgical technical nuances. **65 SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2016
81. Barbagallo G, Certo F, Raudino G, Maione M. Pediatric, left-sided, thalamic astrocytoma with midline growth: description of the microsurgical technique used to achieve gross-total resection in a challenging case. **65 SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2016
82. Barbagallo G, Certo F, Raudino G, Maione M. microvascular decompression for vago-glossopharyngeal neuralgia: video demonstration of an intriguing double neurovascular conflict. **65 SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2016
83. Barbagallo G, Certo F. I-CT, i-US and 5-ALA fluorescence in brain tumors surgery: overtreatment or useful tools combination? **6th biennial meeting of Intraoperative Imaging Society. Hannover - Germany**. 2017.
84. Barbagallo G, Scalia G., Maione M., Certo F. Bilateral spinal decompression by extended unilateral mini-open TLIF in degenerative spondilolystesis with central lumbar canal stenosis. Description of the surgical technique. **Congress of Neurological Surgeons 2017 Annual Meeting. Boston, USA**. 2017
85. Barbagallo G., Maione M., Scalia G., Certo F. Intraoperative Computed Tomography (i-CT) in brain tumor surgery: single center experience in 74 patients. **Congress of Neurological Surgeons 2017 Annual Meeting. Boston, USA**. 2017
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87. Certo F, Maione M, Scalia G, Barbagallo G. Usefulness of 5-aminolevulinic acid (5-ALA) fluorescence guidance in surgical management of intracerebral metastases: a retrospective analysis. **Congress of Neurological Surgeons 2017 Annual Meeting. Boston, USA**. 2017
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90. Barbagallo G, Certo F, Maione M. Basilar epidermoid tumors: video description of microsurgical technique. **66th SiNch Verona (Annual meeting of the Italian Society of Neurosurgery)**. 2017
91. Maione M, Raudino G, Scalia G, Garozzo M, Di Gregorio S, Certo F, Barbagallo G. An extremely uncommon case of chondrosarcoma metastasis to brain. **66th SiNch Verona (Annual meeting of the Italian Society of Neurosurgery)**. 2017
92. Di Gregorio S, Certo F, Maione M, Scalia G, Parisi G, Mancuso P, Barbagallo G. Rapidly growing multicentric glioblastoma initially diagnosed as cortical dysplasia: description of an unusual condition. **66th SiNch Verona (Annual meeting of the Italian Society of Neurosurgery)**. 2017
93. Barbagallo G, Maione M, Raudino G, Mancuso P, Montemagno GF, Parisi G, Certo F. Efficacy and safety of intraoperative CT (i-CT) in brain tumor surgery. a single center experience in 73 patients. **66th SiNch Verona (Annual meeting of the Italian Society of Neurosurgery)**. 2017
94. Certo F, Maione M, Barbagallo G. Correlation between 5-ala fluorescence and mri in high grade gliomas: role of 3d-flair sequences in intra-operative navigation and evaluation of extent of resection. **66th SiNch Verona (Annual meeting of the Italian Society of Neurosurgery)**. 2017
95. Barbagallo G, Certo F, Maione M, Raudino G, Garozzo M, Scalia G. I-CT, i-US and 5-ALA fuorescence in brain metasteases and gliomas combined use of different intraoperative tools to increase the extent of tumor resection. **66th SiNch Verona (Annual meeting of the Italian Society of Neurosurgery)**. 2017
96. Garozzo M, Certo F, Maione M, Montemagno GF, Barbagallo G. Microsurgical bilateral lumbar canal decompression by extended unilateral mini-open tlif in degenerative spondilolystesis with central lumbar canal stenosis. Video

- description of the surgical technique. **66th SiNch Verona (Annual meeting of the Italian Society of Neurosurgery)**. 2017
97. Barbagallo G, Certo F. Midbrain cavernoma: video description of microsurgical resection. **66th SiNch Verona (Annual meeting of the Italian Society of Neurosurgery)**. 2017
 98. Maione M, Certo F, Scalia G, Raudino G, Barbagallo G. Pros and cons of a minimally invasive percutaneous subdural drainage system compared to standard subdural drainage for evacuation of chronic subdural hematoma. **66th SiNch Verona (Annual meeting of the Italian Society of Neurosurgery)**. 2017
 99. Barbagallo G, Certo F, Raudino G. Surgical resection of a large teratoma of the pineal region extending into the third ventricle: video report. **66th SiNch Verona (Annual meeting of the Italian Society of Neurosurgery)**. 2017
 100. Scalia G, Certo F, Maione M, Di Gregorio S, Garozzo M, Barbagallo G. Anatomical variations of the lateral and third ventricles: a challenging knowledge for safety and efficacy of the endoscopic third ventriculostomy procedures. **66th SiNch Verona (Annual meeting of the Italian Society of Neurosurgery)**. 2017
 101. Barbagallo G, Raudino G, Maione M, Scalia G, Certo F. Navigated 3D FLAIR and 5-ALA fluorescence guided surgery in high-grade gliomas: an intraoperative imaging protocol for supra-maximal resection. **EANS Annual Meeting, Venice**. 2017
 102. Barbagallo G, Raudino G, Scalia G, Maione M, Certo F. Bilateral spinal decompression by estende unilateral mini-open TLIF in degenerative spondilolystesis with central lumbar canal stenosi. Description of the surgical technique. **EANS Annual Meeting, Venice**. 2017
 103. Barbagallo G, Scalia G, Certo F, Maione M. Spinal epidural metastasis from Ewing sarcoma of the acetabular zone. **EANS Annual Meeting, Venice**. 2017
 104. Di Gregorio S, Certo F, Maione M, Scalia G, Barbagallo G. Cortical dysplasia anticipating rapidly growing multicentric glioblastoma; misdiagnosis or pre-neoplastic lesion? **EANS Annual Meeting, Venice**. 2017
 105. Certo F, Raudino G, Maione M, Barbagallo G. 5-aminolevulinic acid (5-ALA) fluorescence in microsurgical management of intracerebral metastases: a single-institution retrospective analysis. **EANS Annual Meeting, Venice**. 2017
 106. Barbagallo G, Raudino G, Maione M, Scalia G, Certo F. Safety and effectiveness of intraoperative Computed Tomography (i-CT) in brain tumor surgery: single center experience in 74 patients. **EANS Annual Meeting, Venice**. 2017
 107. Certo F, Raudino G, Maione M, Barbagallo G. i-CT plus i-Us plus 5-ALA fluorescence in brain tumors: overtreatment or combination of useful tools? **EANS Annual Meeting, Venice**. 2017
 108. Barbagallo G, Certo F, Maione M, Raudino G. Valutazione dei risultati a medio e lungo termine dell'impianto di cage a profilo zero per ACDF a tre e quattro livelli. Analisi clinica e radiologica con focus sull'allineamento sagittale della colonna vertebrale cervicale e sulle implicazioni cliniche. **41° Congresso della Società Italiana di Chirurgia Vertebrale e Gruppo Italiano Scoliosi. Cagliari**. 2018
 109. Barbagallo G, Certo F, Maione M, Raudino G. Pseudotumor degenerativo retro-odontoideo che causa compressione e mielopatia del midollo spinale: evidenze attuali sul ruolo della fissazione posteriore C1-C2 e della decompressione posteriore di C1. **41° Congresso della Società Italiana di Chirurgia Vertebrale e Gruppo Italiano Scoliosi. Cagliari**. 2018
 110. Barbagallo G, Certo F, Maione M, Raudino G, Mancuso PS, Montemagno GF. Valutazione volumetrica della decompressione bilaterale del canale vertebrale mediante mini-open TLIF unilaterale estesa in pazienti con spondilolistesi degenerativa e stenosi centrale del canale vertebrale lombare. Esperienza da un singolo centro. **41° Congresso della Società Italiana di Chirurgia Vertebrale e Gruppo Italiano Scoliosi. Cagliari**. 2018
 111. Barbagallo G, Certo F. Trattamento chirurgico delle recidive di glioblastoma in area critica: ruolo delle tecnologie di imaging intraoperatorio abbinate al neuromonitoraggio per incrementare la sicurezza e l'efficacia della chirurgia. **67th SiNch Ancona (Annual meeting of the Italian Society of Neurosurgery)**. 2018
 112. Ferrari E, Certo F, Di Gregorio S, Maione M, Scalia G, Barbagallo G. Integration of enhanced mri, T2/FLAIR and 11C-MET-PET in surgical management and post-operative assessment of brain gliomas: a clinical series. **67th SiNch Ancona (Annual meeting of the Italian Society of Neurosurgery)**. 2018
 113. Barbagallo G, Maione M, Scalia G, Certo F. Valutazione e gestione intraoperatoria dei residui di neoplasia nei tumori intra-assiali, mediante la combinazione di TC intraoperatoria, ecografia neuronavigata intraoperatoria, fluorescenza con 5-ALA e neuromonitoraggio. **67th SiNch Ancona (Annual meeting of the Italian Society of Neurosurgery)**. 2018

114. Certo F, Morrone A, Maione M, Scalia G, Barbagallo G. Resezione sovramassimale nei glioblastomi basata su navigazione di sequenze FLAIR volumetriche correlate con 5-ALA. Analisi dell'outcome clinico e dei parametri di sopravvivenza in una serie di 54 pazienti. **67th SiNch Ancona (Annual meeting of the Italian Society of Neurosurgery)**. 2018
115. Barbagallo G, Scalia G, Raudino G, Maione M, Certo F. Compressione midollare e mielopatia da pannus retro-odontoideo di C2: evidenza scientifica sul ruolo della osteosintesi posteriore C1-C2 abbinata a resezione dell'arco posteriore di C1. **67th SiNch Ancona (Annual meeting of the Italian Society of Neurosurgery)**. 2018
116. Raudino G, Scalia G, Maione M, Certo F, Barbagallo G. Rilevazione precoce di instabilità a livello della giunzione craniovertebrale nelle mucopolisaccaridosi: punto chiave nella prevenzione di danno irreversibile del neurasse nella nuova era dello screening neonatale e della terapia enzimatica sostitutiva. **67th SiNch Ancona (Annual meeting of the Italian Society of Neurosurgery)**. 2018
117. Barbagallo G, Maione M, Scalia G, Raudino G, Certo F. Utilizzo di cages Zero-profile, per l'ACDF a tre e quattro livelli cervicali. Analisi clinico radiologica con focus sull'allineamento cervicale correlato all'outcome. **67th SiNch Ancona (Annual meeting of the Italian Society of Neurosurgery)**. 2018
118. Certo F, Raudino G, Maione M, Scalia G, Barbagallo G. Pattern di fluorescenza nella chirurgia dei tumori gliali estesi alla sostanza bianca periventricolare, assistita da 5-ALA. Video report con focus sulle intensità di fluorescenza e la tecnica di resezione. **67th SiNch Ancona (Annual meeting of the Italian Society of Neurosurgery)**. 2018
119. Barbagallo G, Maione M, Certo F. Approccio combinato sub-temporale e pre-sigmoideo con petrosectomie anteriore e posteriore e mastoidectomia per il management chirurgico endoscopio-assistito di un voluminoso meningioma sfenopetrocliviale: video report. **67th SiNch Ancona (Annual meeting of the Italian Society of Neurosurgery)**. 2018
120. Barbagallo G, Scalia G, Certo F. Management chirurgico di un voluminoso craniofaringioma esteso alla fossa cranica anteriore, media e posteriore: video report. **67th SiNch Ancona (Annual meeting of the Italian Society of Neurosurgery)**. 2018
121. Certo F, Barbagallo G. Registro operatorio nazionale: analisi di applicabilità di uno strumento di gestione dati per standardizzare le casistiche operatorie dei giovani neurochirurghi (e non solo!). **67th SiNch Ancona (Annual meeting of the Italian Society of Neurosurgery)**. 2018
122. Scalia G, Certo F, Maione M, Raudino G, Barbagallo G. Aracnoidite ossificante associata a spondilite anchilosante, storia di pregresso trauma spinale e correlata chirurgia: descrizione di un caso, revisione della letteratura su una condizione molto rara. **67th SiNch Ancona (Annual meeting of the Italian Society of Neurosurgery)**. 2018
123. Scalia G, Ferrari E, Certo F, Barbagallo G. Tumore bruno vertebrale e sindrome iperparatiroidismo-fibromi multipli ossificanti della mandibola: descrizione di un caso, gestione chirurgica e revisione della letteratura su questa insolita associazione. **67th SiNch Ancona (Annual meeting of the Italian Society of Neurosurgery)**. 2018
124. Raudino G, Scalia G, Maione M, Certo F, Barbagallo G. Drenaggio spinale lombare esterno prolungato e monitoraggio in tempo reale della pressione intracranica: una procedura per identificare i pazienti affetti da idrocefalo normoteso e studio del suo valore predittivo nella gestione terapeutica. **67th SiNch Ancona (Annual meeting of the Italian Society of Neurosurgery)**. 2018
125. Scalia G, Certo F, Morrone A, Raudino G, Barbagallo G. TC intraoperatoria: uno strumento applicabile nella chirurgia dei tumori cerebrali pediatrici. **67th SiNch Ancona (Annual meeting of the Italian Society of Neurosurgery)**. 2018
126. Maione M, Certo F, Mancuso PS, Parisi G, Raudino G, Barbagallo G. Variabilità degli aspetti radiologici nei gangliogliomi di I grado. **67th SiNch Ancona (Annual meeting of the Italian Society of Neurosurgery)**. 2018
127. Di Gregorio S, Ferrari E, Certo F, Barbagallo G. Hypothalamic ganglioglioma in adult presenting with diabetes insipidus: case report of unusual clinical presentation and review of the literature. **67th SiNch Ancona (Annual meeting of the Italian Society of Neurosurgery)**. 2018
128. Ferrari E, Certo F, Barbagallo G. Diploic solitary bone plasmacytoma resembling meningioma: case report with review of literature. **67th SiNch Ancona (Annual meeting of the Italian Society of Neurosurgery)**. 2018
129. Barbagallo G, Raudino G, Mancuso PS, Certo F. Valutazione volumetrica della decompressione neurale bilaterale ottenuta attraverso mini-open TLIF monolaterale esteso in pazienti con spondilolistesi e stenosi del canale vertebrale centrale. Esperienza istituzionale. **67th SiNch Ancona (Annual meeting of the Italian Society of Neurosurgery)**. 2018

130. Barbagallo G, Certo F. Fissazione posteriore C1-C2 mediante viti sulle masse laterali di C1 e peduncolari di C2, con dissezione microchirurgica, mobilizzazione e preservazione del ganglio di C2: nota tecnica e video report. **67th SiNch Ancona (Annual meeting of the Italian Society of Neurosurgery)**. 2018
131. Barbagallo G, Morrone A, Certo F. TC intraoperatoria in pazienti sottoposti ad awake surgery: fattibilità e sicurezza della metodica, nel trattamento di lesioni intra-assiali in aree eloquenti. **67th SiNch Ancona (Annual meeting of the Italian Society of Neurosurgery)**. 2018
132. Certo F, Barbagallo G. Nano-temozolomide per la via naso cervello in modelli sperimentali di glioblastoma: un nuovo farmaco per studi clinici e pre-clinici. **67th SiNch Ancona (Annual meeting of the Italian Society of Neurosurgery)**. 2018
133. Barbagallo G, Raudino G, Maione M, Scalia G, Certo F. C2 odontoid pseudotumor causing spinal cord compression and myelopathy: current evidence on the role of posterior C1-C2 fixation and C1 posterior decompression. **EANS Annual Meeting, Brussels**. 2018
134. Barbagallo G, Scalia G, Maione M, Certo F. Zero Profile implant for multilevel ACDF. Radiological and clinical outcome with long term follow-up. **EANS Annual Meeting, Brussels**. 2018
135. Barbagallo G, Morrone A, Certo F. Intraoperative CT and awake craniotomy: technical note. **EANS Annual Meeting, Brussels**. 2018
136. Barbagallo G, Scalia G, Maione M, Certo F. Intra-operative CT, navigated ultrasound, 5-ALA fluorescence and neuromonitoring in brain tumor surgery: a multimodal protocol for intra-axial brain tumor surgery. **EANS Annual Meeting, Brussels**. 2018
137. Barbagallo G, Scalia G, Maione M, Certo F. Extended resection of HGG based on Navigated FLAIR MR. Clinical outcome and survival analysis on 50 patients **EANS Annual Meeting, Brussels**. 2018
138. Ferrari E, Maione M, Scalia G, Certo F, Raudino G, Barbagallo G. Solitary bone plasmocytoma of the skull vault mimicking meningioma: case report and review of literature. **EANS Annual Meeting, Brussels**. 2018
139. Certo F, Peschillo S, Altieri R, Toccaceli G, Garozzo M, Maione M, Di Gregorio S, Barbagallo G. Valutazione volumetrica dell'ampliamento del canale vertebrale lombare ottenuto mediante approccio monolaterale esteso in una serie di pazienti sottoposti a mini-open TLIF. **68th SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2019
140. Altieri R, Toccaceli G, Certo F, Parisi G, Mancuso P, Barbagallo G. Approccio telo-velare per voluminosi cavernomi emorragici del tronco encefalo. video report- **68th SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2019
141. Altieri R, Certo F, Peschillo S, Toccaceli G, Garozzo M, Barbagallo G. Management dei meningiomi della clinoida anteriore: descrizione video della tecnica microchirurgica con focus sulla dissezione neurovascolare. **68th SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2019
142. Certo F, Peschillo S, Altieri R, Toccaceli G, Barbagallo G. Integrazione tecnologica nel trattamento chirurgico dei tumori gliali di alto grado: dimostrazione video dell'applicazione del protocollo multimodale con fluorescenza indotta da 5-ALA, TC intraoperatoria, ecografia intraoperatoria e monitoraggio neurofisiologico. **68th SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2019
143. Toccaceli G, Certo F, Peschillo S, Altieri R, Garozzo M, Maione M, Di Gregorio S, Barbagallo G. Considerazioni di tecnica microchirurgica nella resezione dei medulloblastomi che si estendono nel IV ventricolo in pazienti pediatrici: video report. **68th SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2019
144. Certo F, Peschillo S, Altieri R, Toccaceli G, Garozzo M, Barbagallo G. Management microchirurgico di craniofaringiomi estesi alla fossa cranica anteriore, media e posteriore: video report. **68th SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2019
145. Barbagallo G, Peschillo S, Altieri R, Toccaceli G, Garozzo M, Parisi G, Mancuso PS, Di Gregorio S, Maione M, Certo F. Analisi dei limiti di differenti metodiche intra-operatorie in neuro-oncologia: esperienza clinica. **68th SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2019
146. Barbagallo G, Peschillo S, Altieri R, Maione M, Garozzo M, Certo F. Discectomia ed artrodesi cervicale anteriore multilivello mediante cages-placca zero-profile, nel trattamento della mielopatia spondilodiscoartrosica cervicale: analisi di una serie clinica con follow-up massimo di 98 mesi. **68th SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2019

147. Certo F, Toccaceli G, Occhipinti G, Parisi G, Mancuso PS, Barbagallo G. Approccio multimodale al trattamento dei cavernomi cerebrali. **68th SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2019
148. Peschillo S, Toccaceli G, Diana F, Cannizzaro D, Cagnazzo F, Lanzino G, Bortolotti C, Certo F, Barbagallo G. Metanalisi su clipping vs nuovi dispositivi endovascolari nel trattamento degli aneurismi non rotti di arteria cerebrale media. **68th SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2019
149. Barbagallo G, Peschillo S, Toccaceli G, Di Gregorio S, Mancuso PS, Parisi G, Certo F. Trattamento chirurgico delle deformità cervicali degenerative e post-infettive: indicazioni e considerazioni cliniche. **68th SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2019
150. Certo F, Salomone S, Puglisi G, Drago F, Tata AM, Barbagallo G. Nano-temozolomide per la via naso-cervello in modelli sperimentali di glioblastoma: un nuovo farmaco ingegnerizzato per studi clinici e preclinici. **68th SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2019
151. Certo F, Morrone A, Barbagallo D, Purrello M, Barbagallo G. Basi molecolari della PET con 11C-Metionina: ruolo del miRNA-126 e di LAT1. **68th SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2019
152. Morrone A, Barbagallo D, Purrello M, Certo F, Barbagallo G. CIRC-SMARCA5 inibisce la migrazione di cellule di glioblastoma attraverso la regolazione di un asse molecolare coinvolgente di fattori di splicing SRSF1/SRSF3/PTB. **68th SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2019
153. Certo F, Peschillo S, Toccaceli G, Altieri R, Barbagallo G. Impact of intra-operative CT scan in spine surgery. Applications, technical consideration and clinical implications. **EANS Annual Meeting, Dublin**. 2019
154. Toccaceli G, Todaro G, Certo F, Altieri R, Morrone A, Barbagallo G. Role of brain shift in the accuracy of neuronavigation systems during brain tumor surgery. **EANS Annual Meeting, Dublin**. 2019
155. Certo F, Altieri R, Toccaceli G, Peschillo S, Barbagallo G. 3D FLAIR MR-based supramarginal resection of high-grade glioma: correlation with clinical outcome and survival analysis in 50 patients. A prospective, single institution, pilot study. **EANS Annual Meeting, Dublin**. 2019
156. Certo F, Peschillo S, Toccaceli G, Altieri R, Morrone A, Barbagallo G. Nano-temozolomide for nose-to-brain delivery in experimental model of glioblastoma: a new compound for clinical and pre-clinical studies. **EANS Annual Meeting, Dublin**. 2019
157. Certo F, Altieri R, Maione M, Di Gregorio S, Peschillo S, Barbagallo GM. Asportazione di un ependimoma intramidollare cervicale assistita da neuromonitoraggio ed imaging intraoperatorio: descrizione della tecnica microchirurgica mediante video 3D. **69th SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2020
158. Barbagallo GM, Altieri R, Peschillo S, Di Gregorio S, Maione M, Certo F. Approccio combinato sub-temporale e pre-sigmoideo con petrosectomie anteriore e posteriore e mastoidectomia per il management chirurgico endoscopio-assistito di un voluminoso meningioma petroclivale: video report. **69th SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2020
159. Barbagallo GM, Altieri R, Peschillo S, Di Gregorio S, Maione M, Garozzo M, Certo F. Trattamento chirurgico delle deformità cervicali degenerative e post-infettive: indicazioni e considerazioni cliniche. **69th SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2020
160. Altieri R, Certo F, Peschillo S, Barbagallo GM. Radiological evaluation of ex novo high grade glioma: velocity of diametric expansion and acceleration time study. **69th SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2020
161. Certo F, Altieri R, Maione M, Di Gregorio S, Peschillo S, Barbagallo GM. Terapia a bersaglio molecolare nei gliomi cerebrali di alto grado: trattamento chirurgico, carta d'identità genetica del tumore, colture cellulari individualizzate e sperimentazione farmacologica. **69th SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2020
162. Certo F, Visocchi M, Altieri R, Peschillo S, Barbagallo GM. FLAIRectomy: un protocollo di approccio multimodale nel trattamento chirurgico dei Glioblastomi. **69th SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2020
163. Altieri R, Certo F, Peschillo S, Barbagallo GM. The neurosurgical challenge of primary central nervous system lymphoma diagnosis: a multimodal intraoperative imaging approach to overcome frameless neuronavigated biopsy sampling errors. **69th SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2020

164. Certo F, Altieri R, Garozzo M, Di Gregorio S, Maione M, Peschillo S, Barbagallo GM. Neuronavigazione mediante tc intraoperatoria: protocollo di imaging per incrementare l'accuratezza e l'affidabilità della navigazione. **69th SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2020
165. Barbagallo GM, Altieri R, Garozzo M, Maione M, Di Gregorio S, Peschillo S, Certo F. High grade glioma treatment in elderly people: is it different than in younger patients? Analysis of surgical management guided by an intraoperative multimodal approach and its impact on clinical outcome. **69th SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2020
166. Barbagallo GM, Altieri R, Maione M, Di Gregorio S, Garozzo M, Peschillo S, Certo F. Impatto della tac intraoperatoria nella chirurgia della colonna vertebrale. Applicazioni, considerazioni tecniche e implicazioni cliniche. **69th SiNch Roma (Annual meeting of the Italian Society of Neurosurgery)**. 2020
167. Barbagallo GM, Altieri R, Certo F. High grade glioma treatment in elderly people: is it different than in younger patients? analysis of surgical management guided by an intraoperative multimodal approach and its impact on clinical outcome. **70th SiNch Milano (Annual meeting of the Italian Society of Neurosurgery)**. 2021
168. Certo F, Altieri R, Garozzo M, Barbagallo GMV. "flairectomy": un protocollo chirurgico multimodale nel trattamento dei glioblastomi. Analisi dell'outcome clinico in differenti gruppi di età. **70th SiNch Milano (Annual meeting of the Italian Society of Neurosurgery)**. 2021
169. Altieri R, Broggi G, Certo F, Pacella D, Cammarata G, Maione M, Garozzo M, Caltabiano R, Magro G, Barbagallo GMV. Anatomical distribution of cancer stem cells between enhancing nodule and flair hyperintensity in supratentorial glioblastoma: time to recalibrate the surgical target? **70th SiNch Milano (Annual meeting of the Italian Society of Neurosurgery)**. 2021
170. Certo F, Maione M, Altieri R, Garozzo M, Barbagallo GMV. Imaging pre- e intra-operatorio dei gangliogliomi: variabilità delle caratteristiche neuroradiologiche, ruolo della fluorescenza con 5-ALA e implicazioni cliniche. **70th SiNch Milano (Annual meeting of the Italian Society of Neurosurgery)**. 2021
171. Maione M, Certo F, Altieri R, Garozzo M, Montemagno GF, Mancuso PS, Barbagallo GMV. TC intraoperatoria per chirurgia spinale strumentata: un'esperienza di un'unica istituzione. **70th SiNch Milano (Annual meeting of the Italian Society of Neurosurgery)**. 2021
172. Certo F, Maione M, Altieri R, Garozzo M, Barbagallo GMV. Fratture della giunzione toraco-lombare: impatto della TC intraoperatoria nel management chirurgico di 76 pazienti. **70th SiNch Milano (Annual meeting of the Italian Society of Neurosurgery)**. 2021
173. Certo F, Maione M, Altieri R, Garozzo M, Barbagallo GMV. "Polymorphous low-grade neuroepithelial tumor of the young" (PLNTY) il nome corretto per indicare un'entità tumorale che può insorgere a qualsiasi età? report di un caso in una donna di 50 anni e revisione critica della letteratura. **70th SiNch Milano (Annual meeting of the Italian Society of Neurosurgery)**. 2021
174. Barbagallo GM, Certo F, Altieri R. Recurrent high-grade glioma surgery: a multimodal intraoperative protocol to safely increase extent of tumor resection and analysis of its impact on patient outcome. **70th SiNch Milano (Annual meeting of the Italian Society of Neurosurgery)**. 2021
175. Altieri R, Certo F, Pacella D, Giacomo C, Garozzo M, Russo G, Cosentino I, Ippolito M, Barbagallo GMV. Metabolic delineation of high grade gliomas anatomy: how to plan the surgical strategy. **70th SiNch Milano (Annual meeting of the Italian Society of Neurosurgery)**. 2021

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CONFERENCE PRESENTATIONS (FACULTY OR SPEAKER)

1. National Congress of the Italian Society of Neurosurgery – Florence 2011
2. National Congress of the Italian Society of Neurosurgery – Rimini 2012
3. National Congress of the Italian Society of Neurosurgery – Palermo 2013
4. National Congress of the Italian Society of Neurosurgery – Vicenza 2014
5. National Congress of the Italian Society of Neurosurgery – Naples 2015
6. Faculty member of the 15th Interim Meeting of the World Federation of Neurosurgical Societies – Rome 2015
7. International Congress of International society of Reconstructive Neurosurgery (ISRN) and VII Neurorehabilitation and Reconstructive Neurosurgery Symposium (WFNS) – Rome 2015.
8. EANS Annual Meeting del 2015 – Madrid 2015
9. National Congress of the Italian Society of Neurosurgery – Rome 2016
10. National Congress of the Italian Society of Neurosurgery – Verona 2017
11. 6th biennial meeting of Intraoperative Imaging Society. Hannover - Germany 2017
12. EANS Annual Meeting - Venice 2017
13. Meetings of theoretical-practical Ultrasound – Ordine dei Medici Catania, SNAMID Catania . March-April 2017
14. VI National Congress of neurofibromatosis – Catania 2017
15. Third Annual Meeting of the Spinal Surgery Section of Sinch (relator by invitation) – Venice 2017.
16. National Congress of the Italian Society of Neurosurgery – Ancona 2018
17. Prof Cantore Meetings V edition. Young Neurosurgeons Forum – Pozzilli (IS) 2019
18. Young topics in Neurosurgery. Update about the treatment of brain tumors – Rome 2019
19. Second Regional Conference: The major trauma: update – San Cataldo (CL) 2019
20. National Congress of the Italian Society of Neurosurgery – Rome 2019
21. EANS Annual meeting – Dublin 2019
22. National Congress of the Italian Society of Neurosurgery – Roma 2020
23. National Congress of the Italian Society of Neurosurgery – Milano 2021
24. National Congress of the Italian Society of Neurosurgery – Napoli 2022
25. EANS Annual meeting – Belgrade 2022

ORGANIZATION OF SCIENTIFIC COURSES OR CONFERENCES

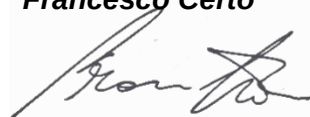
1. Member of the scientific secretariat of the international course "Advanced techniques in Cervical Spine Decompression and Stabilization". Naples 2017.
2. Member of the scientific secretariat of the international course "Advanced techniques in Lumbar Spine Decompression and Stabilization". Naples 2018.
3. Member of the scientific secretariat of the international course "The second Advanced techniques in Cervical Spine Decompression and Stabilization". Naples 2018.

EDITORIAL EXPERIENCE

1. Member of the editorial board di Springer Plus
2. Member of the editorial board di Journal of Surgery (Science Publishing Group)
3. Reviewer ad hoc for "World Neurosurgery" (10 reviews in the past two years)
4. Reviewer ad hoc for "The Spine Journal"
5. Associate Editor of Frontiers in Surgery

Catania, 1st of March 2023

Francesco Certo

A handwritten signature in black ink, appearing to read 'Francesco Certo', written in a cursive style.