

Curriculum Vitae

Personal information

First name(s) / Surname(s) **Gianluigi Zona**
Address(es)
Telephone(s)
E-mail gianluigi.zona@hsanmartino.it
Nationality Italiana e Svizzera
Date of birth 24 agosto 1968
Gender Maschio

Occupational field **Neurochirurgia**

Work experience

Dates	
	2012 ad oggi – Direttore della Clinica Neurochirurgica e Neurotraumatologica, IRCCS Policlinico San Martino, Genova
	2019 ad oggi – Professore Ordinario di Neurochirurgia, DiNOGMI, Università di Genova, Italia
	2021 ad oggi – Direttore del Dipartimento di Neuroscienze, IRCCS Policlinico San Martino, Genova
Occupation or position held	1995-1998 – Capoclinica, Servizio di Neurochirurgia (Dir. Prof. Nicolas de Tribolet), Ospedali Universitari di Ginevra (Ginevra, Svizzera) 1998-2000 – Dirigente medico – UO Neurochirurgia – Ospedale Niguarda Ca’ Granda - Milano (Italia) 2000-2012 – Dirigente medico – Clinica Neurochirurgica e Neurotraumatologica – Ospedale San Martino – Genova (Italia) 2014-2019 – Professore Associato di Neurochirurgia – DiNOGMI – Università di Genova (Italia)
Main activities and responsibilities	Clinical and traslational research, Students and Fellows education and surgical training, Clinical coordination of all Neuroscience Units of the IRCCS.
Name and address of employer	University of Genoa
Type of business or sector	2012 to date - Chairman, Dept. of Neurosurgery, IRCCS Ospedale Policlinico San Martino, Genoa, Italy 2019 to date - Full Professor of Neurosurgery, DiNOGMI, University of Genoa, Italy 2021 to date – Director, Dept. of Neuroscience, IRCCS Ospedale Policlinico San Martino - Genoa, Italy

Education and training

Dates	
1988-1989	– Student volunteer and guest researcher - Laboratory of Tumor Immunology and Biology – NIH – Bethesda (USA)
1992	– Laurea in Medicina e Chirurgia – Università “Federico II” – Napoli, Italia
1997	– Specializzazione in Neurochirurgia – Università “Federico II” -Napoli, Italia
1995-1998	– Capoclinica – Servizio di Neurochirurgia – Ospedali Universitari di Ginevra, Svizzera
2004	– Dottorato di Ricerca in Tecnologia Biomedica – Università Bicocca – Milano, Italia
2006	– Honorary Surgeon – Dipartimento di Neurochirurgia – Queen’s Square Hospital – UCL – Londra (UK)
2007	– Visiting Professor – Dipartimento di Neurochirurgia – Ospedale Universitrio di Helsinki – Helsinki (Finlandia).

Title of qualification awarded	
Principal subjects/occupational skills covered	Neurochirurgia oncologica, neurochirurgia vascolare, Tumori ipofisari, Chirurgia degenerativa e oncologica del rachide.
Name and type of organisation providing education and training	Università Libera di Bruxelles – Bruxelles – Belgio Università “Federico “ – Napoli – Italia Università di Ginevra - Svizzera
Level in national or international classification	NQF 8

Personal skills and competences

Mother tongue(s) **Italiano**

Other language(s) **Inglese e Francese**

Self-assessment <i>European level (*)</i>	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
Inglese	B1	C1	C1	C1	C1
Francese	C2	C2	C2	C2	C2

Additional information

Selected publications (2021-2022)

Ceraudo M, Balestrino A, Cavelli M, Fasce I, Zona G, Fiaschi P. De novo intracranial aneurysm formation in SARS-CoV-2 infection: first report of a yet unknown complication. *Int J Neurosci*. 2022 Jun 2:1-4. doi: 10.1080/00207454.2022.2079500. Epub ahead of print. PMID: 35603452.

Battaglini D, Ball L, Robba C, Maiani S, Brunetti I, Benedetti L, Castellan L, Zona G, Pesce G, Rocco PRM, Pelosi P. Patients With Suspected Severe Adverse Reactions to COVID-19 Vaccination Admitted to Intensive Care Unit: A Case Report. *Front Med (Lausanne)*. 2022 Mar 18;9:823837. doi: 10.3389/fmed.2022.823837. PMID: 35372434; PMCID: PMC8972056.

Fontanella MM, Zanin L, Panciani P, Belotti F, Doglietto F, Cremonesi A, Migliorati K, Roca E, De Maria L, Franzin A, Vivaldi O, Griva F, Narducci A, Draghi R, Calbucci F, Borghesi I, Crobeddu E, Cossandi C, Fioravanti A, Arias JA, Scerrati A, De Bonis P, Locatelli D, Agosti E, Veiceschi P, Ceraudo M, Zona G, Gasparotti R, Terzi di Bergamo L, Rigamonti D. Preliminary Validation of FoRCaSco: A New Grading System for Cerebral and Cerebellar Cavernomas. *World Neurosurg*. 2022 Jun;162:e597-e604. doi: 10.1016/j.wneu.2022.03.070. Epub 2022 Mar 18. PMID: 35314403.

De Maria A, Sepulcri C, Tutino S, Briano F, Toscanini F, Fiaschi P, Zona G, Gaggero G, Bassetti M. Mind the gap: IgG4-related disease mimicking infectious cerebral mass lesions. *Eur J Med Res*. 2022 Mar 19;27(1):42. doi: 10.1186/s40001-022-00669-0. PMID: 35305692; PMCID: PMC8933968.

Anania P, Ceraudo M, Prior A, Fiaschi P, Zona G, Rikki-Canevari F, Rossi DC. Ipsilateral Nasoseptal Flap Pedicle for Transpterygoid Approach: Technical Note. *Iran J Otorhinolaryngol*. 2021 Nov;33(119):361-367. doi: 10.22038/IJORL.2021.54687.2866. PMID: 35223653; PMCID: PMC8829787.

Campana C, Nista F, Castelletti L, Caputo M, Lavezzi E, Marzullo P, Ferrero A, Gaggero G, Canevari FR, Rossi DC, Zona G, Lania A, Ferone D, Gatto F. Clinical and radiological presentation of parasellar ectopic pituitary adenomas: case series and systematic review of the literature. *J Endocrinol Invest*. 2022 Aug;45(8):1465-1481. doi: 10.1007/s40618-022-01758-x. Epub 2022 Feb 11. PMID: 35147925.

Barbieri F, Bosio AG, Pattarozzi A, Tonelli M, Bajetto A, Verduci I, Cianci F, Cannavale G, Palloni LMG, Francesconi V, Thellung S, Fiaschi P, Mazzetti S, Schenone S, Balboni B, Girotto S, Malatesta P, Daga A, Zona G, Mazzanti M, Florio T. Chloride intracellular channel 1 activity is not required for glioblastoma development but its inhibition dictates glioma stem cell responsiveness to novel biguanide derivatives. *J Exp Clin Cancer Res*. 2022 Feb 8;41(1):53. doi: 10.1186/s13046-021-02213-0. PMID: 35135603; PMCID: PMC8822754.

Robba C, Ball L, Battaglini D, Iannuzzi F, Brunetti I, Fiaschi P, Zona G, Taccone FS, Messina A, Mongodi S, Pelosi P. Effects of positive end-expiratory pressure on lung ultrasound patterns and their correlation with intracranial pressure in mechanically ventilated brain injured patients. *Crit Care*. 2022 Jan 28;26(1):31. doi: 10.1186/s13054-022-03903-7. PMID: 35090525; PMCID: PMC8796179.

Robba C, Cardim D, Ball L, Battaglini D, Dabrowski W, Bassetti M, Giacobbe DR, Czosnyka M, Badenes R, Pelosi P, Matta B; GeCovid group. The Use of Different Components of Brain Oxygenation for the Assessment of Cerebral Haemodynamics: A Prospective Observational Study on COVID-19 Patients. *Front Neurol*. 2021 Dec 20;12:735469. doi: 10.3389/fneur.2021.735469. PMID: 34987461; PMCID: PMC8722102.

Bianconi A, Prior A, Zona G, Fiaschi P. Anticoagulant therapy in high grade gliomas: a systematic review on state of the art and future perspectives. *J Neurosurg Sci*. 2021 Nov 11. doi: 10.23736/S0390-5616.21.05536-3. Epub ahead of print. PMID: 34763392.

Cocchiara F, Campana C, Nista F, Corica G, Ceraudo M, Milioto A, Criminelli Rossi D, Zona G, Ferone D, Gatto F. Evaluation of acromegaly treatment direct costs with respect to biochemical control and follow-up length. *Pituitary*. 2022

Apr;25(2):246-257. doi: 10.1007/s11102-021-01193-w. Epub 2021 Nov 10. PMID: 34757473.

Balestrino A, Anania P, Ceraudo M, Truffelli M, Sbaffi PF, Melloni I, Gratarola A, Zona G, Fiaschi P. Spine surgery after the COVID-19 emergency: an algorithm for management of elective surgical cases. *J Prev Med Hyg.* 2021 Jun 5;62(1 Suppl 3):E46-E49. Italian. doi: 10.15167/2421-4248/jpmh2021.62.1S3.1913. PMID: 34622083; PMCID: PMC8452282.

Ceraudo M, Cavallo LM, Rossi DC, Solari D, Anania P, Canevari FR, Prior A, Cappabianca P, Zona G. Role of Anterior Nasal Packing in Endoscopic Skull Base Surgery: Italian Survey. *World Neurosurg.* 2021 Oct;154:e406-e415. doi: 10.1016/j.wneu.2021.07.031. Epub 2021 Jul 16. PMID: 34280536.

Iaccarino C, Lippa L, Munari M, Castioni CA, Robba C, Caricato A, Pompucci A, Signoretti S, Zona G, Rasulo FA; Traumatic Brain Injury Section of the Italian Society of Neurosurgery (SINch) and the Neuroanesthesia and Neurocritical Care Study Group of the Italian Society of Anesthesia, Analgesia, Resuscitation and Intensive Care (SIAARTI). Management of intracranial hypertension following traumatic brain injury: a best clinical practice adoption proposal for intracranial pressure monitoring and decompressive craniectomy. Joint statements by the Traumatic Brain Injury Section of the Italian Society of Neurosurgery (SINch) and the Neuroanesthesia and Neurocritical Care Study Group of the Italian Society of Anesthesia, Analgesia, Resuscitation and Intensive Care (SIAARTI). *J Neurosurg Sci.* 2021 Jun;65(3):219-238. doi: 10.23736/S0390-5616.21.05383-2. PMID: 34184860.

Baldassarre B, Balestrino A, D'Andrea A, Anania P, Ceraudo M, Truffelli M, Melloni I, Mavilio N, Castellani L, Zona G, Fiaschi P. Management of spinal aneurysms associated with arteriovenous malformations: systematic literature review and illustrative case. *Eur Spine J.* 2021 Oct;30(10):2767-2774. doi: 10.1007/s00586-021-06881-6. Epub 2021 May 27. PMID: 34043050.

Nista F, Corica G, Castelletti L, Khorrami K, Campana C, Cocchiara F, Zoppoli G, Prior A, Rossi DC, Zona G, Ferone D, Gatto F. Clinical and Radiological Predictors of Biochemical Response to First-Line Treatment With Somatostatin Receptor Ligands in Acromegaly: A Real-Life Perspective. *Front Endocrinol (Lausanne).* 2021 May 7;12:677919. doi: 10.3389/fendo.2021.677919. PMID: 34025586; PMCID: PMC8139627.

Amarù J, Barbieri F, Arvigo M, Solari A, Bajetto A, Nista F, Campana C, Gaggero G, Prior A, Criminelli Rossi D, Zona G, Ferone D, Florio T, Gatto F. Octreotide and Pasireotide Combination Treatment in Somatotroph Tumor Cells: Predominant Role of SST₂ in Mediating Ligand Effects. *Cancers (Basel).* 2021 Apr 10;13(8):1816. doi: 10.3390/cancers13081816. PMID: 33920241; PMCID: PMC8069349.

Anania P, Mirapeix-Lucas R, Zona G, Prior A, Cortes CA, Muñoz Hernandez F. Middle Cranial Fossa Approach: Anatomical Study on Skull Base Triangles as a Landmark for a Safe Anterior Petrosectomy. *J Neurol Surg B Skull Base.* 2021 Apr;82(2):202-207. doi: 10.1055/s-0039-1696957. Epub 2019 Sep 12. PMID: 33777635; PMCID: PMC7987394.

19: Balestrino A, Gondar R, Jannelli G, Zona G, Tessitore E. Surgical challenges in posterior cervicothoracic junction instrumentation. *Neurosurg Rev.* 2021 Dec;44(6):3447-3458. doi: 10.1007/s10143-021-01520-6. Epub 2021 Mar 22. PMID: 33754193.

20: Robba C, Ball L, Battaglini D, Cardim D, Moncalvo E, Brunetti I, Bassetti M, Giacobbe DR, Vena A, Patroniti N, Rocco PRM, Matta BF, Pelosi P; collaborators. Early effects of ventilatory rescue therapies on systemic and cerebral oxygenation in mechanically ventilated COVID-19 patients with acute respiratory distress syndrome: a prospective observational study. *Crit Care.* 2021 Mar 19;25(1):111. doi: 10.1186/s13054-021-03537-1. PMID: 33741052; PMCID: PMC7978164.

21: Prior A, Fiaschi P, Iaccarino C, Stefini R, Battaglini D, Balestrino A, Anania P, Prior E, Zona G. How do you manage ANTICOagulant therapy in neurosurgery? The ANTICO survey of the Italian Society of Neurosurgery (SINCH). *BMC Neurol.* 2021 Mar 3;21(1):98. doi: 10.1186/s12883-021-02126-7. PMID:

33658003; PMCID: PMC7927258.

22: Lofrese G, Scerrati A, Balsano M, Bassani R, Cappuccio M, Cavallo MA, Cofano F, Cultrera F, De Iure F, Biase FD, Donati R, Garbossa D, Menegatti M, Olivi A, Palandri G, Raco A, Ricciardi L, Spena G, Tosatto L, Visani J, Visocchi M, Zona G, De Bonis P. Surgical Treatment of Diffuse Idiopathic Skeletal Hyperostosis (DISH) Involving the Cervical Spine: Technical Nuances and Outcome of a Multicenter Experience. *Global Spine J.* 2021 Feb 16;2192568220988272. doi: 10.1177/2192568220988272. Epub ahead of print. PMID: 33590802.

De Bonis P, Cavallo MA, Sturiale CL, Martellucci C, Flacco ME, Dughiero M, Auricchio AM, Ricciardi L, Raco A, Bortolotti C, Tosatto L, D'Andrea M, Ruggiero M, Mongardi L, ZONA G, Fiaschi P, Cofano F, Garbossa D, Scerrati A. Incidence of hemorrhagic cerebrovascular disease due to vascular malformations during the COVID-19 national quarantine in Italy. *Clin Neurol Neurosurg.* 2021 Jan 19;202:106503. doi: 10.1016/j.clineuro.2021.106503. Epub ahead of print. PMID: 33493878.

Bacigaluppi S, Ivaldi F, Bragazzi NL, Benvenuto F, Gallo F, D'Andrea A, Severi P, Uccelli A, ZONA G. An Early Increase of Blood Leukocyte Subsets in Aneurysmal Subarachnoid Hemorrhage Is Predictive of Vasospasm. *Front Neurol.* 2020 Dec 21;11:587039. doi: 10.3389/fneur.2020.587039. PMID: 33408685; PMCID: PMC7779675.

Iaccarino C, Kolas A, Adelson PD, Rubiano AM, Viaroli E, Buki A, Cinalli G, Fountas K, Khan T, Signoretti S, Waran V, Adeleye AO, Amorim R, Bertuccio A, Cama A, Chesnut RM, De Bonis P, Estraneo A, Figaji A, Florian SI, Formisano R, Frassanito P, Gatos C, Germanò A, Giussani C, Hossain I, Kasprzak P, La Porta F, Lindner D, Maas AIR, Paiva W, Palma P, Park KB, Peretta P, Pompucci A, Posti J, Sengupta SK, Sinha A, Sinha V, Stefini R, Talamonti G, Tasiou A, ZONA G, Zucchelli M, Hutchinson PJ, Servadei F. Consensus statement from the international consensus meeting on post-traumatic cranioplasty. *Acta Neurochir (Wien).* 2021 Feb;163(2):423-440. doi: 10.1007/s00701-020-04663-5. Epub 2020 Dec 22. PMID: 33354733; PMCID: PMC7815592.

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV.