

Santino Ottavio Tomasi, Professor, PD, MD, FACS

Neurosurgery Expert

Over 16 years of neurosurgical experience with proven expertise in microsurgery of spinal tumors and skull base. Extensive international research, laboratory, training, and professional experience. Solid leadership skills; able to coordinate department's administrative, operational, and financial programs. Talent for training and tutoring medical students and junior team members.

Selected Achievements

- First neurosurgeon in Europe to apply the “splitting technique” for the treatment of lumbosacral spinal stenosis and top contributor to the development of a surgical device for this type of intervention.
- Recipient of multiple grants and awards
 - Andlinger Residency Fellowship 2018
 - Paracelsus Medical University Short-Term Fellowship 2018
 - Bronze Medal Science Award 2018 for the 11th edition of the Paracelsus Science Award
 - 3rd Prize - Oral Presentation *Role of three-dimensional navigation, intraoperative multiplanar imaging and augmented reality in complex spine revision surgery* for the 14th New York City MIS, Endoscopy, Robotics 3D Navigation & Augmented Reality Spine Symposium
 - 2nd Prize – Paracelsus Prize 2021 “*Importance of Veins for Neurosurgery as Landmarks Against Brain Shifting Phenomenon: An Anatomical and 3D-MPRAGE MR Reconstruction of Superficial Cortical Veins*”
 - 2nd Prize – Paracelsus Prize 2022 - Best publication by a first author “*Perforating Arteries of the Lemniscal Trigone: A Microsurgical Neuroanatomic Description*”
- Member of the Austrian Board of Neurological Surgery
- Fellow of the American College of Surgeons (FACS)
- Privat Dozent – Venia Docendi for Neurosurgery

Education & Credentials

Doctor of Medicine (M.D.), Medicine, 2005
University of Catania, Italy, Summa Cum Laude: 110/110

Medical License In Italy and inscription at the Medical College of Ragusa, Italy – ID 2476

Skull Base Fellow at the Surgical Innovations Laboratory for Skull Base and Microneurosurgery, Weill Cornell Medical College of Cornell University, New York, USA - 2018

Austrian Board of Neurological Surgery – Vienna, Austria, 2017

Fellow, American College of Surgeons (FACS) – Washington, DC, 2021

Harvard BOK Higher Education Teaching Certificate, Harvard University, Boston, USA, 2022

Venia Docendi for Neurosurgery – Paracelsus Medical University Salzburg, Austria, 2022

Fully registered as Consultant in Neurosurgery in the Dubai Medical Registry – DHA Unique ID 69754322

Career Experience

AUVA Unfallkrankenhaus Salzburg, Austria 9/2022 – to present
Consultant Neurosurgeon

Department of Neurosurgery - Policlinico G.B. Morgagni Catania, Italy 2/2022 – to present

Department of Spine Surgery - Clinica Morgagni Ragusa, Italy 9/2023 – to present

Department of Neurosurgery, Christian-Doppler-Klinik, Paracelsus Private Medical University, Salzburg 9/2012 – 9/2022
Consultant / Specialist

Assess patient's condition to determine most appropriate course of action for the stabilisation and improvement of condition. Manage neurosurgical operations and emergencies, including planning, scheduling, OR operations, and post-surgery care. Consult with other physicians and actively promote improvements to current department processes and procedures.

- Updated the current risk check list for all operations at the clinic, resulting in superior accuracy and compliance with external certification company requirements.
- Designed and instituted improved documentation for the morbidity and mortality (M&M) conferences held at the clinic.
- Facilitated positive patient outcome for hundreds of patients, conducting microsurgery of spinal tumors and skull base and treating spinal deformities and/or brain damage.
- Contributed to scientific activities and research, while continuously improving own understanding of newest developments in the neurological surgery field.
- Administered training programs for specialists and students, fellowships in microsurgical neuroanatomy at facilities, and provided consultancy services for the development of microsurgical neuroanatomy laboratories and/or fellowships.
- Cultivated a network of multicultural neurosurgery specialists and earned scientific recognition on an international level, increasing the facility's visibility.

Skull Base Fellowship at the Surgical Innovations Laboratory for Skull Base and Microneurosurgery, Weill Cornell Medical College of Cornell University, New York, USA, 3/2018-5/2018

Resident in Neurosurgery at the Neuro- und Wirbelsäulenzentrum Hirslanden Zentralschweiz (NHZ) - Hirslanden Klinik St. Anna Luzern, Switzerland, 6/2011-8/2012

Resident at the Department of Neurosurgery, Kantonsspital Aarau (KSA), Switzerland, 10/2009-5/2011

Resident at the Department of Neurosurgery at the Hôpital Erasme, Université Libre de Bruxelles (ULB), Bruxelles, Belgium, 9/2008-9/2009

Resident at the Department of Neurosurgery, Ospedale Civile Maggiore di Verona, Verona, Italy, 7/2006-6/2008

Courses

1. Certificate of attendance at the Satellite symposium on "Neuroinflammation as therapeutic target in neurodegeneration". Catania, Sicily-Italy, May 16-17, 2004
2. Certificate of attendance at the symposium "Occhio e malattie demielinizzanti". Ordine dei Medici di Catania – Catania, Sicily-Italy, May 29th, 2004
3. "Giornate di studio sulla sclerosi multipla". Castello di Donnafugata - Ragusa, Sicily-Italy, July 9-10, 2004
4. Giornate siracusane di neurologia – Simposio di neurofisiologia clinica. Palazzo Vermexio – Siracusa, Sicily-Italy, October 23rd, 2004
5. Update course on multiple sclerosis: from the present to the future. Villa Criscione – Ragusa, Sicily- Italy, November 5-6, 2004
6. Update in Gamma Knife Surgery – Meeting Internazionale in occasione dell'inaugurazione del Centro Gamma Knife di Catania. Centro Congressi – Azienda Ospedaliera Cannizzaro, Catania, Sicily-Italy, January 28-29, 2005
7. Formation course "La giornata della ricerca sull'ictus 2005". Ragusa, Sicily-Italy, December 17th 2005
8. Congress "The Chiari Day". Centro Medico Culturale "G. Marani" – Verona, Italy, September 22nd 2006
9. Update course "Il grave traumatizzato cranico : il percorso di diagnosi e cura". Centro Medico Culturale "G. Marani" – Verona, Italy, September 23rd 2006
10. Certificate of attendance at the Course "Intraoperative Neurophysiological Monitoring in Neurosurgery". Centro Congressi GSK – Verona, Italy, September 29-30, 2006
11. Update on Neurooncology. Centro Medico Culturale "G. Marani" – Verona, Italy, September 23rd 2006

12. International Congress of Neuro Radiosurgery and Stereotactic Radiotherapy – state of the art and future perspectives. Hotel Leon D’Oro – Verona, Italy, March 8-10, 2007
13. Interuniversity Seminar Neurosurgery “Spine: Degenerative Lesions” - Pullman Brussels Airport Brussels, Bruxelles, Belgium, November 07th 2008
14. Interuniversity Seminar Neurosurgery “Craniocerebral Trauma” –Pullman Airport Brussels, Bruxelles, Belgium, June 5th 2009
15. Annual Scientific Meeting of the Belgian Society of Neurosurgery – Liège, Belgium, March 21st 2009. Présentation Poster “Narciclasine, a plant growth modulator showing anti- glioblastoma activity in vitro and in vivo in human preclinical glioblastoma models”
16. Certificate of attendance at the Course in Microsurgery, Laboratory of Microsurgery – Department of Neurosurgery – University Hospital Zürich – Zürich, Switzerland March 8-12, 2010
17. Certificate of attendance at the 1st Congress Swiss Federation of Clinical Neuro-Societies SFCNS – Basel, Switzerland, June 2-4, 2010. Poster Presentation “Multiple Extra- and Intradural and Extra- and Intramedullary Ependymomas of the Thoracic and Lumbar Spine: Case Report”
18. Certificate of attendance at the Swiss Young Neurosurgeons (SYNS) – Symposium – Glion, Switzerland, September 3-5, 2010
19. The 4th International Symposium and Hands-on Course on Spine Instrumentation - Maribor, Slovenia, from September 29th to October 1st 2011
20. Orbis/Nice-Schulung für ÄrztInnen 21.11.2012
21. Member of Faculty at the 1st Salzburg Hands-on Workshop on Microsurgical and Endovascular Techniques for Cerebral Revascularization, Salzburg, Austria December 12-15, 2012
22. Member of Faculty at the 4th Salzburg Hands on Course in Basic Anatomy for Neurosurgery in Salzburg, Austria - from February 28th to March 2nd 2013
23. Certificate of attendance at the Jahrestagung der Sektion für endoskopische Neurochirurgie, Neuronavigation und intraoperative Bildgebung der DGNC – Zürich, Switzerland March 15-16, 2013
24. Certificate of attendance at the Sektionstagung Mikrochirurgie und Neuroanatomie der DGNC – Ingolstadt, Germany March 22-23, 2013
25. Certificate of attendance at the 4th London-Innsbruck Colloquium on Status Epilepticus and Acute Seizures – Salzburg, Austria April 4-6, 2013
26. Certificate of attendance at the Neurosurgical Craniotomy Course, Berne, Switzerland November 28-30, 2013
27. Certificate of attendance at the 2nd Salzburg Hands-on Workshop on Microsurgical and Endovascular Techniques for Cerebral Revascularization, Salzburg, Austria December 4-7, 2013
28. Member of Faculty at the 2nd Salzburg Hands-on Workshop on Microsurgical and Endovascular Techniques for Cerebral Revascularization, Salzburg, Austria December 4-7, 2013
29. Member of Faculty at the 5th Salzburg Hands on Course in Basic Anatomy for Neurosurgery in Salzburg, Austria from February 27th to March 1st 2014
30. Eurospine Diploma, April 2014 - Strasbourg, France
31. Certificate of attendance at the 50. Jahrestagung der Österreichischen Gesellschaft für Neurochirurgie / 50th annual meeting of the Austrian Society of Neurosurgery (ÖGNC), Wien, Austria October 9-10, 2014
32. Member of Faculty at the 3rd Salzburg Hands-on Workshop on Microsurgical and Endovascular Techniques for Cerebral Revascularization, Salzburg, Austria December 10-13, 2014
33. Member of Faculty at the 6th Salzburg Hands on Course in Basic Anatomy for Neurosurgery in Salzburg, Austria February 25-27, 2015
34. Certificate of attendance at the 44. Jahrestagung der Sektion für Mikrochirurgie und Neuroanatomie der DGNC – Salzburg, Austria February 27-28, 2015
35. Certificate of attendance at the Congresso Regionale SNO - Neurologia 3.0 - Ragusa, Italy May 8-9, 2015
36. Certificate of attendance at the 2015 CNS 3-D Surgical Anatomy Course for Senior Residents August 20-23, 2015 Houston, Texas (USA)
37. AANS/CNS Joint Cerebrovascular Section Annual Meeting - February 15-16, 2016 - Los Angeles, CA (USA)
38. Member of Faculty at the 7th Salzburg Hands on Course in Basic Anatomy for Neurosurgery in Salzburg, Austria February 25-27, 2016
39. Seminar Congress of Anesthesia and Intensive Care Garmisch-Partenkirchen, Germany March 6-11, 2016
40. Member of Faculty at the 5th Salzburg Hands-on Workshop on Microsurgical and Endovascular Techniques for Cerebral Revascularization, Salzburg, Austria from November 30th to December 3rd 2016
41. Member of Faculty at the 8th Salzburg Hands on Course in Basic Anatomy for Neurosurgery in Salzburg, Austria February 23-25, 2017
42. Sixth Annual World Course in Advanced Brain Tumor Surgery - Bafta, 195 Piccadilly, June 7-11, 2017, London, UK
43. Member of Faculty at the 6th Salzburg Hands-on Workshop on Microsurgical and Endovascular Techniques for Cerebral Revascularization, Salzburg, Austria from November 29th to December 2nd, 2017
44. Member of Faculty at the 8th Salzburg Hands on Course in Basic Anatomy for Neurosurgery in Salzburg, Austria February 23-25, 2018
45. Skull Base Fellowship at the Surgical Innovations Laboratory for Skull Base and Microneurosurgery at the Weill Cornell Medical College of Cornell University New York, March 1st - May 31st 2018, New York, USA
46. Member of Faculty at the 9th Salzburg Hands on Course in Basic Anatomy for Neurosurgery in Salzburg, Austria – February 2019
47. Course „Aggression-, Gewalt-, und Deeskalationsmanagement“ 25.06.2019 - 26.06.2019, 16h – 8 DFP

48. Member of Faculty at the 10th Salzburg Hands on Course in Basic Anatomy for Neurosurgery in Salzburg, Austria February 2020
49. Course „Führungsimpulse 3: Positive Leadership“ – 23.9.2020, 4h. 4 DFP
50. Course Führungsimpulse 1: Zukunftsfähige Führung in einer sich verändernden Welt - 29.9.2020, 4h - 4 DFP = 0,6 Punkte
51. Oral Presentation "Role of three-dimensional navigation, intraoperative multiplanar imaging and augmented reality in complex spine revision surgery" for the 14th New York City MIS, Endoscopy, Robotics, 3D Navigation & Augmented Reality Spine Symposium: Case Based and Global – NYC – MISS 2020 – Virtual Live Stream – Weill Cornell Medicine – Neurological Surgery – December 10-12, 2020
52. Member of Faculty at the 10th Salzburg Hands-on Workshop on Microsurgical and Endovascular Techniques for Cerebral Revascularization, Salzburg, Austria from March 10th to March 12th, 2022
53. Tutor for the 1st Comprehensive Berlin Anatomy Course – Anatomical Basis for Neurosurgery – Charité, Berlin, Germany – November 18-20, 2022
54. Speaker for the 20th Annual World Congress of SBMT 2023 – Los Angeles, CA – USA – February 16-19, 2023
55. Tutor and Instructor in the organization and participation in the BioSkillsLab Neurovascular & Spine for the 20th Annual World Congress of SBMT 2023 – Los Angeles, CA – USA – February 17, 2023

Publications

1. Battaglia F, Giunta N, Musco R, **Tomasi SO**, Sorbello V, Laisa P. *Aspetti neuropsicologici nell' amnesia globale transitoria*. Estratto dal "Bollettino della Società Medico Chirurgica di Catania" Volume LXXIII – Gennaio-Dicembre 2004
2. Guntta N, Sorbello V, Musco R, **Tomasi SO**, Laisa P, Favara M, Battaglia F. *Riabilitazione cognitive del disturbo afasico*. Estratto dal "Bollettino della Società Medico Chirurgica di Catania" Volume LXXIII – Gennaio-Dicembre 2004
3. Lampuri T, Raudino G, **Tomasi SO**, Spampinato B, Raciti G, Laisa P, Musco R, Matta F. *Convulsioni febbrili ed epilessia del lobo temporale. Caratteristiche cliniche di un campione afferente al Centro per le Epilessie dell'Università di Catania*. Estratto dal "Bollettino della Società Medico Chirurgica di Catania" Volume LXXIV – Gennaio- Dicembre 2005
4. Lampuri T, Raudino G, **Tomasi SO**, Spampinato B, Raciti G, Laisa P, Favara M, Sorbello V. *Sclerosi multipla ad esordio giovanile. Caratteristiche cliniche di un campione afferente al Centro Sclerosi Multipla dell'Università di Catania*. Estratto dal "Bollettino della Società Medico Chirurgica di Catania" Volume LXXIV – Gennaio- Dicembre 2005
5. **O. Tomasi**, F. Lefranc. *Narciclasine, a plant growth modulator showing anti-glioblastoma activity in vitro and in vivo in human preclinical glioblastoma models* – Poster - Annual Scientific Meeting of the Belgian Society of Neurosurgery – Liège, 21 March 2009
6. **O. Tomasi**, V. Mathieu, G. VanGoiesenove, S. Spiegl-Kreinecker, W. Berger, F. Lefranc. *Narciclasine, a plant growth modulator showing anti-glioblastoma activity in vitro and in vivo in human preclinical glioblastoma models*. Surgical Neurology Volume 72, Issue 5, Page 525, November 2009
7. Djedid R, **Tomasi O**, Haidara A, Rynkowski M, Lefranc F. *Glioblastoma treatment in 2010*. Rev Med Brux. 2009 Sep-Oct;30(5):496-505
8. **O. Tomasi**, S. Marbacher, D. Coluccia, H. Landolt, J. Fandino. *Multiple Extra- and Intradural Extra- and Intramedullary Ependymomas of the Thoracic and Lumbar Spine: Case Report* - Poster - 1st Congress Swiss Federation of Clinical Neuro-Societies SFCNS – Basel, Switzerland, 2-4 June 2010
9. Marbacher S, **Tomasi O**, Fandino J. *Management of Patients Presenting with Acute Subdural Hematoma due to Ruptured Intracranial Aneurysm*. Int J Vasc Med. 2012;2012:753596. Epub 2012 Mar 1
10. O. Hausmann, **S.O. Tomasi**. *Radicular pain from lumbar stenosis in addition to pre-existeting phantom limb pain and disappearance of pain after lumbar decompression: Case Report* - Poster - Jahrestagung Schweizerische Neurologische Gesellschaft (SNG) / Société Suisse de Neurochirurgie (SSN) - Congress Centre Kursaal Interlaken, Switzerland 17-18 November 2011
11. **Tomasi SO**, Ghani I, Waldvogel D, Hausmann O. *Radicular Pain from Lumbar Canal Stenosis in Addition to Pre-Existing Phantom Limb Pain*. J Neurol Surg A Cent Eur Neurosurg. 2013 Dec;74 Suppl 1:e92-5. Epub 2013 Feb 20
12. O. N. Hausmann, O. Boss, B. Baurle, **O. Tomasi**, F. Sgier. *Lumbar total disc replacement: correlation of clinical outcome and radiological parameters* – Poster - Global Spine Congress - Hong Kong Exhibition and Convention Centre, Hong Kong April 4–6 2013
13. Peter A. Winkler, **S. Ottavio Tomasi**. *Crossover technique for recessotomy and ligamentectomy with special microanatomical aspects of the far lateral ligamentum flavum – a microsurgical-neuroanatomical study*. - Poster - 64th Annual Meeting of the German Society of Neurosurgery (DGNC), Düsseldorf 26 - 29 May 2013
14. Peter A. Winkler, Cornelia Daller, **S. Ottavio Tomasi**. *Dorsal perforating arteries to the basal ganglia and the brainstem – the lemniscal trigone group of dorsal perforation zones and their implications for microsurgical and endovascular aneurysm treatment in a hybrid model – a microsurgical neuroanatomical study* – Poster - 64th Annual Meeting of the German Society of Neurosurgery (DGNC), Düsseldorf 26 - 29 May 2013
15. Boss OL, **Tomasi SO**, Baurle B, Sgier F, Hausmann ON. *Lumbar total disc replacement: correlation of clinical outcome and radiological parameters*. Acta Neurochir (Wien). 2013 Oct;155(10):1923-30. Epub 2013 Jun 8

16. Cavanilles-Walker JM, **Tomasi SO**, Sgier F, Kröber M. *Remote cerebellar haemorrhage after lumbar spine surgery: case report*. Arch Orthop Trauma Surg. 2013 Dec;133(12): 1645-8
17. Cavanilles-Walker JM, Ballesterero C, Iborra M, Ubierna MT, **Tomasi SO**. *Adult Spinal Deformity: Sagittal Imbalance - Editorial*. Int Journal of Orthopaedics 2014 October 23 1(3): 64-72
18. **Tomasi SO**, Anton JV, Winkler PA. *Erste Meningeomoperation und Francesco Durante – seine Wiener und europäische Reise - Lecture - Oral Presentation*. Jahrestagung der Österreichischen Gesellschaft für Neurochirurgie / 50th annual meeting of the Austrian Society of Neurosurgery (ÖGNC), Wien 9-10 October 2014
19. **SO Tomasi**, C. Daller, PA Winkler. *Die dorsolaterale Perforanzzone im Trigonum lemnisci als neue Landmarke für die Hirnstamm- chirurgie - eine mikroanatomische Studie- Lecture - Oral Presentation - 51. Jahrestagung der Österreichischen Gesellschaft für Neurochirurgie (ÖGNC), Universität Mozarteum Salzburg, 2.-3. Oktober 2015*
20. **SO Tomasi**, PA Winkler. *The Dorsolateral Perforating Zone in the Lemniscal Trigone as a New Landmark for Brainstem Surgery. A Micro Anatomical Study - Digital Poster Presentation - AANS/CNS Joint Cerebrovascular Section Annual Meeting - February 15-16, 2016 - Los Angeles, CA*
21. **SO Tomasi**. *The Dorsolateral Perforating Zone in the Lemniscal Trigone as a New Landmark for Brainstem Surgery. A micro-anatomical Study*. Digital Poster Presentation - EANS Annual Meeting, October 1-5, 2017 - Venezia, Italy
22. Liedlgruber, M; Butz, K; Holler Y; Kuchukhidze, G; Taylor, A; **Tomasi, O**; Trinkka, E; Uhl, A *Variability Issues in Automated Hippocampal Segmentation: A study on out-of- the-box software and multi-rater ground truth*. COMP MED SY. 2016; 191-196
23. Höller Y, Butz K, Thomschewski A, Schmid E, Uhl A, Bathke AC, Zimmermann G, **Tomasi SO**, Nardone R, Staffen W, Höller P, Leitinger M, Höfler J, Kalss G, Taylor AC, Kuchukhidze G, Trinkka E. *Reliability of EEG Interactions Differs between Measures and Is Specific for Neurological Diseases*. Front Hum Neurosci. 2017 Jul 5;11:350. doi:10.3389/fnhum.2017.00350. eCollection 2017
24. Höller Y, Tadzic A, Thomschewski AC, Höller P, Leis S, **Tomasi SO**, Hofer C, Bathke A, Nardone R, Trinkka E. *Factors Affecting Volume Changes of the Somatosensory Cortex in Patients with Spinal Cord Injury: To Be Considered for Future Neuroprosthetic Design*. Front Neurol. 2017 Dec 11;8:662. doi: 10.3389/fneur.2017.00662. eCollection 2017
25. Wang, M; Chae, R; Shehata, J; Vigo, V; Raygor, KP; **Tomasi, SO**; McDermott, MW; Abila, AA; El-Sayed, IH; Rodriguez Rubio, R. *Comparative analysis of surgical exposure and freedom between the subtonsillar, endoscope-assisted subtonsillar, and far-lateral approaches to the lower clivus: A cadaveric study*. J Clin Neurosci. 2020; 72:412-419
26. **Tomasi SO**; Winkler PA. *Letter: "The Most Interesting Man in the World" - A Tribute to Dr. James Tait Goodrich*. Neurosurgery 2020
27. **Tomasi, SO**; Umana, GE; Scalia, G; Winkler, PA. *In Reply: Rongeurs, Neurosurgeons, and COVID-19: How Do We Protect Health Care Personnel During Neurosurgical Operations in the Midst of Aerosol-Generation From High-Speed Drills?* Neurosurgery 2020
28. Robertson, FC; Esene, IN; Koliass, AG; Khan, T; Rosseau, G; Gormley, WB; Park, KB; Broekman, MLD. *Global Perspectives on Task Shifting and Task Sharing in Neurosurgery*. World Neurosurg X. 2020; 6:100060
29. Raudino, G; Umana, GE; **Tomasi, SO**; Priola, S; Montemagno, GF; Scalia, G; *Letter to the Editor Regarding "Normal Pressure Hydrocephalus and Parkinsonism: Preliminary Data on Neurosurgical and Neurological Treatment"*. World Neurosurg. 2020; 140:435
30. Nicoletti, GF; Umana, GE; Chaurasia, B; Ponzo, G; Giuffrida, M; Vasta, G; **Tomasi, SO**; Graziano, F; Cicero, S; Scalia, G. *Navigation-assisted extraforaminal lumbar disc microdiscectomy: Technical note*. J CRANIOVERTEBRAL JU. 2020; 11(4): 316-320
31. Ganau, M; Netuka, D; Broekman, M; Zoia, C; Tsianaka, E; Schwake, M; Balak, N; Sekhar, A; Ridwan, S; Clusmann, H; *Neurosurgeons and the fight with COVID-19: a position statement from the EANS Individual Membership Committee*. Acta Neurochir (Wien). 2020; 162(8): 1777-1782
32. Chaurasia, B; Deora, H; El-Ghandour, NMF; Oyesiku, NM; Chaurasia, RK; Schulder, M; Soriano Sanchez, JA; Teo, M; Hernesniemi, J; Linzey, JR; Schwartz, TH; Cohen-Gadol, AA; Lawton, M; Umana, G; Mura, J; Grotenhuis, A; Sinha, AK; Schroeder, HWS; Natarajan, S; Sughrue, ME; Spetzler, RF; Drummond, K; Tanikawa, R; Seixo Kadri, PAD; Kato, Y; Teo, C; Suri, A; **Tomasi, SO**; Winkler, PA; Scalia, G; Sampron, N; Rasulic, L; Cappabianca, P; Fontanella, MM; Laws, ER. *In Memoriam: A Memoir for Our Fallen "Heroes"*. Neurosurgery, 2020
33. Gianluca Scalia, Giuseppe Emmanuele Umana, Francesca Graziano, **Santino Ottavio Tomasi**, Massimo Furnari, Massimiliano Giuffrida, Giancarlo Ponzo, Giovanni Federico Nicoletti. *Letter: Image-Guided Navigation and Robotics in Spine Surgery*. Neurosurgery, 2020
34. **S. Ottavio Tomasi**, Giuseppe Emmanuele Umana, Giuseppe Raudino, Gianluca Scalia, Mario Ganau, Peter A. Winkler. *In Reply: Neurosurgery and Coronavirus (CoVid-19) Epidemic: Doing our Part*. Neurosurg Open. 2020; 1(4):okaa011
35. Mario Ganau, Davide Simonato, Nikolaos Syrmos, **Santino O. Tomasi**, Peter A. Winkler, Lara Prisco. *The continuous quest for more tailored approach to anesthetic management of patients undergoing endovascular therapy for acute stroke*. Journal of NeuroInterventional Surgery, 2020
36. **S. Ottavio Tomasi**; Peter A. Winkler. *Letter to the Editor Regarding "Learning Curve and Minimally Invasive Spine Surgery"*. World Neurosurg. 2021; 145: 530-531
37. **Santino Ottavio Tomasi**; Giuseppe Emmanuele Umana; Gianluca Scalia; Roberto Luis Rubio-Rodriguez; Pier Francesco Cappai; Crescenzo Capone; Giuseppe Raudino; Bipin Chaurasia; Maurizio Salvati; Nicolas Jordan; Peter A Winkler. *Importance of Veins for Neurosurgery as Landmarks Against Brain Shifting Phenomenon: An Anatomical and 3D-*

MPRAGE MR Reconstruction of Superficial Cortical Veins. *Front Neuroanat.* 2020 Dec 15;14:596167.doi: 10.3389/fnana.2020.596167. eCollection 2020

38. Umana, GE; Teli, M; Chaurasia, B; Passanisi, M; Longo, G; Spitaleri, A; Fricia, M; **Tomasi, SO**; Ponzio, G; Nicoletti, GF; Cicero, S; Visocchi, M; Scalia, G. *Roy-Camille Type 3 suicidal jumpers fractures: Case series and review of the literature.* *J Craniovertebr Junction Spine.* 2021; 12(2):149-156
39. Umana, Giuseppe Emmanuele; Scalia, Gianluca; Spitaleri, Angelo; Alberio, Nicola; Fricia, Marco; **Tomasi, Santino**; Nicoletti, Giovanni; Cicero, Salvatore. *Use of gelatin-thrombin hemostatic matrix for control of ruptured cerebral aneurysm.* *J Neurol Surg A Cent Eur Neurosurg.* 2021
40. Umana, GE; Scalia, G; Vats, A; Pompili, G; Barone, F; Passanisi, M; Graziano, F; Maugeri, R; Tranchina, MG; Cosentino, S; Ippolito, M; **Tomasi, SO**; Raudino, G; Chaurasia, B; Iacopino, DG; Nicoletti, GF; Cicero, S; Strigari, L; Perrotta, RE. *Primary Extracranial Meningiomas of the Head and Neck.* *Life (Basel).* 2021; 11(9)
41. Barone, F; Inserra, F; Scalia, G; Ippolito, M; Cosentino, S; Crea, A; Sabini, MG; Valastro, L; Patti, IV; Mele, S; Acquaviva, G; Tocco, A; Tamburo, M; Graziano, F; **Tomasi, OS**; Maugeri, R; Iacopino, G; Cicero, S; Strigari, L; Umana, GE. *Ga-DOTATOC PET/CT Follow Up after Single or Hypofractionated Gamma Knife ICON Radiosurgery for Meningioma Patients.* *Brain Sci.* 2021; 11(3)
42. Umana, GE; Scalia, G; Palmisciano, P; Passanisi, M; Da Ros, V; Pompili, G; Barone, F; Amico, P; **Tomasi, SO**; Graziano, F; Patti, IV; Mele, S; Maugeri, R; Raffa, G; Giammalva, GR; Iacopino, GD; Germanò, A; Nicoletti, GF; Ippolito, M; Sabini, MG; Cicero, S; Strigari, L; Cuttone, G. *Acrometastases to the Hand: A Systematic Review.* *Medicina (Kaunas).* 2021; 57(9)
43. Umana, GE; Scalia, G; Fricia, M; Nicoletti, GF; Iacopino, DG; Maugeri, R; **Tomasi, SO**; Cicero, S; Alberio, N. *Diamond-Shaped Mini-Craniotomy: A New Concept in Neurosurgery.* *J Neurol Surg A Cent Eur Neurosurg.* 2021
44. Umana, GE; Alberio, N; Graziano, F; Fricia, M; **Tomasi, SO**; Corbino, L; Nicoletti, GF; Cicero, S; Scalia, G. *Vertebrobasilar Dolichoectasia, Hypoplastic Third Ventricle, and Related Biventricular Hydrocephalus: Case Report and Review of the Literature.* *J Neurol Surg A Cent Eur Neurosurg.* 2021
45. Umana, GE; Pucci, R; Palmisciano, P; Cassoni, A; Ricciardi, L; **Tomasi, SO**; Strigari, L; Scalia, G; Valentini, V. *Cerebrospinal Fluid Leaks Following Anterior Skull Base Trauma: A Systematic Review of the Literature.* *World Neurosurg.* 2021
46. Giuseppe E. Umana, Gianluca Scalia, Kaan Yagmurlu, Rosalia Mineo, Simone Di Bella, Matteo Giunta, Angelo Spitaleri, Rosario Maugeri, Francesca Graziano, Marco Fricia, Giovanni F. Nicoletti, **Santino O. Tomasi**, Giuseppe Raudino, Bipin Chaurasia, Gianluca Bellocchi, Maurizio Salvati, Gerardo Iacopino, Salvatore Cicero, Massimiliano Visocchi and Lidia Strigari. *Multimodal simulation of a novel device for a safe and effective external ventricular drain placement.* *Front. Neurosci.* | doi: 10.3389/fnins.2021.690705
47. **Tomasi, SO**; Winkler, PA. *Letter to the Editor Regarding "Learning Curve and Minimally Invasive Spine Surgery".* *World Neurosurg.* 2021; 145: 530-531
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Grants & Awards

- Andlinger Residency Fellowship - American Austrian Foundation 2018 - 2000 \$
- Paracelsus Medical University Short Term Fellowship 2018 - 18000 Euros
- Bronze Medal Science Award 2018 for the 11th Edition of the Paracelsus Science Award 2018
- 3rd Prize - Oral Presentation Role of three-dimensional navigation, intraoperative multiplanar imaging and augmented reality in complex spine revision surgery for the 14th New York City MIS, Endoscopy, Robotics, 3D Navigation & Augmented Reality Spine Symposium: Case Based and Global - NYC - MISS 2020 - Virtual Live Stream - Weill Cornell Medicine - Neurological Surgery - December 10-12, 2020
- 2nd Prize - Paracelsus Prize 2021 - "Best publication by a first author"
Importance of Veins for Neurosurgery as Landmarks Against Brain Shifting Phenomenon: An Anatomical and 3D-MPRAGE MR Reconstruction of Superficial Cortical Veins. Santino Ottavio Tomasi et al. Neuroanat. 2020 Dec 15;14:596167. doi: 10.3389/fnana.2020.596167. eCollection 2020
- 2nd Prize - Paracelsus Prize 2022 - "Best publication by a first author"
Perforating Arteries of the Lemniscal Trigone: A Microsurgical Neuroanatomic Description. Santino Ottavio Tomasi et al. Front Neuroanat. 2021; 15:675313
- European Association of Neurosurgical Societies (EANS) INDIVIDUAL MEMBER DELEGATE
- Skull Base Fellowship at the Surgical Innovations Laboratory for Skull Base and Microneurosurgery at the Weill Cornell Medical College of Cornell University New York, USA
- Fellow, American College of Surgery (USA)
- Venia Docendi for Neurosurgery / Privat Dozent für Neurochirurgie- Paracelsus Medical University Salzburg, Austria, 2022
- Mizuho Minimally Invasive Brain Tumor Surgery Award "Standardization of Strategies to Perform a Parafascicular Tubular Approach for the Resection of Brain Tumors in Eloquent Areas" - 2023 American Association of Neurological Surgeons (AANS) Annual Scientific Meeting

Membership

- American Association of Neurological Surgery (AANS)
- Congress of Neurological Surgeons (CNS)
- European Association of Neurological Surgery (EANS)
- American College of Surgery (ACS)
- AO Foundation/AO Spine (Arbeitsgemeinschaft für Osteosynthesefragen/Association for the Study of Internal Fixation)
- Austrian Society for Neurosurgery / Österreichischen Gesellschaft für Neurochirurgie (ÖGNC)
- North American Spine Society (NASS)
- Society for Minimally Invasive Spine Surgery (SMISS)
- Society for Brain mapping and Therapeutics (SBMT)

Editorial Review Board

- Review Editor for Frontiers in Neurology
- Guest Associate Editor for Frontiers in Endovascular and Interventional Neurology
- BMJ Case Reports

Editorial Board Member

- International Journal of Orthopaedics (IJO)

Review Board

- World Neurosurgery
- Frontiers
- Journal of Clinical Medicine
- Diagnostics

Languages

- Italian (Native)
- French (Proficient)
- English (English Language Certification, UK, 2008)
- German (Österreichisches Sprachdiplom Deutsch - ÖSD 2012)