



Alberto Di Somma

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WORK EXPERIENCE

Neurosurgeon

Hospital Clinic de Barcelona [25/08/2018 – Current]

Address: Carrer Villaroel, 170, 08036 Barcelona (Spain)

Website: hospitalclinic.org

Name of unit or department: Institut Clínic de Neurociències (ICN), Department of Neurological Surgery

Associate Professor of Human Anatomy

Facultat de Medicina i Ciències de la Salut, Universitat de Barcelona [15/09/2019 – Current]

Address: Carrer de Casanova, 143, 08036 Barcelona (Spain)

Website: ub.edu

Email address: adisomma@ub.edu

Name of unit or department: Departament de Cirurgia i Especialitats Medicoquirúrgiques

Scientific Coordinator of the Laboratory of Surgical NeuroAnatomy (LSNA)

Accredited Researcher (R3A)

Institut d'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS) [05/05/2022 – Current]

Address: Carrer del Rosselló, 149, 08036 Barcelona (Spain)

Resident in Neurosurgery

School of Medicine, Università degli Studi di Napoli "Federico II" [08/08/2013 – 08/08/2018]

Address: Via S. Pansini, 5, 08131 Napoli (Italy)

Name of unit or department: Division of Neurosurgery (Chairman: Prof. Paolo Cappabianca)

Qualified with 50/50 cum laude and mention to the career

Resident Fellow in Neurosurgery

Hospital Universitario Virgen del Rocío [01/09/2017 – 30/05/2018]

Address: Av. Manuel Siurot, S/n, 41013 Sevilla (Spain)

Name of unit or department: Division of Neurosurgery (Chairman: Prof. Javier Marquez-Rivas)



Resident Fellow in Neurosurgery

Hospital Clinic de Barcelona [01/03/2016 – 30/08/2016]

Address: Carrer de Villaroel, 170, 08036 Barcelona (Spain)

Name of unit or department: Division of Neurosurgery (Chairman: Prof. Joaquim Enseñat)

Resident Fellow in Neuroanatomy

Facultat de Medicina i Ciències de la Salut, Universitat de Barcelona [01/03/2016 – 30/08/2016]

Address: Carrer de Casanova, 143, 08036 Barcelona (Spain)

Name of unit or department: Laboratory of Surgical Neuroanatomy (LSNA) (Director: Prof. Alberto Prats-Galino)

Resident Scholar in Neuroanatomy

University of Cincinnati (UC) College of Medicine, UC Neuroscience Institute, Mayfield Clinic [01/01/2016 – 29/02/2016]

Address: 3230 Eden Ave, 45267 Cincinnati, Ohio (United States)

Name of unit or department: Dept. of Neurosurgery & GoodYear Lab (Chairmen: Prof. Mario Zuccarello & Prof. Norberto Andaluz)

Intern Medical Doctor

Facultat de Medicina i Ciències de la Salut, Universitat de Barcelona [25/09/2012 – 26/10/2012]

Address: Carrer de Casanova, 143, 08036 Barcelona (Spain)

Name of unit or department: Laboratory of Surgical Neuroanatomy (LSNA) (Director: Prof. Alberto Prats-Galino)

Intern Student

Department of Pharmacology, School of Medicine, Università degli Studi di Napoli "Federico II" [01/11/2010 – 31/07/2012]

Address: Via S. Pansini, 5, 08131 Napoli (Italy)

Name of unit or department: Division of Pharmacology (Chairman: Prof. Lucio Annunziato; Tutor: Prof. Giuseppe Pignataro)

Working on Animal Models of Transient Middle Cerebral Artery Occlusion (tMCAO)

Intern Student

Department of Neurosurgery, School of Medicine, Università degli Studi di Napoli "Federico II" [01/11/2009 – 07/08/2013]

Address: Via S. Pansini, 5, 08131 Napoli (Italy)

Name of unit or department: Division of Neurosurgery (Chairman: Prof. Paolo Cappabianca)

EDUCATION AND TRAINING

Fellow of the European Association of Neurosurgical Societies (FEBNS)

European Association of Neurosurgical Societies (EANS) Training Course [20/01/2017 – 06/03/2020]

Doctor of Philosophy (PhD) - Medicina i Recerca Translacional

Universitat de Barcelona [2018]

Address: Carrer de Casanova, 143, 08036 Barcelona (Spain)

Final grade: Excelente cum laude & Menció Doctor Internacional

Thesis: Ventral and Multiportal Endoscopic Approaches to the Brain. Minimally Invasive Neurosurgical Applications



Certification of the Italian Board of Medicine and Surgery

Ordine dei Medici Chirurghi ed Odontoiatri di Napoli e Provincia [24/04/2013]

Address: Riviera di Chiaia, 9/C, 80122 Napoli (Italy)

Final grade: 270/270, second session of 2012

Thesis: Code: NA-33997

Member of Colegio Oficial de Médicos de Barcelona

Colegio Oficial de Médicos de Barcelona (COMB) [08/2018]

Address: Pg. de la Bonanova, 47, 08017 Barcelona (Spain)

Thesis: Code: 55851

Medical Doctor (MD)

Università degli Studi di Napoli "Federico II", Facoltà di Medicina e Chirurgia [26/09/2006 – 25/07/2012]

Address: Via S. Pansini, 5, 08131 Napoli (Italy)

Final grade: 110/110 cum laude, mention to the career and press dignity

Thesis Title: "The intracerebroventricular administration of a SRC Kinase inhibitor improves stroke damages in an animal model of focal cerebral ischemia"

High School Diploma

Liceo Scientifico "Francesco Severi" (High School) [09/2001 – 06/2006]

Address: Viale Libero d'Orsi, 5, 80053 Castellammare di Stabia (NA) (Italy)

Final grade: 100/100

LANGUAGE SKILLS

Mother tongue(s): **Italian**

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Spanish

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Catalan

LISTENING B2 READING B2 WRITING B1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Microsoft Office / Microsoft Word / Microsoft Powerpoint / Google Docs / Outlook / Google Drive / Zoom / Microsoft Excel / iMovie for photography and videography / Reference Management softwares Zotero EndNote Mendeley / Photo Editing (Adobe Photoshop, Gimp, iPhoto, etc.) / Final Cut Pro / Social Media

PUBLICATIONS

Endoscopic transorbital resection of the temporal lobe: anatomic qualitative and quantitative study

[2023]

De Rosa A, Mosteiro A, Guizzardi G, Roldán P, Torales J, Matas Fassi J, Cavallo LM, Solari D, Prats-Galino A, Di **Somma A**, Enseñat J. *Front Neuroanat.* 2023 Sep 25;17:1282226



Transorbital Exposure of the Internal Carotid Artery: A Detailed Anatomic and Quantitative Roadmap for Safe Successful Surgery.

[2023]

Corrivetti F, Guizzardi G, Bove I, Enseñat J, Prats-Galino A, Solari D, Cavallo LM, Iaconetta G, **Di Somma A**, de Notaris M. *Oper Neurosurg (Hagerstown)*. 2023 Oct 9

In Reply to the Letter to the Editor Regarding "Ultrasound-Oriented Surgical Planning ("UOSP") for Intracranial Lesions: A Systematic Integration to the Standard Preoperative Planning"

[2023]

De Rosa A, Guizzardi G, Moncada M, Roldán P, Ferrés A, Topczewski TE, Somma T, Cavallo LM, González J, Enseñat J, **Di Somma A**. *World Neurosurg*. 2023 Oct;178:277

Complications of the Superior Eyelid Endoscopic Transorbital Approach to the Skull Base: Preliminary Experience With Specific Focus on Orbital Outcome

[2023]

Di Somma A, Guizzardi G, Sanchez España JC, Matas Fassi J, Topczewski TE, Ferrés A, Mosteiro A, Reyes L, Tercero J, Lopez M, Alobid I, Enseñat J. *J Neuroophthalmol*. 2023 Jul 5

Endoscopic Transorbital Approach for the Management of Spheno-Orbital Meningiomas: Literature Review and Preliminary Experience.

[2023]

Di Somma A, De Rosa A, Ferrés A, Mosteiro A, Guizzardi G, Fassi JM, Topczewski TE, Reyes L, Roldán P, Torné R, Alobid I, Enseñat J. *World Neurosurg*. 2023 Aug;176:43-59

The feasibility of three port endonasal, transorbital, and sublabial approach to the petroclival region: neurosurgical audit and multiportal anatomic quantitative investigation

[2023]

Corvino S, Guizzardi G, Sacco M, Corrivetti F, Bove I, Enseñat J, Colamaria A, Prats-Galino A, Solari D, Cavallo LM, **Di Somma A**, de Notaris M. *Acta Neurochir (Wien)*. 2023 Jul;165(7):1821-1831

Multiportal Combined Endoscopic Endonasal and Transorbital Pathways: Qualitative and Quantitative Anatomic Studies of the "Connection" Skull Base Areas

[2023]

Guizzardi G, Prats-Galino A, Mosteiro A, Santos C, Topczewski T, Torales J, Roldan P, Reyes L, **Di Somma A**, Enseñat J. *Oper Neurosurg (Hagerstown)*. 2023 May 1;24(5):e342-e350

Comparison of Accessibility to Cavernous Sinus Areas Throughout Endonasal, Transorbital, and Transcranial Approaches: Anatomic Study With Quantitative Analysis

[2023]

Santos C, Guizzardi G, **Di Somma A**, Lopez P, Mato D, Enseñat J, Prats-Galino A. *Oper Neurosurg (Hagerstown)*. 2023 Apr 1;24(4):e271-e280

Ultrasound-Oriented Surgical Planning ("UOSP") for Intracranial Lesions: A Systematic Integration to the Standard Preoperative Planning

[2023]

De Rosa A, Guizzardi G, Moncada M, Roldán P, Ferrés A, Topczewski TE, Somma T, Cavallo LM, González J, Enseñat J, **Di Somma A**. *World Neurosurg*. 2023 Feb;170:e766-e776

Endoscopic Transorbital Approach to the Middle Fossa: Qualitative and Quantitative Anatomic Study

[2022]



Guizzardi G, Mosteiro A, Hoyos J, Ferres A, Topczewski T, Reyes L, Alobid I, Matas J, Cavallo LM, Cappabianca P, Enseñat J, Prats-Galino A, **Di Somma A**. *Operative Neurosurgery: July 6, 2022*

Endoscopic transorbital avenue to the skull base: Four-step conceptual analysis of the anatomic journey

[2022]

Guizzardi G, **Di Somma A**, de Notaris M, Corrivetti F, Sánchez JC, Alobid I, Ferres A, Roldan P, Reyes L, Enseñat J, Prats-Galino A. *Front. Oncol., 02 September 2022 Sec. Surgical Oncology*

From Anatomic Lab to Operating Theatre: Technological Tools for Continuing Learning and Education. In: Technological Adoption and Trends in Health Sciences Teaching, Learning, and Practice

[2022]

Guizzardi G, **Di Somma A**, Torales J, Roldan P, Varriano F, Hoyos J, Ferres A, Topczewski TE, Mosteiro A, Torne R, Gonzalez Sanchez JJ, Enseñat J, Prats-Galino, A. *IGI Global pp 164-189*

A novel EGFRVIII-T cell bispecific antibody for the treatment of glioblastoma

[2022]

Iurlaro R, Waldhauer I, Planas-Rigol E, Bonfill-Teixidor E, Arias A, Nicolini VG, Freimoser-Grundschober A, Cuartas I, Martinez-Moreno A, Martinez-Ricarte F, Cordero E, Cicuendez M, Casalino S, Guardia X, Fahrni L, Poeschinger T, Steinhart V, Richard M, Briner S, Mueller JP, Osl F, Sam J, Colombetti S, Bacac M, Klein C, Pineda E, Reyes-Figueroa L, **Di Somma A**, Gonzalez J, Nuciforo PG, Carles J, Vieito M, Tabernerero J, Umana P, Seoane J. *Mol Cancer Ther. doi: 10.1158/1535-7163.*

Endoscopic Transorbital Surgery: Another Leap of Faith?

[2022]

Schwartz TH, Henderson F, Jr., **Di Somma A**, Kong DS, de Notaris M, Ensenat J, Moe KS. *World neurosurgery 2022, 159:54-55*

Endoscopic Anatomy of Transcallosal Hemispherotomy: Laboratory Study with Advanced Three-Dimensional Modeling

[2022]

Roldan P, Guizzardi G, **Di Somma A**, Valera R, Varriano F, Donaire A, Hoyos J, Topczewski TE, Torales J, Ensenat J, Rumia J, Prats-Galino, A. *World neurosurgery 2022, 164:e755-e763.*

Endoscopic transorbital surgery levels of difficulty

[2022]

Di Somma A, Kong DS, de Notaris M, Moe KS, Sanchez Espana JC, Schwartz TH, Enseñat J. *Journal of neurosurgery 2022:1-4*

Endoscopic superior eyelid transorbital approach: how I do it

[2022]

Di Somma A, Sanchez Espana JC, Alobid I, Enseñat J. *Acta neurochirurgica 2022, 164(7):1953-1959*

"Sagittal Crest": Definition, Stepwise Dissection, and Clinical Implications From a Transorbital Perspective

[2022]

Corrivetti F, de Notaris M, **Di Somma A**, Dallan I, Ensenat J, Topczewski T, Solari D, Cavallo LM, Cappabianca P, Prats-Galino A. *Oper Neurosurg (Hagerstown) 2022, 22(5):e206-e212.*

Basilar Artery Injury During Endonasal Surgery: Stepwise to Control Bleeding

[2021]



Cárdenas Ruiz-Valdepeñas E, Kaen A, Tirado-Caballero J, **Di Somma A**, Iglesias Pais M, Vázquez Domínguez M, Márquez Rivas J, Villa Fernández JM. *Operative Neurosurgery* 20:282-288

Edema Resolution and Clinical Assessment in Poor-Grade Subarachnoid Hemorrhage: Useful Indicators to Predict Delayed Cerebral Infarctions?

[2021]

Torné R, Hoyos J, Llull L, Rodríguez-Hernández A, Muñoz G, Mellado-Artigas R, Santana D, Pedrosa L, **Di Somma A**, San Roman L. *Journal of Clinical Medicine* 10:321

Combined and simultaneous endoscopic endonasal and transorbital surgery for a Meckel's cave schwannoma: technical nuances of a mini-invasive, multiportal approach

[2020]

Di Somma A, Langdon C, de Notaris M, Reyes L, Ortiz-Perez S, Alobid I, Enseñat J. *Journal of neurosurgery* 1:1-10

Endoscopic endonasal and transorbital routes to the petrous apex: anatomic comparative study of two pathways

[2020]

Topczewski TE, **Di Somma A**, Pineda J, Ferres A, Torales J, Reyes L, Morillas R, Solari D, Cavallo LM, Cappabianca P. *Acta neurochirurgica* 162:2097-2109

Extended Anterior Petrosectomy Through the Transcranial Middle Fossa Approach and Extended Endoscopic Transsphenoidal-Transclival Approach: Qualitative and Quantitative Anatomic Analysis

[2020]

Hasanbelliu A, Andaluz N, **Di Somma A**, Keller JT, Zimmer LA, Samy RN, Pensak ML, Zuccarello M. *World neurosurgery* 138:e405-e412

Relevant Anatomy of the Craniovertebral Junction. In: Surgery of the Cranio-Vertebral Junction

[2020]

d'Avella E, Cavallo LM, De Notaris M, Pineda J, **Di Somma A**, Cappabianca P, Prats-Galino A. Springer, Cham, pp 3-42

The (R)evolution of Anatomy

[2019]

de Divitiis O, d'Avella E, de Notaris M, **Di Somma A**, De Rosa A, Solari D, Cappabianca P. *World neurosurgery* 127:710-735

Neuroendoscopic intraoperative ultrasound-guided technique for biopsy of paraventricular tumors

[2019]

Di Somma A, Gimenez JLN, Bethencourt JMA, Cavallo LM, Márquez-Rivas J. *World neurosurgery* 122:441-450

Nuances of vascularized pedicle flap for transorbital skull base reconstruction following modified transpalpebral transorbital approaches Response.

[2019]

Di Somma A, Andaluz N, de Notaris M, Dallan I, Zimmer LA, Keller JT, Zuccarello M, Prats-Galino A, Cavallo LM, Solari D. *Journal of neurosurgery* 130:1783-1784

Endoscopic endo-and extra-orbital corridors for spheno-orbital region: anatomic study with illustrative case

[2019]



De Rosa A, Pineda J, Cavallo LM, **Di Somma A**, Romano A, Topczewski TE, Somma T, Solari D, Enseñat J, Cappabianca P. *Acta neurochirurgica* 161:1633-1646

Malignant Glioma Developed on a Patient Under Deep Brain Stimulation: Pitfalls in Management

[2019]

Roldán P, Najarro R, **Di Somma A**, Culebras D, Hoyos JA, Compta Y, Cámara A, Muñoz E, Martí MJ, Valdeoriola F. *World neurosurgery* 129:85-89

Anterior Cranial Base. In: Endoscopic and Keyhole Cranial Base Surgery

[2019]

Cavallo LM, Solari D, **Di Somma A**, Azab WA, Cappabianca P. Springer, Cham, pp 71-80

Clinical vasospasm after an extended endoscopic endonasal approach for recurrent pituitary adenoma: Illustrative case and systematic review of the literature

[2019]

Molina ES, **Di Somma A**, Stummer W, Briganti F, Cavallo LM. *World neurosurgery* 128:29-36

Supraorbital vs Endo-Orbital Routes to the Lateral Skull Base: A Quantitative and Qualitative Anatomic Study

[2018]

Di Somma A, Andaluz N, Cavallo LM, Keller JT, Solari D, Zimmer LA, de Notaris M, Zuccarello M, Cappabianca P. *Operative Neurosurgery* 15:567-576

Endoscopic transorbital route to the petrous apex: a feasibility anatomic study

[2018]

Di Somma A, Andaluz N, Cavallo LM, Topczewski TE, Frio F, Gerardi RM, Pineda J, Solari D, Enseñat J, Prats-Galino A. *Acta neurochirurgica* 160:707-720

Optic Nerve Atrophy Due to Long-Standing Compression by Planum Sphenoidale Meningioma

[2018]

Di Somma A, Kaen AM, Ruiz-Valdepeñas EC, Cavallo LM. *World neurosurgery* 113:82-85

Reply to letter: Endoscopic transpalpebral transorbital anterior petrosectomy: does safer surgical freedoms necessitates modifications?

[2018]

Di Somma A, Andaluz N, Cavallo LM, Enseñat J, Prats-Galino A, Cappabianca P. *Acta neurochirurgica* 160:1585-1586

Defining the lateral limits of the endoscopic endonasal transtuberculum transplanum approach: anatomical study with pertinent quantitative analysis

[2018]

Di Somma A, Torales J, Cavallo LM, Pineda J, Solari D, Gerardi RM, Frio F, Enseñat J, Prats-Galino A, Cappabianca P. *Journal of neurosurgery* 130:848-860

Reply to letter: "Endoscopic transorbital route to the petrous apex: a feasibility anatomic study"

[2018]

Di Somma A, Andaluz N, Cavallo LM, Enseñat J, Prats-Galino A, Cappabianca P. *Acta neurochirurgica* 160:2251-2253

Refining the anatomic boundaries of the endoscopic endonasal transpterygoid approach: the "VELPPHA area" concept

[2018]

Kaen A, Ruiz-Valdepeñas EC, **Di Somma A**, Esteban F, Rivas JM, Fernandez JA. *Journal of neurosurgery* 131:911-919



Modified “extended” suboccipital subtonsillar clipping of a ruptured proximal pica aneurysm: technical note with relevant anatomical demonstration

[2018]

Di Somma A, Caro PC, Blanco MO, Somma T, López-González A, Campero A, Emmerich J, Márquez-Rivas J. *World neurosurgery* 117:301-308

Endoscopic transorbital superior eyelid approach: anatomical study from a neurosurgical perspective

[2017]

Di Somma A, Andaluz N, Cavallo LM, de Notaris M, Dallan I, Solari D, Zimmer LA, Keller JT, Zuccarello M, Prats-Galino A. *Journal of neurosurgery* 129:1203-1216

Can recurrences be predicted in craniopharyngiomas? β -catenin coexisting with stem cells markers and p-ATM in a clinicopathologic study of 45 cases

[2017]

Guadagno E, de Divitiis O, Solari D, Borrelli G, Bracale UM, **Di Somma A**, Cappabianca P, De Caro MDB. *Journal of Experimental & Clinical Cancer Research* 36:1-11

Tips and tricks for anterior cranial base reconstruction

[2017]

de Divitiis O, **Di Somma A**, Cavallo LM, Cappabianca P. *Trends in Reconstructive Neurosurgery*:165-169

Surgical freedom evaluation during optic nerve decompression

[2017]

Di Somma A, Andaluz N, Gogela SL, Cavallo LM, Keller JT, Prats-Galino A, Cappabianca P. *World neurosurgery* 101:227-235

Endoscopic Transsphenoidal Surgery: Anatomy, Instrumentation, and Technique. In: Transsphenoidal Surgery

[2017]

Cappabianca P, Cavallo LM, Solari D, **Di Somma A**. Springer, pp 213-231

Suprasellar Approach to the Third Ventricle. Endoscopic Approaches to the Paranasal Sinuses and Skull Base: A Step-by-Step Anatomic Dissection Guide

[2017]

Cavallo LM, Solari D, Somma T, **Di Somma A**, Cappabianca P. Thieme.

Preliminary experience with a new multidirectional videoendoscope for neuroendoscopic surgical procedures

[2016]

Cavallo LM, **Di Somma A**, Solari D, de Divitiis O, Bracale UM, Cappabianca P. *Plos one* 11:e0147524

Endoscopic transorbital route to the cavernous sinus through the meningo-orbital band: a descriptive anatomical study

[2016]

Dallan I, **Di Somma A**, Prats-Galino A, Solari D, Alobid I, Turri-Zanoni M, Fiacchini G, Castelnuovo P, Catapano G, de Notaris M. *Journal of neurosurgery* 127:622-629

Essential role of ultrastructural examination for spindle cell oncocytoma: case report of a rare neoplasm and review of the literature

[2016]



Guadagno E, Cervasio M, **Di Somma A**, Califano M, Solari D, Del Basso De Caro M. *Ultrastructural pathology* 40:121-124

Endoscopic Endonasal Transsphenoidal Approach. In: Midline Skull Base Surgery

[2016]

Cavallo LM, **Di Somma A**, Briganti F, Solari D, Frio F, Maffei L, Cappabianca P. Springer, pp 69-88

Endoscopic endonasal medial-to-lateral and transorbital lateral-to-medial optic nerve decompression: an anatomical study with surgical implications

[2016]

Di Somma A, Cavallo LM, de Notaris M, Solari D, Topczewski TE, Bernal-Sprekelsen M, Enseñat J, Prats-Galino A, Cappabianca P. *Journal of neurosurgery* 127:199-208

Extended endoscopic endonasal approach to the third ventricle: multimodal anatomical study with surgical implications

[2015]

Cavallo LM, **Di Somma A**, de Notaris M, Prats-Galino A, Aydin S, Catapano G, Solari D, de Divitiis O, Somma T, Cappabianca P. *World neurosurgery* 84:267-278

Craniopharyngiomas and visual dysfunction: how to predict the visual outcome

[2015]

Somma T, **Di Somma A**, Cappabianca P. *World neurosurgery* 83:455

Surgical Approaches: Introduction and Outcomes. In: Craniopharyngiomas

[2015]

Cappabianca P, Cavallo LM, Solari D, **Di Somma A**, De Caro MLDB. Academic Press, pp 137-153

Surgical clipping of a dissecting aneurysm of the precommunicating segment of the anterior cerebral artery: a case report and review of the literature

[2015]

de Divitiis O, **Di Somma A**, Somma T, Cavallo LM, Marseglia M, Briganti F, Cappabianca P. *Journal of medical case reports* 9:1-6

The ventral route to intracranial aneurysm: from the origin towards modern transsphenoidal surgery. An historical review and current perspective

[2014]

Di Somma A, de Notaris M, Ensenat J, Alobid I, Bernal-Sprekelsen M, Cavallo LM, Prats-Galino A, Cappabianca P. *Rhinology* 52:195-207

Endoscopic anatomy of the skull base explored through the nose

[2014]

Solari D, Chiamonte C, **Di Somma A**, Orabona GDA, de Notaris M, Angileri FF, Cavallo LM, Montagnani S, Tschabitscher M, Cappabianca P. *World neurosurgery* 82:S164-S170

Hydrocephalus onset after microsurgical or endovascular treatment for acute subarachnoid hemorrhage. retrospective Italian multicenter study

[2014]

Gangemi M, Cavallo LM, **Di Somma A**, Mazzucco GM, Bono PS, Ghetti G, Zambon G. *Translational medicine@ UniSa* 9:50

Extended endoscopic endonasal approaches for cerebral aneurysms: anatomical, virtual reality and morphometric study

[2014]



Di Somma A, De Notaris M, Stagno V, Serra L, Enseñat J, Alobid I, San Molina J, Berenguer J, Cappabianca P, Prats-Galino A. *BioMed research international*

The “extended” endoscopic endonasal approach for the removal of a mixed intrasuprasellar germinoma: Technical case report

[2014]

Di Somma A, Bronzoni C, Guadagno E, Solari D, Dell’Aversana GO, De Caro BMDB, Cappabianca P. *Surgical neurology international* 5

Use of equine pericardium sheet (LYOMESH®) as dura mater substitute in endoscopic endonasal transsphenoidal surgery

[2013]

Cavallo LM, Solari D, Somma T, **Di Somma A**, Chiaramonte C, Cappabianca P. *Translational Medicine@ Unisa* 7:23

Rerum magistra experientia est: the evolution of modern endoscopic endonasal skull base surgery and reconstruction techniques

[2013]

Cappabianca P, **Di Somma A**, de Notaris M. *World neurosurgery* 82:e67-69



NETWORKS AND MEMBERSHIPS

Member of American Association of Neurological Surgeons (AANS)

[2023 – Current]

Member of Società Italiana di Neurochirurgia (SINCH)

[2014 – Current]

Member of Sociedad Española de Neurocirugía (SENEC)

[2019 – Current]

Member of European Association of Neurosurgical Societies (EANS)

[2019 – Current]

Neurosurgeon Consultant for Brainlab

[Brainlab AG, Olof-Palme-Straße 9, 81829 München, Germany, 05/2019 – Current]

Reviewer for Head & Neck

[2023 – Current]

Reviewer for Frontiers in Surgery - Sec. Neurosurgery

[2022 – Current]

Reviewer for Operative Neurosurgery

[2022 – Current]

Reviewer for Cancers (MDPI)

[2022 – Current]

Reviewer for Neurosurgical Review

[2022 – Current]

Reviewer for Journal of Medical System

[2021 – Current]

Reviewer for Plos One

[2021]

Topical Advisory Panel Member & Leading Guest Editor - Journal of Clinical Medicine

[2021 – 2021]

Reviewer for Journal of Neurological Surgery Part B: Skull Base

[2019 – Current]

Reviewer for World Neurosurgery

[2018 – Current]

Reviewer for Journal of Medical Systems

[2017 – Current]

Reviewer for World Journal of Surgical Oncology

[2015 – Current]



CONFERENCES AND SEMINARS

World Federation of Neurosurgical Societies Congress (WFNS2023)

[Cape Town, SudAfrica, 04/12/2023 – 08/12/2023]

Invited Speaker

4th Endoscopic Transorbital International Course

[Seoul, South Korea, 02/11/2023 – 04/11/2023]

Invited Professor

72 Congress of the Italian Society of Neurosurgery (SINCH)

[Padova, Italy, 12/10/2023 – 14/10/2023]

Speaker Moderator, Neuroanatomy Section

European Association of Neurosurgical Societies (EANS) Congress

[Barcelona, Spain, 24/09/2023 – 28/09/2023]

Invited Speaker

Guided dissection to the antero-lateral skull base including the orbit, part of the Master in Approcci Chirurgici “Hands-on” alla base cranica antero-laterale: Ricostruzione e Indicazioni

[ICLO Teaching and Research Center San Francesco Di Sales, Verona, Italy, 2022 – 2023]

Invited Professor

XXVI Congreso de la Sociedad Española de Neurocirugía (SENEC)

[Santander, Spain, 24/05/2023 – 26/05/2023]

Oral Presentation

IFNE Hands-on Workshop on Cerebral, Ventricular and skull base Neuroendoscopy

[Naples, Italy, 25/01/2023 – 27/01/2023]

Invited Professor

3rd international hands-on workshop Endoscopic Transorbital Skull Base Surgery

[Hospital Clinic de Barcelona, Universitat de Barcelona, 10/11/2022 – 11/11/2022]

Course Director

Skull Base & Pituitary Pathologies 1st Münster Hands-on Course

[Münster, Germany, 19/09/2022 – 21/09/2022]

Invited Professor

Masterclass Course in Transorbital and Skull Base Surgery

[Salerno, Italy, 15/09/2022 – 16/09/2022]

Invited Professor

IFNE Hands-on Workshop on Cerebral, Ventricular and Skull Base Neuroendoscopy

[Naples, Italy, 18/07/2022 – 22/07/2022]

Invited Professor

Transorbital Skull Base CME

[Weill Cornell Medicine, New York, USA, 03/06/2022 – 04/06/2022]

Invited Professor



1st international hands-on workshop Endoscopic Transorbital Skull Base Surgery

[Hospital Clinic de Barcelona, Universidad de Barcelona, 08/11/2021 – 09/11/2021]

Course Director

The endonasal and transorbital endoscopic combined and simultaneous approach for the treatment of speno-petro-clival region tumors: preliminary experience

[Milan, Italy, 15/10/2021 – 15/10/2021]

Oral Presentation

Transorbital Surgery

[Korean Society of Endoscopic Neurosurgery (KOSEN) - KOSEN Webinar, 29/09/2021 – 29/09/2021]

Invited Speaker

Anatomy of the transorbital corridors

[Naples "Virtual" Edition, 06/04/2021 – 10/06/2021]

Faculty Member, Naples "virtual" edition of the IFNE workshop in Neuroendoscopy

Hands-On: Base de cráneo Endoscópica V Curso/ II Ciclo, organised by Sociedad Española de Neurocirugía (SENEC)

[Alicante, Spain, 01/10/2020 – 02/10/2020]

Professor & Organising Committee

Endoscopic endonasal surgery for brainstem lesions: preliminary series, anatomic demonstration with 3d analysis, and literature review av Sociedad Española de Neurocirugía (SENEC 2019)

[Salamanca, Castilla y Leon, Spain, 15/05/2019]

Oral Presentation

Defining the lateral limit of the endoscopic endonasal transtuberculum transplanum approach. Anatomic study with pertinent quantitative analysis, 66th National Congress of the Italian Society of Neurological Surgery (SiNch)

[Verona, Italy, 21/07/2017]

Oral Presentation

Transorbital approach to the cavernous sinus. 65th National Congress of the Italian Society of Neurological Surgery (SiNch)

[Rome, Italy, 20/10/2016]

Oral Presentation at "Next generation: i giovani e la ricerca anatomica, neuroanatomia 2.0, i giovani neurochirurghi e l'anatomia del XXI Secolo"

Optic nerve decompression via both endoscopic endonasal and transorbital approaches; anatomic study with surgical implications, 65th National Congress of the Italian Society of Neurological Surgery (SiNch)

[Rome, Italy, 19/10/2016]

Oral Presentation

Quantitative analysis of progressive removal of nasal structures during endoscopic endonasal suprasellar approach. 15th Interim Meeting of the World Federation of Neurological Societies (WFNS)

[Rome, Italy, 10/09/2015]

Oral Presentation



Microsurgical Teaching Course On Vascular Anastomosis

[Rome, Italy, 07/09/2015 – 08/09/2015]

Participant

Extended Endoscopic Endonasal Approach to the Third Ventricle. Multimodal Anatomical Study with Surgical Implications. 64th National Congress of the Italian Society of Neurological Surgery (SiNch)

[Naples, Italy, 26/06/2015]

Oral Presentation

Endoscopic Endonasal Approach to Rathke Cleft's Cysts. 64th National Congress of the Italian Society of Neurological Surgery (SiNch)

[Naples, Italy, 25/06/2015]

Oral Presentation

Perspectives in Skull Base Surgery; Microscopic and Endoscopic Hands on Course 15th International Workshop

[Naples, Italy, 11/2014]

Participant

Extended Endoscopic Endonasal Approaches for Cerebral Aneurysms: Anatomical, Virtual Reality and Morphometric Study

[Endomilano, Milan, Italy, 14/04/2014]

Oral Presentation

Perspectives in Skull Base Surgery; Microscopic and Endoscopic Hands on Course 14th International Workshop

[Naples, Italy, 05/2013]

Participant

Naples Stroke Meeting: Diagnosis, Management and Intervention

[Naples, Italy, 06/2012]

Participant

Monothematic conference of the Italian Society of Pharmacology: New Therapeutic Strategies in Cerebral Ischemia

[Urbino, Italy, 06/2012]

Participant

Comprehensive Skull Base Surgery (endoscopic and microsurgical approaches)

[Naples, Italy, 05/2012]

Participant

Endoscopic Endonasal Pituitary Surgery (basic course)

[Naples, Italy, 02/2012]

Participant

11th international hands-on workshop endoscopic endonasal skull base surgery

[Naples, Italy, 05/2011]

Participant



PROJECTS

Estudio de los abordajes endoscópicos multiportales mínimamente invasivos para el tratamiento de tumores cerebrales complejos. Diseño de nuevos modelos anatómicos y traslación clínica.

[02/09/2019 – 02/09/2022]

Funding: Instituto de Salud Carlos III (PI19/00592), 75.020 €

Principal Investigator (IP): Prof. Joaquim Enseñat, Hospital Clínic de Barcelona - IDIBAPS Institut d'Investigacions Biomèdiques A. Pi i Sunyer

Principal Co-Investigator (Co-IP): Prof. Alberto Prats-Galino, Facultat de Medicina i Ciències de la Salut - UB Universitat de Barcelona

Link: <https://portalfis.isciii.es/es/Paginas/DetalleProyecto.aspx?idProyecto=PI19/00592>

Minimally invasive neurosurgery for complex brain tumors. Creation of novel endoscopic anatomic models and direct clinical application.

[01/01/2020 – 01/01/2022]

Funding: "Fundacio La Marato de TV3" (Reg. 95/210; Codi projecte: 201914), 263.999,06 €

Principal Investigator, Coordinator (IP): Prof. Joaquim Enseñat, Hospital Clínic de Barcelona - IDIBAPS Institut d'Investigacions Biomèdiques A. Pi i Sunyer

Principal Co-Investigator: Prof. Alberto Prats-Galino, Facultat de Medicina i Ciències de la Salut - UB Universitat de Barcelona

Principal Co-Investigator: Prof. Luigi Maria Cavallo, Università degli Studi di Napoli "Federico II", Divisione di Neurochirurgia, Università degli Studi di Napoli "Federico II"

Link: <https://www.ccma.cat/tv3/marato/es/projectes-financats/2018/1630/>

A prospective, multi-center, double-blind, randomized, placebo-controlled, parallel-group, Phase 3 study to assess the efficacy and safety of clazosentan in preventing clinical deterioration due to delayed cerebral ischemia (DCI) in aSAH

[26/02/2020 – Current]

ClinicalTrials.gov identifier (NCT number): NCT03585270

Principal Investigator: Dr. Ramon Tornè, Hospital Clínic de Barcelona

HONOURS AND AWARDS

Premi Innovacion II Campus Clinic de Barcelona

Hospital Clinic de Barcelona [12/12/2022]

Robotic Retractor System for Transorbital Surgery. 25.000 euros

"Abilitazione" for Professor of Neurosurgery (Fascia II - ANS 2018/2020)

Ministero dell'Università e della Ricerca, ITALIA [04/06/2021]

SETTORE CONCORSUALE 06/E3 NEUROCHIRURGIA E CHIRURGIA MAXILLO FACCIALE

Premio Rotariano "Rocco Gialanella"

Rotary Club Napoli, Italy [04/06/2021]

1000 euros



Certification for use of GLIOLAN (Acido 5-Aminolevulinico, 5-ALA)

According to EMA (European Medicines Agency) [28/02/2020]

Best Poster with the Paper: "Approccio endoscopico mini-invasivo alla regione petroclivale studio comparativo mediante le vie transorbitaria ed endonasale"

Società Italiana di Neurochirurgia (SINch) [18/09/2019]

Award for "Training in Neuroanatomy"

Sociedad Española de Neurocirugía (SENEC) [17/05/2019]

1000 euros

"Federico Bartolazzi" Award Ed. 2017 (SINch) with the paper: "Can recurrences be predicted in craniopharyngiomas? β -catenin coexisting with stem cells markers and p-ATM in a clinicopathologic study of 45 cases"

Società Italiana di Neurochirurgia (SINch) [21/06/2017]

10.000 euros

Synthes Skull Base Surgery Award with the Paper: "Extended Anterior Petrosectomy Through the Transcranial Middle Fossa Approach and Extended Endoscopic Transsphenoidal-Transclival Approach: Qualitative and Quantitative Anatomic Analysis"

Synthes Award [2016]