

CURRICULUM VITAE

Name

Place and date of birth

Age

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Department of Neurosurgery, Università di
Napoli "Federico II",
Via S.Pansini, 5
80131 Napoli, Italy
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Education

1999 High School Diploma, Messina, Italy
2006 M.D. degree, University of Rome, Italy

Post-doctoral training

2008-2011, M.D. Resident in Neurosurgery,
University of Rome "Sapienza", Italy
2011-2014, M.D. Resident in
Neurosurgery, University of Padua, Italy
2013-2016, 1) Research Fellowship at the
Laboratory of Surgical NeuroAnatomy, Faculty
of Medicine, University of Barcelona, Spain.
2) Fellowship at the Skull Base Unit,
Department of Neurosurgery, Hospital Clinic of
Barcelona, Spain
2014, Specialist in Neurosurgery
2014-2017, 1) Specialist in Neurosurgical
Emergency, Hospital San Joan de Deu,
Barcelona, Spain; 2) Specialist in Neurosurgical
Emergency, Hospital del Mar, Barcelona, Spain
2018, Ph.D. "Doctor Europeus" Università di
Padova, Padova, Italy
2017 to Present, Neurosurgeon, Università di
Napoli "Federico II", Napoli, Italy
2011, Professional Updating in Peripheral
Nerves Surgery, "Ospedale dei Pellegrini",
U.O.C. Hand Surgery and Peripheral Nerves,
Naples

C.V. d'Avella E.

Languages

Italian (Mother tongue)
English (Independent user)
Spanish (Independent user)

Scientific publications on peer-reviewed journals:

Vitulli F, D'Avella E, Solari D, Franca RA, Romano A, Bonavolontà P, Cavallo LM.
Primary ectopic orbital craniopharyngioma. Acta Neuroch (Wien). 2021 Online ahead of print.

D'Avella E, Fazzolari B, Cappelletti M, Delitalò A, Solari D, Somma T, Cavallo LM, de Divitiis O, Prats-Galino A.
Anatomical assessment of the endoscopic assisted lateral supraorbital approach and endoscopic endonasal transclival approach to basilar apex aneurisms. Turk Neurosurg. 2021; 31(5):671-679

Solari D, D'Avella E, Bove I, Cappabianca P, Cavallo LM.
Extended endonasal approaches for pituitary adenomas. J Neurosurg Sci; 2021: 65(2):160-168.

Cavallo LM, Mazzatenta D, d'Avella E, Catapano D, Fontanella MM, Locatelli D, Luglietto D, Milani D, Solari D, Vindigni M, Zenga F, Zona G, Cappabianca P.
The management of clival chordomas: an Italian multicentric study. J Neurosurg. 2020 Sep 4(4):1-10.

d'Avella E, Guadagno E, Uggà L, Solari D, Cavallo LM.
Anterior Clinoid Metastasis as First Presentation of a Signet Ring Cell Carcinoma: An Intriguing Diagnosis. J Neurol Surg Rep. 2020 Jul;81(3):e46-e51.

Guadagno E, D'Avella E, Cappabianca P, Colao A, Del Basso De Caro M.
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Staatjes VE, Serra C, Zoli M, Mazzatenta D, Pozzi F, Locatelli D, D'Avella E, Solari D, Cavallo LM, Regli L.
Multicenter external validation of the Zurich Pituitary Score. Acta Neurochir (Wien). 2020;162(6):1287-1295.

C.V. d'Avella E.

Solari D, Somma T, De Divitiis O, Cavallo LM, Esposito F, D'avella E, Del Basso De Caro ML, Laws ER Jr, Cappabianca P.

YNWA. You'll never walk alone. J Neurosurg Sci. 2020; 64(2):127-129.

de Divitiis O, d'Avella E, de Notaris M, Di Somma A, De Rosa A, Solari D, Cappabianca P.

The (R)evolution of Anatomy. World Neurosurg. 2019; 127:710-735.

d'Avella E, Fazzolari B, Schiariti M, Delitala A, Ferroli P, Cappabianca P, Servadei F.

Common Practice in the Management of Dural Closure: An Italian Questionnaire.

World Neurosurg. 2019; 129:255-263

d'Avella E, Solari D, Somma T, Miccoli G, Milicevic M, Cappabianca P, Cavallo LM.

The endoscopic endonasal approach for pediatric craniopharyngiomas: the key lessons learned.

Childs Nerv Syst. 2019; 35(11):2147-2155

De Divitiis O, D'avella E, Denaro L, Somma T, Sacco M, D'avella D.

Vitom 3D: preliminary experience with intradural extramedullary spinal tumors.

J Neurosurg Sci. 2019 Apr 2. [Epub ahead of print]

De Divitiis O, Somma T, Sacco M, d'Avella E, Guizzardi G.

Vitom 3D in lumbar disc herniation: preliminary experience. Interdisciplinary Neurosurg.

2019; 18: 100547

Cappelletti M, Ruggeri AG, Spizzichino L, D'Amico A, D'avella E, Delfini R.

Fibrous Pituitary Macroadenomas: Predictive Role of Preoperative Radiologic Investigations for Proper Surgical Planning in a Cohort of 66 Patients.

World Neurosurg. 2019;121:449-457

Ruggeri A, Enseñat J, Prats-Galino A, Lopez-Rueda A, Berenguer J, Cappelletti M, De Notaris M, d'Avella E.

Endoscopic endonasal control of the paraclival internal carotid artery by Fogarty balloon catheter inflation: an anatomical study.

J Neurosurg. 2017;126(3):872-879

Borsetto D, Ciorba A, Cazzador D, Volo T, Denaro L, d'Avella E, Prosenikliev V, Pelucchi S, Emanuelli E.

Transnasal endoscopic management of anterior cerebrospinal fluid (CSF) leak: experience from a large case series. B-ENT. 2017;13(1):15-21

d'Avella E, De Notaris M, Enseñat J, Berenguer J, Gragnaniello C, Mavar M, Ferrer E, Prats-Galino A.

The extended endoscopic endonasal transplanum transtuberculum approach to the anterior communicating artery complex: anatomic study.

Acta Neurochir (Wien). 2015 Sep;157(9):1495-503.

C.V. d'Avella E.

Della Puppa A, d'Avella E, Rossetto M, Volpin F, Rustemi O, Gioffrè G, Lombardi G, Rolma G, Scienza R.

Open transcranial resection of small (<35 mm) meningiomas of the anterior midline skull base in current microsurgical practice.

World Neurosurg. 2015;84(3):741-50.

Emanuelli E, Milanese L, Rossetto M, Cazzador D, d'Avella E, Volo T, Baro V, Denaro L, Gioffrè G, Borsetto D, Martini A.

The endoscopic endonasal approach for cerebrospinal fluid leak repair in the elderly.

Clin Neurol Neurosurg. 2015;132:21-5.

Enseñat J, d'Avella E, Tercero A, Valero R, Alobid I.

Endoscopic endonasal surgery for a mesencephalic cavernoma.

Acta Neurochir (Wien). 2015;157(1):53-55

Emanuelli E, Bossolesi P, Borsetto D, D'Avella E.

Endoscopic repair of cerebrospinal fluid leak in paediatric patients.

Int J Pediatr Otorhinolaryngol. 2014;78(11):1898-1902.

d'Avella E, Angileri F, de Notaris M, Enseñat J, Stagno V, Cavallo LM, Gonzales JB, Weiss A, Prats-Galino A.

Extended endoscopic endonasal transclival approach to the ventrolateral brainstem and related cisternal spaces: anatomical study.

Neurosurg Rev. 2014;37(2):253-60.

Della Puppa A, De Pellegrin S, d'Avella E, Gioffrè G, Munari M, Saladini M, Salillas E, Scienza R, Semenza C.

Right parietal cortex and *calculation* processing: intraoperative functional mapping of multiplication and addition in patients affected by a brain tumor.

J Neurosurg. 2013;119(5):1107-1111

Della Puppa A, d'Avella E, Volpin F, Rustemi O, Gioffrè G, Scienza R.

Indocyanine green videoangiography (ICGV) in parasagittal meningiomas surgery. Considerations on veins management and brain function preservation. Letter to the Editor.

Acta Neurochir (Wien). 2013;155(8):1475-1476

Della Puppa A, De Pellegrin S, d'Avella E, Gioffrè G, Rossetto M, Gerardi A, Lombardi G, Manara R, Munari M, Saladini M, Scienza R.

5-aminolevulinic acid(5-ALA) fluorescence guided surgery of highgrade gliomas in eloquent areas assisted by functional mapping. Our experience and review of the literature. Acta Neurochir (Wien).

2013;155(6):965-972.

d'Avella E, Volpin F, Manara R, Scienza R, Della Puppa A.

Indocyanine green videoangiography (ICGV)-guided surgery of parasagittal meningiomas occluding the superior sagittal sinus (SSS).

Acta Neurochir (Wien). 2013 Mar;155(3):415-20

C.V. d'Avella E.

Zanoletti E, Faccioli C, Emanuelli E, Bennati A, d'Avella E, Martini A.

Spontaneous CSF leak caused by double skull base defects: case report. J Int Adv Otol. 2013;9(3):437-441

Pichierri A, D'Avella E, Ruggeri A, Tschabitscher M, Delfini R.

Endoscopic assistance in the epidural subtemporal approach and Kawase approach: anatomic study.

Neurosurgery. 2010 Sep;67(3 Suppl Operative):ons29-37

d'Avella E, Tschabitscher M, Santoro A, Delfini R.

Blood supply to the intracavernous cranial nerves: comparison of the endoscopic and microsurgical perspectives.

Neurosurgery. 2008 May;62(5 Suppl 2):ONS305-10

Missori P, Polli FM, Peschillo S, D'Avella E, Paolini S, Miscusi M.

Double dural patch in decompressive craniectomy to preserve the temporal muscle: technical note.

Surg Neurol. 2008 Oct;70(4):437-9

Book Chapters:

1. Cavallo LM, Solari D, Somma T, Baiano C, d'Avella E, Cappabianca P. "How to manage recurrent craniopharyngiomas", in Adult Craniopharyngiomas: Differences and Lessons from Paediatrics; Jouanneau E, Raverot G Editors, 2020, Springer
2. D'Avella E, Cavallo LM, De Notaris M, Pineda J, Di Somma A, Cappabianca P, Prats-galino A. "Relevant Anatomy of the Craniovertebral Junction", in Surgery of the Cranio-Vertebral Junction; Tessitore E, Dehdashti AR, Schonauer C, Thome C Editors, 2020, Springer.
3. Enseñat J, d'Avella E, Alobid I, de Notaris M, Prats-Galino A. "Transclival approach", in Endoscopic Approaches to the Paranasal Sinuses and Skull Base; Bernal-Sprekelsen M, Alobid I Editors, 2017, Thieme.
4. Delfini R, d'Avella E, Pichierri A. "Tumors of Middle Cranial Fossa", in Practical Handbook of Neurosurgery: From Leading Neurosurgeons; Sindou M Editor, 2009, Springer.

Oral communications and abstracts:

1. The fate of autologous fat graft in skull base reconstruction after extended endonasal approach. 70° National Congress, Italian Society of Neurosurgery. Milan, October 14-16, 2021

1. The endoscopic endonasal approach for clival chordomas: an Italian multicentric study. eEANS2020 Beyond Borders Virtual Congress, October 19-21, 2020

2. Ruolo dell'approccio endoscopico endonasale nella gestione dei cordomi del clivus: studio multicentrico italiano. 69° National Congress, Italian Society of Neurosurgery. Rome, October 14-15, 2020
3. L'approccio endoscopico endonasale nel trattamento dei craniofaringiomi pediatrici: la nostra esperienza. 23° National Congress of Neuroncology. Udine, November 10-12, 2019
4. L'approccio endoscopico endonasale nel trattamento dei craniofaringiomi pediatrici: la nostra esperienza. 68° National Congress, Italian Society of Neurosurgery. Rome, September 16-18, 2019
5. Early identification of clinical features predictive of aggressive behavior of pituitary adenomas: a multivariate retrospective study. 22° National Congress of Neuroncology. Mantova, November 25-27, 2018
6. Early identification of clinical features predictive of aggressive behaviour of pituitary adenomas: a multivariate retrospective study. 67° National Congress, Italian Society of Neurosurgery. Ancona, September 19-21, 2018
7. Revisiting an old technique of microsurgical petrous internal carotid artery proximal control through the endoscopic endonasal route. Anatomic study. 64° National Congress, Italian Society of Neurosurgery. Napoli, June 24-26, 2015
8. The extended endoscopic endonasal transtuberculum-transplanum approach to the anterior communicating artery complex: anatomic study. 63° National Congress, Italian Society of Neurosurgery. Vicenza, September 20-23, 2014
9. The extended endoscopic endonasal transtuberculum-transplanum approach to the anterior communicating artery complex: anatomic study. 6th World Congress for Endoscopic Surgery of the Brain Skull Base and Spine and Second Global Update on FESS, the SINUSES and the NOSE Milan, April 14-17, 2014
10. Pediatric cranioplasty in Porous Hydroxiapatite: Case Report. 62° National Congress, Italian Society of Neurosurgery. Palermo, October 10-12, 2013
11. Sellar Incidentalomas: 100 cases; Endoscopic Endonasal Approach to the Ventral and Ventrolateral Brainstem and Related Cisternal Spaces: Anatomical Study. 61° National Congress, Italian Society of Neurosurgery. Rimini, October 11-14, 2012.
12. Idiopathic spinal cord herniation: case report and review of the literature. 59° National Congress, Italian Society of Neurosurgery. Milan, October 27-30, 2010.
13. Multidisciplinary treatment of a giant cell tumor of the cervical spine. 16° National Congress of Neuroncology. Padua, October 4-7, 2009.
14. Subtemporal interdural-intradural endoscopic assisted subtemporal approach 57° National Congress, Italian Society of Neurosurgery. Udine, November 6-8, 2008
15. The blood supply to the intracavernous cranial nerves: comparison of the endoscopic and microsurgical perspectives. 59th Annual Meeting of the German Society of Neurosurgery. Wurzburg, June 1-4, 2008

16. Endoscopic and microsurgical anatomy of the blood supply to the intracavernous cranial nerves. Comparison. 56° National Congress, Italian Society of Neurosurgery. Rome, June 24-26, 2007

Course participation:

1. Corso teorico-pratico. Sezione di Neuroendoscopia SINch. Napoli, Italy, November 29-30, 2021, Relatore
2. Corso SIB. Dissezione su preparati anatomici. Arezzo, Italy, November 20-22, 2019, Tutor
3. Fifth Bellaria Neurovascular Conference. New lights in the Diagnosis and management of Cerebral Arteriovenous Malformations. Bologna, Italy, November 15-16, 2019
4. Endoscopic endonasal skull base surgery Naples league. Naples, Italy, November 4-8, 2019, Faculty
5. Aneurismi Cerebrali e Bypass EC-IC: trattamento chirurgico e endovascolare. Salerno and Naples, Italy, September 30-October 3, 2019
6. NeuroMaps Neuropatie periferiche compressive. Naples, Italy, May 3-4, 2019, Tutor
7. IFNE-JSNE-GLEN-ISNE Hands-on Workshop on Cerebral and Ventricular Neuroendoscopy. Basic and Advanced Techniques. Naples, Italy, January 21-25, 2019
7. Endoscopic endonasal skull base surgery Naples league. Naples, Italy, November 5-9, 2018, Faculty
8. "Introduzione alla Microchirurgia – 2ª Edizione", Corso SINch, Naples, Italy, July 19-20, 2018, Tutor
9. Global Neuro Essential Course – Neurotrauma, Naples, Italy, June 18-19, 2018
9. Endoscopic endonasal skull base surgery Naples league. Naples, Italy, November 5-9, 2018, Faculty
10. "Introduzione alla Microchirurgia", Corso SINch, Naples, Italy, December 6-7, 2017, Tutor
11. First Basilicata Neurovascular Conference. Educational and Training of Young Neurosurgeons. Matera, Italy, April 19-21, 2018
12. XXXII Reunion de la Sociedad Espanola de Neurocirugia Pediatrica, Barcelona, Spain, February 11-13, Faculty
13. European Training Course In Neurosurgery on Tumors. Cyprus, Greece, September 13-19, 2014.

14. III Advanced Skull Base Surgery Course. Hospital Clinic of Barcelona, Barcelona, November 20-23, 2013
15. V meeting of live microsurgery of intracerebral lesions and advanced imaging techniques. Vicenza, April 11-112, 2013
16. Live surgery in neuroncologic microsurgery. Padua, November 28-30, 2012
17. European Training Course In Neurosurgery on Vascular Neurosurgery. Tallin, Estonia, February 20-24, 2011
18. 6° Workshop of live Neurosurgery "The Brainhouse". Padua, October 19-21, 2011
19. Neurosurgical approaches: from theory to practice. Arezzo, May 12-13, 2010
20. XI workshop Endoscopic transsphenoidal surgery: from pituitary to skull base, Bologna, March 8-9, 2010
21. European Training Course In Neurosurgery on Spine and Peripheral Nerve, Padova, February 2010
22. Surgical and endoscopic preparation on brain and skull base, Study Group of Microsurgical and Endoscopic Anatomy, Center of Anatomy and Cell Biology of the Medical University of Vienna, Vienna, May 5-10, 2008
23. XXII Young Neurosurgeons Meeting, Latina, October 26-28, 2008
24. Pre-congress practical course: Endoscopy in plastic models, Roma, June 23, 2007
25. Attendance at the Laboratory of Microsurgical Anatomy of the "Instituto de Ciencias Neurológicas", Sao Paulo, Brazil, December 1-7, 2006
26. Intracranial Aneurysms: diagnosis and therapy, Padova, September 12, 2006
27. Microsurgical and endoscopic dissections on cadavers, Study Group of Microsurgical and Endoscopic Anatomy, February-March 2006
28. X Italian course of microsurgery, L'Aquila, June-July, 2006

Awards:

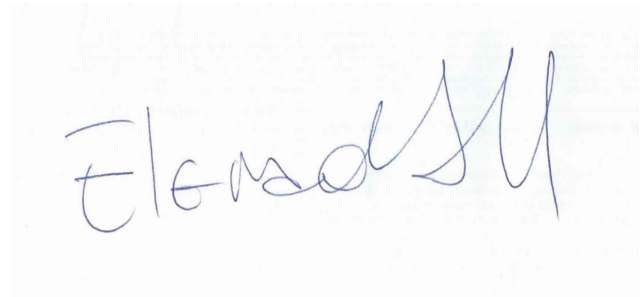
1. 2004, "Erasmus" fellowship at the Faculty of Medicine, University of Murcia, Spain
2. 2006, award from the University of Rome "Sapienza": "abroad fellowship for doctoral thesis" at the Center of Anatomy and Cell Biology of the Medical University of Vienna, Vienna
3. 2009, Emilio Maspes Award, "Blood supply to the intracavernous cranial nerves: comparison of the endoscopic and microsurgical perspectives"; 58° Congresso Nazionale SINCH, Lecce, Italy
4. 2013, Alessandro Pavesi Award, Commissione di A.NE.MA Onlus
5. 2014, "Guidetti" European Awards, 63° Congresso Nazionale SINCH, Vicenza, Italy

C.V. d'Avella E.

Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae in base all'art. 13 del D. Lgs. 196/2003 e all'art. 13 GDPR 679/16.

Napoli, 30/03/2022

Elena d'Avella

A handwritten signature in blue ink, reading "Elena d'Avella", on a light blue background.