

Curriculum vitae ed elenco delle pubblicazioni di Alessio Albanese

Dott. Alessio Albanese

Nato a Palermo il 16.07.1971

Studi svolti

- 1989: Maturità Classica con votazione di 58/60
- Ottobre 1995: Laurea in Medicina e Chirurgia presso l'Università di Palermo con votazione di 110/110 e lode; tesi su "Radionecrosi pseudotumorale: studio di 3 casi".
- dal Gennaio 1997 all'Ottobre 2001 : Corso di specializzazione in Neurochirurgia presso la Università Cattolica del Sacro Cuore, Policlinico Gemelli, Roma
- Ottobre 2001: Specializzazione in Neurochirurgia conseguita con il massimo dei voti e lode; tesi su "Utilizzo del Doppler Microvascolare Intraoperatorio nella chirurgia degli aneurismi cerebrali".

Attività clinica

- 12/1995 – 12/1996 : Medico interno presso la Neurochirurgia del Dipartimento di Scienze Neurologiche dell'Ospedale S. Maria di Terni
- 11/2001 – 02/2002 : Neurochirurgo presso la Clinica Villa Maria Cecilia di Lugo (RA)
- 03/2002 - 01/2004: Medico a contratto con funzione assistenziale presso la Sezione di Neurotraumatologia dell' Istituto di Neurochirurgia del Policlinico Gemelli, UCSC, Roma
- dal 02/2004: Medico a contratto con funzione assistenziale presso la Divisione di Neurochirurgia dello stesso Policlinico

- dal 05/2006 Ricercatore universitario dell'Università Cattolica del Sacro Cuore di Roma, presso la Divisione di Neurochirurgia dello stesso Policlinico
- dal 11/2009 ad oggi Ricercatore confermato e dirigente medico di primo livello, a tempo pieno ed a tempo indeterminato, Neurochirurgia, presso la Fondazione Policlinico Universitario A. Gemelli, Università Cattolica del Sacro Cuore .
- dal 11/2019 ad oggi Professore Associato presso l'Istituto di Neurochirurgia della Fondazione Policlinico Universitario A. Gemelli, Università Cattolica del Sacro Cuore

Attività didattica

- Dal maggio 2006 docente di Neurochirurgia nel Corso di Malattie del Sistema Nervoso del corso di Laurea in Medicina e Chirurgia dell'Università Cattolica del Sacro Cuore
- Dal novembre 2006 ad oggi docente di Neurochirurgia al IV anno del corso di Specializzazione in Neurochirurgia dell'Università Cattolica del Sacro Cuore (5 h)
- Dal novembre 2006 docente del tirocinio professionalizzante al I anno del corso di specializzazione in Neurochirurgia dell'Università Cattolica del Sacro Cuore (75 h)
- Relatore e Correlatore per tesi di Laurea, Dottorato e Specializzazione

Attività di ricerca e principali interessi di ricerca

- Neurochirurgia vascolare:
 - a) Doppler trans-cranico ed intraoperatorio nella patologia vascolare cerebrale
 - b) studio sperimentale del By-pass arterioso ad alto flusso con utilizzo del Laser a diodo nelle suture microvascolari
 - c) studio sperimentale del By-pass arterioso non occlusivo
- Idrocefalo (studio clinico e sperimentale)
- Neuro-Oncologia
 - a) caratterizzazione bio-molecolare dei gliomi maligni (genetica, fattori di crescita, ruolo delle cellule staminali).
 - b) studi clinici riguardanti l'utilizzo del 5ALA nella chirurgia dei tumori cerebrali maligno
- Fisiopatologia del sistema intracranico e del tamponamento cerebrale (studio clinico e sperimentale)

- Neurotraumatologia
utilizzo della craniotomia decompressiva nel trauma cranico grave e la valutazione del metabolismo cerebrale nel trauma cranico mediante utilizzo di sonde di microdialisi

Corsi e Congressi

- European Training Course on Basic and Advanced Microsurgery, Roma, Maggio 1997
- Post-graduate course of European Society for Pediatric Neurosurgery, Verona 1998
- International Course on Clinical Neurosurgery, Hannover, 1998, 1999
- Course of intraoperative neurophysiological monitoring, Roma 1999
- Corso di Aggiornamento su: Aneurismi Cerebrali Intatti, Bologna 2002
- European Cours on Cerebral Revascularization, Vienna, Ottobre 2004
- XI Corso Italiano di Microneurochirurgia Applicata, L'Aquila, 17-20 ottobre 2007
- I Edizione dei Workshop sul Basicranio – Napoli, Dicembre 2007
- II Edizione dei Workshop sul Basicranio - Napoli 01-03 dicembre 2008
- ELANA Course (extra-intracranial High-flow by-pass) – Uthrecht Giugno 2010
- Bellaria Neurovascular Conference, Bologna 2015
- Bellaria Neurovascular Conference, Bologna 2016
- Corso sull'utilizzo del flussimetro intraoperatorio, Padova 2017
- EANS course, Venezia 2017
- Congressi SiNch dal 1997 al 2017

PUBBLICAZIONI

Articoli in extenso su rivista: 96

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Citazioni 1196

1) Maira G, Mangiola A, Nardi M, Amante R, Albanese A, Denaro L
Approccio microchirurgico all'ernia discale postero-laterale ed
intraforaminale
Vol. GIS XXXI 1998; 101-104

2) Albanese A, Visocchi M,
Epi-aortic vessels anatomy
Acta Medica Romana, Vol 38- n. 1-2 2000

3) Iannelli A, Di Rocco C, Albanese A, Piastra M.
Complicazioni dell'emisferectomia cerebrale eseguita per la terapia
dell'epilessia farmaco-resistente dell'età pediatrica.
Riv. Italiana di Pediatria (UP) 26:785-790 2000

4) Maira G, Vignati A, Marchese E, Puca A, Albanese A, Rollo M
Valutazione del rischio chirurgico nelle malformazioni artero-venose del
sistema nervoso centrale
Rivista di Neuroradiologia 15:137-144, 2002

4) Domizio S, Cicioni P, Puglielli C, Domizio R, Albanese A, Sabatino
GMD, Domizio R and Sabatino G
Cerebral magnetic resonance imaging as predictor of learning disabilities
in extremely low birth weight
European Journal of Inflammation Vol 2, no 3, 141-146; 2004

- 6) Domizio S, Sabatino GMD, Albanese A, Barbante E, Puglielli C, Di Giannantonio M, Quartesan R, Domizio R and Sabatino G
Focal cerebral infarction in newborn: description of three cases
European Journal of Inflammation Vol 2, no 3, 141-146; 2004
- 7) Maira G, Anile C, Albanese A, Cabezas D, Pardi F, Vignati A,
The role of transphenoidal surgery in the treatment of craniopharyngioma
Journal of Neurosurg. 2004 Mar;100(3):445-51.
- 8) Marchisio M, Sabatino GM, Albanese A, Santavenere E, Buonaguidi R
and Miscia S.
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evolution of human aneurysms.
International Journal of Immunopathology and Pharmacology 2004 Sep-
Dec;17(3):381-8.
- 9) Pentimalli L, Modesti A, Vignati A, Marchese E, Albanese A, Di Rocco
F, Coletti A, Di Nardo P, Fantini C, Tirpakova B, Maira G
Role of apoptosis in intracranial aneurysms rupture
Journal of Neurosurgery 101:1018-1025, 2004
- 10) Albanese A, Mangiola A, Sabatino G, Pompucci A, Gessi M, Lauriola
L and Anile C
Rosette forming glio-neuronal tumour of the fourth ventricle: report of a
case, clinical and surgical implication.
Journal of Neuro-Oncology 71: 195-197; 2005
- 11) Lauretti L, Massimi L, Fernandez E, Albanese A, Denaro L, Maira G
Long survival in an untreated solitary choroid plexus metastasis from renal
cell carcinoma: case report and review of the literature.
Journal of Neuro-Oncology 71: 157-160; 2005
- 12) Marchese E, Albanese A, Denaro L, Vignati A, Fernandez E, Maira G
Intraoperative microvascular Doppler in intracranial aneurysm surgery
Surg Neurol. 2005 Apr;63(4):336-42; discussion 342.

13) Albanese A, Tuttolomondo A, Anile C, Sabatino G, Pompucci A, Pinto A, Licata G and Mangiola A

Spontaneous chronic subdural haematomas in young adults with deficiency of coagulation factor XIII: report of three cases

J Neurosurg. 2005 Jun;102(6):1130-2

14) Mangiola A, Albanese A, Mannino S, Guerriero M, Gessi M, Anile C and Maira G.

Hemangiopericytoma in Pregnancy: a Case Report

J Neurooncol. 2005 Jul;73(3):277-8.

15) Spanu T, Romano L, D'Inzeo T, Masucci L, Albanese A, Papacci F, Marchese E, Sanguinetti M, Fadda G.

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Clin Infect Dis. 2005 Sep 1;41(5):e48-52. Epub 2005 Jul 20.

16) Domizio S, Barbante E, Puglielli C, Clementini E, Domizio R, Sabatino GM, Albanese A, Colosimo C, Sabatino G

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17) Maira G, Anile C, Mangiola A, Paci A, Paci F, Frondizi D, Carletti S, Ottaviano PF, Albanese A, Pentimalli L

Pure surgical treatment of 109 aneurysms.

J Neurosurg Sci. 2005 Jun;49(2):31-9.

18) Maira G, Albanese A, Pentimalli L, Tirpakova B

Treatment of intracranial aneurysms

Clin Exp Hypertens. 2006 Apr-May;28(3-4):371-6. Review.

19) Marchese E, Albanese A, Sabatino G, Ciampini A.

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A Case Report.

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- 23) Doglietto F, Sabatino G, Policicchio D, Tirpakova B, Albanese A
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Neurology. 2006 Aug 8;67(3):493.
- 24) Albanese A, Spanu T, Sali M, Novegno F, D'Inzeo T, Santangelo R, Mangiola A, Anile C, Fadda G
Molecular identification of *Leuconostoc mesenteroides* as a cause of brain abscess in an immunocompromised patient.
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Spontaneous haematoma of ligamentum flavum. Case report and literature review.
J Neurosurg Sci. 2006 Jun;50(2):59-61
- 26) Resta N, Lauriola L, Puca A, Susca FC, Albanese A, Sabatino G,
Ganglioglioma arising in a Peutz-Jeghers patient: a case report with molecular implications.
Acta Neuropathol (Berl). 2006 Jul;112(1):106-11. Epub 2006 May 30
- 27) Puca A, Albanese A, Esposito G, Maira G, Tirpakova B, Rossi G, Mannocci A, Pini R.
Diode laser-assisted carotid bypass surgery: an experimental study with morphological and immunohistochemical evaluations.
Neurosurgery. 2006 Dec;59(6):1286-94; discussion 1294-5.

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29) Montano N, Doglietto F, Pedicelli A, Albanese A, Lauretti L, Pallini R, Lauriola L, Fernandez E, Maira G,
Embolization of hemangioblastomas.
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32) Albanese A, Sturiale CL, D'Alessandris QG, Capone G, Maira G.
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33) Sabatino G, Albanese A, Di Muro L, Marchese E.
Bilateral intra-orbital ophthalmic artery aneurysms
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34) Albanese A, De Bonis P, Sabatino G, Capone G, Marchese E, Vignati A, Maira G
Antibiotic impregnated ventriculo-peritoneal shunts in patients at high risk of infection

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35) Capone G, Della Pepa GM, Sabatino G, Bartoccioni E, Albanese A, Mannino S, Maira G.

A rare bone leptomeningeal metastasis from an adrenal cortical carcinoma
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J Clin Neurosci. 2010 Feb;17(2):225, 280. Epub 2009 Dec 29.

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Journal of Biological Regulators & Homeostatic Agents 2010

38) Marchese E, Vignati A, Albanese A, Nucci CG, Sabatino G, Tirpakova B, Zelano G and Maira G

Comparative evaluation of Genome-Wide gene expression profiles in ruptured and unruptured human intracranial aneurysms.

J Biol Regul Homeost Agents. 2010 Apr-Jun;24(2):185-95.

39) Albanese A, Esposito G, Puca A, Tuttolomondo A, Tirpakova B, Di Giuda D, Maira G, Di Lazzaro V. Positional brain ischemia with MCA occlusion successfully treated with extra-intracranial bypass. Cerebrovasc Dis. 2010;29(4):408-9. Epub 2010 Feb 26.

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- 41) Matteini P, Ratto F, Rossi F, Rossi G, Esposito G, Puca A, Albanese A, Maira G, Pini R. In vivo carotid artery closure by laser activation of hyaluronan-embedded gold nanorods. *J Biomed Opt.* 2010 Jul-Aug;15(4):041508.
- 42) Sturiale CL, Albanese A, Lofrese G, Frassanito P, Sabatino G, Marchese E, Puca A. Pathological enlargement of midbrain Virchow-Robin spaces: a rare cause of obstructive hydrocephalus. *Br J Neurosurg.* 2011 Feb;25(1):130-1. Epub 2010 Sep 8.
- 43) Tersigni C, Esposito G, Albanese A, D'Ippolito S, Sabatino G, Di Simone N, Caruso A. Low neonatal birth weight as a possible predictive factor for the onset of postpartum eclampsia. *Hypertens Pregnancy.* 2011;30(2):203-7. Epub 2010 Sep 16.
- 44) Esposito G, Rossi F, Puca A, Albanese A, Sabatino G, Matteini P, Lofrese G, Maira G, Pini R. An experimental study on minimally occlusive laser-assisted vascular anastomosis in bypass surgery: the importance of temperature monitoring during laser welding procedures. *J Biol Regul Homeost Agents.* 2010 Jul-Sep;24(3):307-15.
- 45) Balducci M, Apicella G, Manfreda S, Mangiola A, Fiorentino A, Azario L, D'Agostino GR, Frascino V, Dinapoli N, Mantini G, Albanese A, de Bonis P, Chiesa S, Valentini V, Anile C, Cellini N. Single-arm phase II study of conformal radiation therapy and temozolomide plus fractionated stereotactic conformal boost in high-grade gliomas: final report. *Strahlenther Onkol.* 2010 Oct;186(10):558-64. Epub 2010 Sep 30.
- 46) Lofrese G, Della Pepa GM, Sabatino G, Esposito G, Puca A, Albanese A. Intraparenchymal recurrence of a dural meningioma: association with rhabdoid alterations with aggressive biological and clinical behaviour. *Br J Neurosurg.* 2011 Jun;25(3):324-6. Epub 2010 Dec 15.
- 47) Sturiale CL, Puca A, Albanese A, Maira G, Colicchio G. A comment on impaired peri-nidal cerebrovascular reserve in seizure patients with brain arteriovenous malformations. *Brain.* 2011 Jun 6. [Epub ahead of print] No abstract available

- 48) Esposito G, Albanese A, Sabatino G, Scerrati A, Sturiale C, Pedicelli A, Pilato F, Maira G, Di Lazzaro V. Large middle cerebral artery dissecting aneurysm mimicking hemorrhagic stroke. *Clin Neurol Neurosurg.* 2011 Dec;113(10):901-3. Epub 2011 Jun 15.
- 49) D'Agostino GR, Autorino R, Pompucci A, De Santis MC, Manfrida S, Di Lella G, Mantini G, Frascino V, Chiesa S, Albanese A, Dinapoli N, Azario L, Fiorentino A, Valentini V, Anile C, Balducci M. Whole-brain radiotherapy combined with surgery or stereotactic radiotherapy in patients with brain oligometastases: long-term analysis. *Strahlenther Onkol.* 2011 Jul;187(7):421-5. Epub 2011 Jun 28.
- 50) Sturiale CL, Sabatino G, Albanese A, Balducci M, Lauriola L, Pennacchia I, Maira G. Subcutaneous malignant melanoma of the scalp surgical flap after brain irradiation for anaplastic astrocytoma. *J Neurooncol.* 2012 Jan;106(1):203-7. Epub 2011 Jul 1
- 51) Esposito G, Sabatino G, Lofrese G, Albanese A. Carotid artery dissection-related intracranial aneurysm development. *Neurosurgery.* 2011 Jun 28.
- 52) Esposito G, Rossi F, Matteini P, Puca A, Albanese A, Sabatino G, Maira G, Pini R. Present status and new perspectives in laser welding of vascular tissues. *J Biol Regul Homeost Agents.* 2011 Apr-Jun;25(2):145-52
- 53) De Bonis P, Albanese A, Lofrese G, de Waure C, Mangiola A, Pettorini BL, Pompucci A, Balducci M, Fiorentino A, Lauriola L, Anile C, Maira G. Postoperative infection may influence survival in patients with glioblastoma: simply a myth? *Neurosurgery.* 2011 Oct;69(4):864-8; discussion 868-9.
- 54) Sturiale CL, Puca A, Albanese A, Marchese E, Maira G. Internal cerebral veins varix due to midline arteriovenous malformation: how much is the risk of bleeding? *Neurol Sci.* 2011 Dec;32(6):1253-4. Epub 2011 Sep 20
- 55) Balducci M, Chiesa S, Diletto B, D'Agostino GR, Mangiola A, Manfrida S, Mantini G, Albanese A, Fiorentino A, Frascino V, De Bari B, Micciche' F, De Rose F, Morganti AG, Anile C, Valentini V. Low-dose

fractionated radiotherapy and concomitant chemotherapy in glioblastoma multiforme with poor prognosis: a feasibility study. *Neuro Oncol.* 2012 Jan;14(1):79-86. Epub 2011 Oct 12.

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60) Pedicelli A, Desiderio F, Esposito G, Rollo M, Albanese A, Verdolotti T, D'Argento F, Bonomo L, Maira G, Colosimo C. Three-dimensional rotational angiography for craniotomy planning and postintervention evaluation of intracranial aneurysms.

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68 Sabatino G, Della Pepa GM, Albanese A, Lauriola L, Marchese E. Cystic ganglioneurocytoma of the lateral ventricles. *Br J Neurosurg.* 2014 Oct;28(5):688-90. doi: 10.3109/02688697.2014.881462. Epub 2014 Jan 27.

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72) Scerrati A, Della Pepa GM, Conforti G, Sabatino G, Puca A, Albanese A, Maira G, Marchese E, Esposito G. Indocyanine green video-angiography in neurosurgery: a glance beyond vascular applications. Clin Neurol Neurosurg. 2014 Sep;124:106-13. doi:
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Diagnosis and management of dural arteriovenous fistulas: a 10 years single-center experience.

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Olivi A, Puca A, Pedicelli A, Marchese E. World Neurosurg. 2016 Apr 5. pii: S1878-8750(16)30010-9

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