

Prof. Dr. med. Athanasios K. Petridis, M.D., IFAANS

Curriculum vitae

Personal Details

First Name: Athanassios
Last Name: Petridis
Date and Place of Birth: 15th May 1975, Wesseling, Germany
Address: Eggerscheiderstr. 117, 40883 Ratingen, Germany
Nationality: Greek-German
Academic Degrees: Professor of Neurosurgery, M.D., Dr. med. Virology

Schooling and University Education

Board Certified Vascular and Oncological Neurosurgeon at DGNC
Board Certified Pediatric Neurosurgeon at DGNC and EFNS

April 2021	Member of Brainglobal humanitarian organisation and vascular Neurosurgeon of the General Hospital Yaounde in Cameroon, central Africa
April 2018-	Professor of Neurosurgery, University Duesseldorf
Mai 2018-Apr 2021	Director, vascular Neurosurgery
April 2019-Apr 2021	Attending of the spinal vascular Neurosurgery team
Sep 2015-Apr. 2021	Attending Neurosurgeon, Vascular Neurosurgery Program, University Hospital Duesseldorf, Germany
Nov 2016-Apr 2018	Associate Prof. of Neurosurgery, Heinrich Heine University Duesseldorf, Germany
Mar 2020	Board Certification in Medicine, Athens, Greece
Jul 2020	Physicians Chamber Membership in Neurosurgery, Thessaloniki, Greece
Nov 2019	Medical License in Greece

April 2012-Nov 2016	Associate Professor of Neurosurgery, Christian-Albrechts-University Kiel, Germany
Nov 2013- Aug 2015	Director of the Section Oncological Neurosurgery, Sana Kliniken Duisburg, Germany, and attending neurosurgeon of pediatric neurosurgery
Nov 2014- Aug 2015	Consulting Neurosurgeon (skull base), Bielefeld Städ. Krankenhaus, Department of ENT
June 2012- Aug 2015	Consulting Neurosurgeon (trauma), Berufsgenossenschaftliche Unfallklinik, Trauma Center Duisburg
July 2012-Aug 2015	Co-Director of the Spine Fellowship Program of AO Spine (Organized AO Spine Center Certification)
June 2012- Aug 2015	Attending Neurosurgeon at the Wedau Kliniken Duisburg, Germany
August 2010-April 2012	Staff Neurosurgeon at the Neurosurgical Department of the University Hospital Schleswig Holstein, Campus Kiel, Germany
February 2010	Board Certified Neurosurgeon, Neurosurgical Department of the University of Kiel, Germany, Prof. H.M. Mehdorn
August 2005- February 2010	Residency in Neurosurgery, Neurosurgical Department of the University of Kiel, Germany, Prof. H.M. Mehdorn
May 2002-April 2005	Postdoctoral Fellow, Cellular and Developmental Neuroscience, Cell Biology Program, Memorial Sloan Kettering Cancer New York, U.S.A. Head of the Laboratory: Urs Rutishauser Ph.D.
August 2000-March 2002	Residency in Neurosurgery, Neurosurgical Department of the University of Kiel, Germany, Prof. H.M. Mehdorn
April 1994-May 2000	Study of Medicine at the Medical School Cologne, Germany
April 1999- April 2000	Internship at the University Hospital Cologne 4 months Neurology 4 months internal medicine - 2 months Endocrinology - 2 months Hematology-Oncology 4 months Surgery -2 months Neurosurgery -2 months Trauma-Surgery
September 1998	Elective in Neurosurgery, Beth Israel Hospital New York, North Division, NYC, Prof. F. Epstein
July 1998	Elective in Endocrinology, Cologne, Prof. Krone
September 1997	Elective in Surgery, Wesseling, Dr. Bruns

August 1997	Elective in Psychiatry, Cologne, Prof. Klosterkoetter
1990-1993	Greek College, Cologne
1987-1990	Greek High School, Cologne
1982-1987	Elementary School, Serres, Greece
1981-1982	Elementary School, Wesseling, Germany

Licenses:	German Board of Neurosurgeons
	Greek Board of Neurosurgeons

Additional University Education:

April 2019-	Theology (Bachelor Degree), University of Luzern, Switzerland
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Languages:	Greek and German, native speaker
	English (C2, Cambridge Proficiency Certificate, TOEFL 108/120)
	Old Languages: ancient Greek and Latin

Doctoral Thesis and Certifications

1996-2000	Doctor of Medicine degree. Institute of Virology, University of Cologne Title: Prevalence of Antibodies against Virus-Like Particles of Epidermodysplasia Verruciformis-Associated HPV8 in Patients at Risk of Skin Cancer.
2002-2005	Neurosciences Postdoctoral Fellowship, Memorial Sloan Kettering Cancer Center (MSKCC), New York, NY
March 2005	Educational Committee for Foreign Medical Graduates Certification (ECFMG)
Oktober 2006	USMLE Step 3 (passed)
February 2010	Board Certification in Neurosurgery, Kiel, Schleswig-Holstein Germany
February 2010	Course and Certification in “Teachning at University Students”
July 2010	Certification in “Teaching Medicine”

- February 2012 Habilitatus, Associate Professor of Neurosurgery, University Hospital Schleswig-Holstein, Campus Kiel, Germany
- July 2012 Supervisor of the Center certification program for Tumor Center
- July 2012 Supervisor: Spine Center of excellence of the Wedau Klinikum Duisburg (Center became certified in 18th, May, 2015)

Subspecialties

- Februar 2017 Board Certification in Vascular Neurosurgery (DGNC, German Society of Neurological Surgeons)
- November 2014 Board Certification in Oncological Neurosurgery (DGNC, German Society of Neurological Surgeons)
- February 2017 Board Certification in Pediatric Neurosurgery (DGNC, German Society of Neurological Surgeons)
- May 2017 Certificate, European Society of Pediatric Neurosurgery, ESPN

Additional certifications:

- June 2002 Investigator training Workshop: "Practical Methodology: Mouse Handling, Restrain and Injection" Research Animal Resource Center of the Memorial Sloan-Kettering Cancer Center
- January 2003 Current good manufacturing practices Certification (Memorial Sloan-Kettering Cancer Center)
- April 2003 Investigator training Seminar: "Guidelines for Conducting Survival Surgical Procedures in Rodents" Research Animal Resource Center of the Memorial Sloan-Kettering Cancer Center

July 2003	Investigator training Seminar: "Guidelines for Conducting Studies with Hazardous Materials in Rodents" Research Animal Resource Weill Medical College / Center of the Memorial Sloan-Kettering Cancer Center
March 2009	Divers Alert Network Certification: Oxygen First Aid Provider for Scuba Diving Injuries
March 2009	Divers Alert Network Certification: First Aid Provider for Hazardous Marine Life Injuries
May 2010	TOEFL Test (score: 108/120, 90%)
August 2010	Rescue Diver Certification
April 2013	Treasurer of the Wedau Klinik Neurosurgical department's charity organization
August 2013	Excellence in academic teaching of neurosurgery (bed-site teaching)
Oktober 2016	GCP-Kurs für Prüfer und Prüfgruppe Heinrich Heine University Duesseldorf, Germany

Additional Tasks

Edited the neurosurgical/neurooncological Guidelines Manual of the Wedau Kliniken Duisburg, 2014

Co-chaired and organized the 1st Wedau Neurooncological Congress, Duisburg
January 2015

Co-chaired and lectured the UKD microneurosurgical hands-on course 2016,
Duesseldorf
September 2016, Cavernous Sinus anatomy

Chair and organization of the 1st Symposium on: ischemic Stroke and intracranial bleedings
Duesseldorf, September 2017

Established the Center of Neurooncological excellence(DGNC) in Sana
Kliniken, Duisburg

Established the Center of Spine (AO Spine certified) in Sana Kliniken Duisburg

Co-chaired and lectured the UKD microneurosurgical hands-on course 2016,
Duesseldorf
September 2017, pterional approach.

Chaired the Symposium, Ischemic Strokes and intracranial bleeding. An Update.
University Duesseldorf, September, 2017

Applications for tenure position

February 2019 2nd for Full Professor (W3) in University of Dunedin,
New Zealand

Founds

January 2015 Archimedes found for the prospective study: Effects of
Gliadel Chemotherapy in primary Glioblastoma. (7000.-
Euro)

2019 Idorsia Clazosentan Study (118.000,- Euro)

2019 Protect U Study (15.000,- Euro)

Memberships in Academic Societies

2003- New York Academy of Sciences (regular member)

2004- The Society for Neuroscience (regular member)

- 2010- German Society of Neurointensive and Emergency Medicine (Deutsche Gesellschaft für Neurointensiv- und Notfallmedizin) (regular member)
- 2011- German Society of Neurosurgeons (regular member)
- 2011- Congress of Neurological Surgeons (international member)
- 2012-2019 Regular Member of the Spinal Surgery Society : AOSpine
- 2012- International Member of the American Association of Neurological Surgeons
- 2012 Member of the Walter E. Dandy Neurosurgical Society
- 2013- Member of the European Association of Neurosurgical Societies
- 2017- Membership, German University Association (Hochschulverband)

Editorial Board Member

- 2010- Joined the editorial board of ISRN (International Scholarly Research Network) Neurology
- 2012-2013 Associate editor of OA Neurosurgery
- 2012-2015 Associate editor in OA Neurosurgical Sciences
- 2013- Referee Panel in Faculty of 1000 Research
- 2014- Editor in-Chief of the Journal of Neurological Disorders
- 2014- Editor of Edorium Journal of Neurosurgery
- 2014- Assistant Chief Editor of Journal of Acute Disease

- 2015- Editorial Board member, International Journal of Neurological Disorders & Interventions
- 2015- Reviewer Central European Neurosurgery
- 2016- Editorial Board Member in SciTz Neurosurgery and Spine
- 2016- Reviewer of Journal of Neurosciences in Rural Practice
- 2016- Editorial Board Member of Neurosurgery Imaging and Techniques
- 2015- Reviewer, The American Journal of Sports Medicine
- 2017- Editorial Board Member of International Journal of Surgery and Surgical Procedures
- 2015 Editorial board member at Journal of Neuroscience and Clinical Research

Hospitals as Visiting Neurosurgeon

- March 2013 Helsinki Central Hospital, Finland, Neurosurgical Department (Prof. J. Hernesniemi).
- April 2014 Barrow Neurological Institute, Arizona , USA (Prof. R. F. Spetzler)

Courses

- April 2011 Surgical Approaches to the skull base. Hands on cadaver course. St. Louis, U.S.A. (Course Director: Prof. Ossama Al Mefty)
- February 2012 Microsurgery of Aneurysms: recent Advances. Hands on cadaver course. St. Louis, U.S.A. (Course Director: Prof. Ali Krisht).

- March 2012 Microanastomosis Course, Laboratory of Microsurgery, Department of Neurosurgery, University Hospital Zurich, Switzerland
(Course Director: R. Frick)
- September 2012 Thoracal and lumbar Spine operative Stabilisation techniques. Hands on cadaver course. School of Medicine, Hannover, Germany. Spine Surgery Section of the German Society of Neurosurgery

Faculty in Courses

- September 2016 UKD microneurosurgical hands-on course, Skull base. Heinrich Heine University Duesseldorf, Germany
- September 2017 UKD microneurosurgical hands-on course, Skull base. Heinrich Heine University Duesseldorf, Germany
- September 2018 UKD microneurosurgical hands-on course, Skull base. Heinrich Heine University Duesseldorf, Germany

Clinical Studies

- 2012 **Principal Investigator (P.I.)** of university hospital of Kiel for the Barricaid study until 2012. BARRICAID
- 2018-2021 **P.I.** University Hospital Duesseldorf for the PROTECT-U Study:
Prospective **R**andomised **O**pen-label **T**rial to **E**valuate risk **f**a**C**Tor management in patients with Unruptured intracranial aneurysms (PROTECT-U), Phase III, Registry Nr. NCT03063541
- 2019-2021 **P.I.** University Hospital Duesseldorf for the IDORSIA Study:
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 is-

chemia (DCI), in adult subjects with aneurysmal sub-arachnoid hemorrhage (aSAH)

Certifications from Online University Courses

Neuroscience

March 2015	Medical Neuroscience Duke University, U.S.A.
June 2015	Foundational Neuroscience for Perception and Action Duke University, USA
June 2015	Understanding the Brain: The Neurobiology of Everyday Life The University of Chicago, USA
July 2015	Computational Neuroscience University of Washington, USA
July 2015	Synapses, Neurons and Brains Hebrew University of Jerusalem, Israel
July 2015	The Brain and Space Duke University, USA
February 2016	Introduction to clinical Neurology University of San Francisco, U.S.A.
June 2016	Advanced Neurobiology 1 Peking University, China
July 2016	Introduction to Neuroeconomics: How the brain makes decisions Higher School of Economics, National Research University
August 2016	Visual Perception and the brain Duke University, U.S.A.
February 2017	Advanced Neurobiology 2 Peking University, China

Healthcare

- July 2015 Take the Lead on Healthcare Quality Improvement
Case Western Reserve University, USA
- September 2015 Fixing Healthcare Delivery
University of Florida, U.S.A.
- December 2015 Health Leadership
University of New South Wales, Australia
- January 2016 Epidemics- the dynamics of infectious Diseases
The Pennsylvania State University, U.S.A.
- January 2016 Epidemiology: The basic science of public health
The University of North Carolina at Chapel Hill,
U.S.A.
- August 2016 Disaster Preparedness
University of Pittsburgh, U.S.A.
- February 2017 Case studies in personalized medicine
Vanderbilt University, U.S.A.

Biostatistics

- April 2015 The Data Scientist's Tollbox
Johns Hopkins University, U.S.A.
- April 2015 Statistical Inference
Johns Hopkins University, U.S.A.
- April 2015 Data Analysis and Statistical Inference
Duke University, U.S.A.
- November 2015 Introduction to Big Data
University of California, U.S.A.
- November 2015 Data Visualization University of Illinois at Urbana
Champaign, U.S.A.
- December 2015 Mastering Data Analysis in Excel
Duke University, U.S.A.

December 2015 Statistical Reasoning for Public Health 1: Estimation, Inference, and Interpretation
Johns Hopkins University, U.S.A.

Academic teaching

April 2015 University Teaching 101
Johns Hopkins, Bloomberg School of Public Health, USA

July 2015 Teaching and Assessing Clinical Skills
University of Michigan, USA

August 2015 Instructional Methods in Health Professions Education
University of Michigan, USA

May 2016 Conversations that inspire: Coaching learning, Leadership and Change
Case Western Reserve University

Medical Sciences

March 2015 Clinical Terminology for international and U.S. Students
University of Pittsburgh, USA

April 2015 Design and Interpretation of Clinical Trials
Johns Hopkins, Bloomberg School of Public Health, USA

July 2015 Introduction to Forensic Science
Nanyang Technological University, Singapore

April 2016 Classical papers in molecular genetics
Universite de Geneve, Switzerland

May 2016 Ebola Virus Disease: An evolving epidemic
Emory University, U.S.A.

Oktober 2016 Tropical parasitology: Protozoans, Worms , Vectors and Human Diseases
Duke University U.S.A. and Kilimanjaro Christian Medical University College

General Subjects

Politics

- Mai 2015 Paradoxes of War
Princeton University, USA
- December 2015 Terrorism and Counterterrorism: Comparing theory
and practice. University of Leiden, Netherlands
- March 2016 Revolutionary ideas: Borders, Elections, Constitutions,
Prisons
University of Pennsylvania, U.S.A.
- March 2016 Revolutionary ideas: Utility, Justice, Equality, Free-
dom
University of Pennsylvania, U.S.A.
- Oktober 2016 Unethical Decision Making in Organizations
Universite de Lausanne, Switzerland
- March 2017 Chinese Culture and Contemporary China
Nanjing University, China

History

- July 2015 Greek and Roman Mythology
University of Pennsylvania, USA
- August 2015 The Ancient Greeks
Wesleyan University, U.S.A.
- December 2015 Roman Architecture
Yale University, U.S.A.
- December 2015 The Fall and Rise of Jerusalem
Tel Aviv University, Israel
- November 2016 Roman Art and Archoeology
University of Arizona, U.S.A.

- June 2017 A journey through Western Christianity: from Persecuted faith to Global Religion (200-1650)
Yale University, U.S.A.
- July 2017 The emergence of the modern middle east – Part I
Tel Aviv University, Israel
- Astronomy*
- June 2015 Astrobiology and the Search of Extraterrestrial Life
The University of Edinburgh, UK
- August 2015 Imagining other Earths
Princeton University, USA
- September 2015 The Evolving Universe
Caltech, U.S.A.
- November 2015 Emergence of Life
University of Illinois at Urbana Champaign, U.S.A.
- December 2015 From the Big Bang to dark Energy
University of Tokyo, Japan
- January 2017 Understanding Einstein: The special theory of relativity, Stanford, U.S.A.
- March 2017 Archeoastronomy
Politecnico di Milano, Italy
- April 2017 Confronting the big questions: Highlights of modern astronomy.
University of Rochester, U.S.A.
- English*
- September 2015 English Composition I
Duke University, USA
- January 2016 Teach English Now! Foundational Principles
Arizona State University, U.S.A.

Linguistics

December 2015 Miracles of Human language: An introduction to linguistics
University of Leiden, Netherlands

Philosophy

February 2016 Soul Beliefs: Causes and Consequences - Unit 1: Historical Foundations
Rutgers State University, U.S.A.

February 2016 Ancient Philosophy: Plato and his Predecessors
University of Pennsylvania, U.S.A.

March 2016 Ancient philosophy: Aristotle and his successors
University of Pennsylvania, U.S.A.

March 2016 Seeing through photographs.
The Museum of Modern Art, U.S.A.

May 2016 Introduction to Classical Music
Yale University, U.S.A.

August 2016 Understanding Violence
Emory University, U.S.A.

March 2017 Emotions: a philosophical introduction
Universitat Autònoma de Barcelona, Spain

March 2017 Philosophy, Science and Religion: Science and Philosophy
University of Edinburgh, UK

March 2017 Philosophy and the Science: Introduction to the philosophy of physical sciences
University of Edinburgh, UK

March 2017 Reason and Persuasion: Thinking through three dialogues by Plato
National University of Singapore, Singapore

April 2017 Social Norms, Social Change I

	University of Pennsylvania U.S.A. and UNICEF
April 2017	Social Norms, Social Change II University of Pennsylvania U.S.A. and UNICEF
April 2017	Intellectual Humility: Theory The University of Edinburgh, UK
April 2017	Introduction to Philosophy The University of Edinburgh, UK
August 2017	Philosophy and the Sciences: Introduction to the Philosophy of Cognitive Sciences

Publications

Original articles

- 1.** Prevalence of Antibodies against Virus-Like Particles of Epidermodysplasia Verruciformis-Associated HPV8 in Patients at Risk of Skin Cancer.
Stark S, **Petridis AK**, Ghim S, Jenson AB, Bouwes Bavinck JN, Gross G, Stockfleth E, Fuchs PG, Pfister H.
Journal of Investigative Dermatology; 1998; 111: 696-701.
- 2.** The Presence of Antibodies against Virus-Like Particles of Epidermodysplasia-Associated Human Papillomavirus Type 8 in Patients with Actinic Keratoses.
Bouwes-Bavinck JN, Stark S, **Petridis AK**, Marugg ME, Ter Schegget J, Westendorp RGJ, Fuchs PG, Vermeer BJ, Pfister H
British Journal of Dermatology; 2000; 142: 103-109.
- 3.** Polysialic Acid regulates Cell Contact-Dependent Neuronal Differentiation of Progenitor cells from the Subventricular Zone.
Petridis AK, El-Maarouf A, Rutishauser U.

Developmental Dynamics; 2004: 230(4): 675-684.

4. Use of polysialic acid in repair of the central nervous system.
Abderrahman El Maarouf*, **Athanasios K. Petridis*** and Urs Rutishauser
Proc Natl Acad Sci U S A. 2006 Nov 7; 103(45):16989-94. Epub 2006 Oct 30
Equal contribution.

There is a pre-patent of this study.

This work is mentioned in the Newsdesk (page 1009), The Lancet Neurology,
Vol 5 December 2006.

5. Outcome of cerebral amyloid angiopathic brain haemorrhage.
Petridis AK, Barth H, Buhl R, Hugo HH, Mehdorn HM.
Acta Neurochirurgia; 2008 Sep 150: 889-895, Epub 2008 Aug 26

6. Polysialic acid overexpression in malignant astrocytomas.
Petridis AK, Wedderkopp H, Hugo HH, Mehdorn HM.
Acta Neurochirurgica; 2009, 151:601-604.

7. Acute subdural hematoma in the elderly; Clinical and CT factors influencing
the surgical treatment decision.
Petridis AK, Dörner L, Eifrig S, Doukas A, Barth H, Mehdorn HM
Cent Eur Neurosurg; 2009, 70:73-78.

8. The effect of lung-protective permissive hypercapnia in intracerebral pressure
in patients with subarachnoid hemorrhage and ARDS-A retrospective study.
Petridis AK, Barth H, Kienke S, Mashlehaty H, Doukas A, Mahvash M,
Mehdorn HM.
Acta Neurochirurgica 2010, 152:2143-2145.

9. Continuous Intraarterial Infusion of Nimodipine at the onset of resistant vaso-
spasm in Aneurysmal Subarachnoidal Haemorrhage. Technical Report.
Doukas A*, **Petridis AK***, Barth H, Jansen O, Mehdorn HM.
*equal contribution
Neurological Research, 2011, 33:290-294.

10. Diagnostic value of magnetic resonance imaging in perimesencephalic and
non-perimesencephalic spontaneous subarachnoid hemorrhage of unknown ori-
gin.
Maslehaty H, **Petridis AK**, Barth H, Mehdorn HM.
Journal of Neurosurgery, 2011, 114: 1003-1007.

11. Outcome of craniocerebral gunshot injuries in the civilian population. Prognostic and treatment options.

Petridis AK, Doukas A, Barth H, Mehdorn HM.
Cent Eur Neurosurg; 2011, 72:5-14.

12. Brain-Derived Neurotrophic Factor Levels Influence SVZ Cell Migration/Differentiation Balance, but not Guidance to the Olfactory Bulb.

Petridis AK and El Maarouf A.
J Clin Neurosci. 2011, 18 :265-270.

13. Physical and Functional Cooperation of Neural Cell Adhesion Molecule (NCAM) and beta (<beta>) 1-integrin in neurite outgrowth induction and tumor cell differentiation

Petridis AK, Nikolopoulos SN, El-Maarouf A
Journal of Clinical Neuroscience, 2011, 18:1109-1113.

14. 3D rotational angiography in surgical planning of aneurysm clipping.

Petridis AK, Doukas A, Niu H, Barth H, Maslehaty H, Riedel C, Jansen O, Mehdorn HM.
VASA, 2011, 40: 375-380.

15. Resistant vasospasm in subarachnoid hemorrhage treated with continuous intraarterial nimodipine infusion.

Doukas A, **Petridis AK**, Barth H, Jansen O, Maslehaty H, Mehdorn HM.
In Tsukahara et al. (eds.) Trends in Neurovascular Surgery. Acta Neurochirurgica Suppl. 112, 2011

16. Does magnetic resonance imaging produce further benefit for detecting a bleeding source in subarachnoid hemorrhage of unknowns origin.

Maslehaty H, **Petridis AK**, Barth H, Doukas A, Mehdorn HM.
In Tsukahara et al. (eds.) Trends in Neurovascular Surgery. Acta Neurochirurgica Suppl. 112, 2011

17. Symptomatic spinal cavernous malformations-indications for microsurgical treatment and outcome.

Maslehaty H, Barth H, **Petridis AK**, Doukas A, Mehdorn HM
European Spine Journal, 2011, 20: 1765-1770.

18. Special features of subarachnoid hemorrhage of unknown origin: a review of a series of 179 cases.

Maslehaty H, Barth H, **Petridis AK**, Doukas A, Mehdorn HM
Neurological Research, 2012, 34:91-97.

- 19.** Factors influencing the Surgical Outcome after Ventral Stabilisation of the Cervical Spine with Heterogenous Material.
Petridis AK, Schulz S, Doukas A, Budde M, Maslehaty H, Mehdorn HM.
Clinics and Practice, 2012, 2:e60.
- 20.** Predictors and Incidence of Posttraumatic Seizures in Children and adolescents after Brain Injury.
Petridis AK, Doukas A, Maslehaty H, Mehdorn HM.
Clinics and Practice, 2012, Vol. 2. e66
- 21.** Treatment of 817 patients with spontaneous supratentorial intracerebral hemorrhage: characteristics, predictive factors and outcome.
Maslehaty H, **Petridis AK**, Barth H, Doukas A, Mehdorn HM.
Clinics and Practice, 2012, Vol. 2. e56
- 22.** The role of the pterional approach in the surgical treatment of olfactory groove meningiomas: A 20-year experience.
Bitter AD, Stavrinou LC, Ntoulis G, **Petridis AK**, Morina D, Scholz M, Hasler W.
Journal of Neurological Surgery, Skull Base 2013
- 23.** The transmaxillary endoscopic approach to the orbit.
Schultheiß S, **Petridis AK**, El Habony R, Maurer P, Scholz M.
Acta Neurochirurgica, 2013, 155: 87-97.
- 24.** Continuous measurement of cerebral oxygenation with near infrared spectroscopy (NIRS) after spontaneous subarachnoid hemorrhage.
Maslehaty H, **Petridis AK**, Krause-Titz U, Barth H, Mehdorn HM.
ISRN Neurology 2012.
- 25.** Future Prospective of Regenerative Therapy of the Central Nervous System.
Petridis AK
Journal Neurol Dis 1:1, 2013
- 26.** Is conservative management justified in un-ruptured intracranial aneurysms smaller than 10 mm?
Maslehaty H, Ngando H, Meila D, Brassel F, Scholz M and **Petridis AK**.
Acta Neurochirurgica 2013.
- 27.** Chondrosarcoma of the petrous bone: A challenging clinical entity.
Maslehaty H, **Petridis AK**, Kinzel A, Binay Y, Scholz M.
Head Neck Oncol 5:13, 2013

28. Treatment of intraventricular hemorrhage (IVH) by injection of recombinant tissue-type plasminogen activator (rtPA) – single institution experiences with 80 patients.

Maslehaty H, Ntoulas H, **Petridis AK**, Bitter A, Niklewski, Morina D, Hassler W, Scholz M

J Neurol Dis 1:113, 2013

29. Importance of studying and discussing the management of complications during neurosurgical procedures.

Maslehaty H and **Petridis AK**

J Neurolo Dis, 2013

30. Anatomical configuration of the sylvian fissure and its influence on outcome after pterional approach for microsurgical aneurysm clipping.

Ngando H, Maslehaty H, Schreiber L, Blaeser K, Scholz M, **PetridisAK**

Surg Neurol Int 4:129, 2013

31. Obstacles of internationalized medicine.

Petridis AK.

J Neurol Disorders 1:3, 2013

32. Visual navigation system used to coagulate bleeding in a semibiological model.

Heinen P, **Petridis AK**, Maslehaty H, Scholz M.

J Neurol Disorders, 1:4, 2013

33. Efficacy of a new video-based training model in spinal surgery.

Heiland DH, **Petridis AK**, Maslehaty H, Thissen J, Kinzel A, Scholz M, Schreiber L

Surg Neurol Int, 5:1, 2014

34. Evaluation of an intraoperative ultrasound training model based on a cadaveric sheep brain.

Vavruska J, **Petridis AK**, Maslehaty H, Buhl R, Scholz M

Surg Neurol Int, 5:46, 2014

35. Comparison of two algorithms for the application of real time image mosaicking in Neuro-endoscopy.

Liebig KN, Maslehaty H, **Petridis AK**, Konen W, Scholz M

Journal of Neurosurgery, 121: 688-699, 2014

36. Basal ganglia hemorrhage: minimally invasive and neuro-navigation guided treatment by injection of recombinant tissue-type plasminogen activator

Ntoulas G, Maslehaty H, **Petridis AK**, Bitter A, Morina D, Niklewski F, Hasler W, Scholz M
Journal of Neurological Disorders, 2: 158, 2013

37. Procedural paradigm in intraoperative aneurysm clipping with microdoppler ultrasound, near-infrared indocyanine green videoangiography and intraoperative angiography.

Petridis AK, Kinzel A, Schreiber L, Parvin R, Scholz M, Maslehaty H.
Journal of Neurological Disorders, 2:160, 2013

38. Functional magnetic resonance imaging of motor and language for preoperative planning of neurosurgical procedures adjacent to functional areas.

Mahvash M, Maslehaty H, Jansen O, Mehdorn HM, **Petridis AK**.
Clinical Neurology and Neurosurgery, 123: 72-77, 2014

39. Management and treatment of pediatric neurovascular diseases in an interdisciplinary setting.

Maslehaty H, **Petridis AK**, Schreiber L, Brassel F, Rosenbaum T, Scholz M.
Journal of Neurological Disorders, 2: 181, 2014.

40. Anterior cervical uncoforaminotomy performed with Piezosurgery. Technical note.

Luecke S, Kinzel A, Schreiber L, **Petridis AK**
JSM Neurosurgery and Spine Online 12/2014

41. Image guided versus conventional brain tumor and craniotomy localization.

Mahvash M, Boettcher I, **Petridis AK**, Besharati Tabrizi L
J Neurosurg Sci. 2015, Jan 20

42. The value of intraoperative sonography in low grade glioma surgery.

Petridis AK, Anokhin M, Vavruska J, Mahvash M, Scholz M.
Clinical Neurology and Neurosurgery, 131: 64-68, 2015

43. Interaction studies of polysialic acid with model receptors contribute to nanomedical therapies.

Siebert H-C, Zhang R, Scheidig A, Eckert T, Wienk H, Boelens R, Mahvash M, **Petridis AK**, Schauer R

Corresponding author: Petridis
Journal of Neurological Disorders, 3:2, 2015

44. Perspectives in Meningioma Treatment.

Petridis AK, Thissen J, Brassel F, Meila D, Scholz M.
Journal of Neurological Disorders, 3: 2, 2015

- 45.** Microsurgical and histological identification and definition of an interdural incision zone in the dorsolateral cavernous sinus.
Kinzel A, Spangenberg P, Schreiber L, Lücke S, Harders A, Scholz M, **Petridis AK**.
Acta Neurochirurgica, 157: 1359 -1367, 2015
- 46.** A novel factor influences the outcome in 57 patients with intracerebellar hematomas. Results of a retrospective analysis.
Doukas A, Maslehaty H, Barth H, Hedderich J, **Petridis AK**, Mehdorn HM.
Surgical Neurology International, 6:176, 2015
- 47.** Experiences with the sitting position in posterior fossa surgery in 310 Patients
Verena Heymanns, Suzin Jung, Annemarie Tallo, Azad Cheko, Ameer Alyeldien, Anastasios Tsogkas, Alexandros Doukas, Pooya Daemi-Attaran, Mustafa Al-sharif, Mehran Mahvash, Martin Scholz and **Athanasios K. Petridis**
Journal of Neurological Disorders, 2015, doi:[10.4172/2329-6895.S1-002](https://doi.org/10.4172/2329-6895.S1-002)
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1. Prevalence of Antibodies against Virus-Like Particle of Epidermodysplasia Verruciformis-Associated HPV8 in the General Population and in Patients at Skin Cancer. *Abstract*

*Fuchs PG, Stark S, **Petridis AK** et al*

16th International Papillomavirus Conference 1997, University of Sienna (Italy).

2. Correlation of Solar Keratoses with Serological Response to Human Papillomavirus-Type 8. *Abstract*

*Stark S, Bouwes-Bavinck JN, **Petridis AK** et al..*

16th International Papillomavirus Conference 1997, University of Siena (Italy).

3. Antikörper gegen Virus-Like Particles des Epidermodysplasia Verruciformis-assozierten HPV8 in der Normalbevölkerung und bei Patienten mit erhöhtem Hautkrebsrisiko. *Abstract*

*Bethmann S, Fuchs PG, **Petridis AK** et al.*

Jahrestagung der Deutschen Gesellschaft fuer Virologie 1997; Universitaet Hamburg

4. Immunohistochemische Charakterisierung der Cannabinoidrezeptoren CB1 und CB2 in humanen malignen Hirntumoren und Meningiomen. *Lecture*
Dörner L., Petridis A., Hugo H. H., Mehdorn H. M.

53. Jahrestagung der Deutschen Gesellschaft fuer Neurochirurgie, Halle / Salle 2002.

5. Rezeptordichte der Cannabinoidrezeptoren CB1 und CB2 bei humanen Astrozytomen und Glioblastomen abhängig vom WHO Malignitätsgrad. *Abstract*
Dörner L., Petridis A., Hugo H. H., Mehdorn H. M.

53. Jahrestagung der Deutschen Gesellschaft fuer Neurochirurgie, (53rd Annual Meeting of The German Society of Neurosurgery) Halle / Salle 2002.

6. Predictors and Incidence of Posttraumatic Seizures in Children after Brain Injury. *Abstract*

Petridis AK and Fritsch M.

The first Joint Symposium of The National and International Neurotrauma Societies,

Tampa, Florida, U.S.A., 2002

7. Posttraumatic Seizures in Children: Do we need Prophylaxis? *Abstract*

Petridis A, Fritsch MJ, Kienke S, Eichmann T, Stark A, Mehdorn HM.

American Association of Neurological Surgeons Annual Meeting, San Diego, 2003.

and

8. 54. Jahrestagung der Deutschen Gesellschaft fuer Neurochirurgie (54th Annual Meeting of The German Society of Neurosurgery) as *Lecture and Abstract*

2003

and

9. 6th International Meeting of Pediatric Neurology and Neurosurgery-V Congresso da Sociedade Brasileira Neurocirurgia Pediatrica, Recife, Brasil, 2003

10. Decision making for the Surgical Treatment of Craniosynostosis. *Lecture and Abstract*

Petridis AK, Eichmann T, Mehdorn HM, Fritsch MJ.

American Association of Neurological Surgeons Annual Meeting, San Diego, 2003.

and

11. 54. Jahrestagung der Deutschen Gesellschaft fuer Neurochirurgie (54th Annual Meeting of The German Society of Neurosurgery). 2003

and

12. 6th International Meeting of Pediatric Neurology and Neurosurgery-V Congresso da Sociedade Brasileira Neurocirurgia Pediatrica, Recife, Brasil, 2003 and

13. 31st annual meeting of The International Society for Pediatric Neurosurgery. Monaco 14th-18th September, 2003.

14. CNS Axon Regeneration is Promoted by Engineered Expression of Polysialic Acid on Scar Astrocytes. *Abstract*

El Maarouf A, Petridis AK and Rutishauser U

Keystone Symposia. Axonal Connections: Molecular Cues for Development and Regeneration (C6); 31st March- 4th April, 2005

15. - Program Nr. 223.10 2005, Abstract viewer/Itinerary planner. Washington DC, Society for Neuroscience Meeting 2005.

Session: Spinal cord injury. Glial scar

16. Outcome of cerebral amyloid angiopathic brain hemorrhage. *Lecture*

Petridis AK

Northern German Neurological Surgeons Meeting, Rotenburg, Germany, 29th February 2008

17. Ten years of spinal tumors. From Laminectomy to the interlaminar approach.

Lecture

Doukas A, Petridis AK, Nabavi A, Mehdorn HM

22nd Hellenic Neurosurgical Congress, Athens, Greece 11th -14th June, 2008.

18. Use of Polysialic acid in repair of the central nervous system. *Abstract.*

Petridis AK

22nd Hellenic Neurosurgical Congress, Athens, Greece 11th -14th June, 2008.

19. Atypical pterygoidal encephalomeningocele in an elderly patient. Neurosurgical decision making and treatment. *Abstract*

Petridis AK, Doukas A, Mehdorn HM, Nabavi A

22nd Hellenic Neurosurgical Congress, Athens, Greece 11th -14th June, 2008.

20. Prognostic factors of acute subdural hematoma in the elderly influencing the decision for or against surgical treatment. *Abstract*

Petridis AK

22nd Hellenic Neurosurgical Congress, Athens, Greece 11th -14th June, 2008.

21. Prognostic factors of acute subdural hematoma in the elderly influencing the decision for or against surgical treatment *Lecture*

Petridis AK, Dörner L, Eifrig S, Barth H, Mehdorn HM

12th Congress of the European Federation of Neurological Societies EFNS, Madrid, Spain, 23rd – 26th August 2008.

22. The role of continuous intraarterial nimodipine infusion in the management of severe vasospasm in patients with subarachnoidal haemorrhage. *Abstract*
Doukas A, Petridis AK, Barth H, Ulmer S, Jansen O, Mehdorn HM
23rd Hellenic Neurosurgical Congress, Alexandroupolis, Greece 10th -13th June, 2009.

23. Ten years of spinal tumors. From Laminectomy to the interlaminar approach. *Abstract*
Doukas A, Nabavi A, Petridis AK, Mehdorn HM
XIV World Congress of Neurological Societies, WFNS 2009, Boston, USA 29th Aug-4th Sept, 2009

24. Surgical outcome of cerebral amyloid angiopathic brain haemorrhage. *Abstract*
Petridis AK, Barth H, Buhl R, Hugo HH, Mehdorn HM
XIV World Congress of Neurological Societies, WFNS 2009, Boston, USA 29th Aug-4th Sept, 2009

25. Polysialic acid breaks the barrier of the glial scar. Bioengineered regeneration of the spinal cord. *Lecture*
Petridis A, El-Maarouf A, Rutishauser U
13th Congress of the European Federation of Neurological Societies, Florence, Italy 12th-15th Sep, 2009.

26. Engineered Expression of Polysialic Acid on Astrocytes Promotes Recruitment of Neural Precursors into a Brain Lesion. *Abstract*
Petridis AK, El Maarouf A, Rutishauser U.
American Association of Neurological surgeons, 2010 AANS Annual Meeting, Philadelphia, PA, May 1-5, 2010

27. Diagnostik value of MRI in perimesencephalic and non-perimesencephalic SAH of unknown origin. *Lecture*
Maslehaty H, **Petridis AK**, Barth H, Mehdorn HM.
5th European-Japanese Joint Conference on Stroke Surgery, July 8-11, 2010, Düsseldorf, Germany

28. The effect of lung-protective permissive hypercapnia in intracerebral pressure in patients with subarachnoid hemorrhage and ARDS-A retrospective study. *Lecture*
Petridis AK, Barth H, Kienke S, Mashlehaty H, Doukas A, Mahvash M, Mehdorn HM.
5th European-Japanese Joint Conference on Stroke Surgery, July 8-11, 2010, Düsseldorf, Germany

29. Continuous Intraarterial Infusion of Nimodipine at the onset of resistant vasospasm in Aneurysmal Subarachnoidal Haemorrhage. Technical Report. *Lecture*

Doukas A*, **Petridis AK***, Barth H, Jansen O, Mehdorn HM.

*equal contribution

5th European-Japanese Joint Conference on Stroke Surgery, July 8-11, 2010, Düsseldorf, Germany

30. Prognostic factors in 817 patients with intracerebral bleeding treated in a single institution. *Abstract*

Petridis AK, Doukas A, Barth H, Mehdorn HM.

2011 AANS Annual Meeting, April 9-13, 2011, Denver, Colorado, USA

31. Polysialic acid overexpression in malignant astrocytomas. *Abstract*

Petridis AK, Wedderkopp H, Hugo HH, Mehdorn HM

2011 AANS Annual Meeting, April 9-13, 2011, Denver, Colorado, USA

32. Permissive hypercapnia does not influence intracerebral pressure in patients with subarachnoid haemorrhage. *Abstract*

Petridis AK, Barth H, Kienke S, Mashlehaty H, Doukas A, Mahvash M, Mehdorn HM.

2011 AANS Annual Meeting, April 9-13, 2011, Denver, Colorado, USA

33. Usage of MRI in non-aneurysmal perimesencephalic and non-perimesencephalic spontaneous subarachnoid hemorrhage. *Lecture*

Maslehaty H, **Petridis AK**, Barth H, Mehdorn HM.

2011 AANS Annual Meeting, April 9-13, 2011, Denver, Colorado, USA

34. Neuronal Progenitor Cell Migration / Differentiation Balance is influenced by Brain-Derived Neurotrophic Factor Levels. *Lecture*

Petridis AK.

Meeting of the German Society of Neurosurgeons (DGNC), May 2011, Hamburg, Germany

35. Neural cell adhesion molecule isoform 120 (NCAM 120) and beta1-integrin cooperation in neurite outgrowth induction. *Abstract*

Petridis AK.

80th AANS Annual Meeting, April 14-18, 2012, Miami, Florida, USA

36. Neuronal Progenitor Cell Migration / Differentiation Balance is influenced by Brain-Derived Neurotrophic Factor Levels. *Abstract*

Petridis AK.

80th AANS Annual Meeting, April 14-18, 2012, Miami, Florida, USA

37. 3D Rotational Angiography in surgical planning of Aneurysm Clipping
Petridis AK, Doukas A, Niu H, Barth H, Maslehaty H, Riedel C, Jansen O,
Mehdorn HM. *Abstract*

80th AANS Annual Meeting, April 14-18, 2012, Miami, Florida, USA

38. Continuous Intraarterial Infusion of Nimodipine at the onset of resistant va-
sospasm in Aneurysmal Subarachnoidal Haemorrhage. Technical Report. *Ab-
stract*

Doukas A, **Petridis AK**, Barth H, Jansen O, Mehdorn HM

80th AANS Annual Meeting, April 14-18, 2012, Miami, Florida, USA

39. Microsurgical treatment of symptomatic spinal cavernous malformations
-Summary of 14 cases. *Abstract*

Maslehaty H, **Petridis AK**, Barth H, Mehdorn HM.

63rd Annual Meeting of the German Society of Neurosurgery, Joint meeting with
the Japanese Neurosurgical Society, June 13-16, 2012, Leipzig, Germany

40. Spontaneous supratentorial intracerebral hemorrhage – experiences with 817
patients during the last decade. *Lecture*

Maslehaty H, **Petridis AK**, Barth H, Mehdorn HM.

63rd Annual Meeting of the German Society of Neurosurgery, Joint meeting with
the Japanese Neurosurgical Society, June 13-16, 2012, Leipzig, Germany

41. How molecular modeling tools support stem cell research in neurooncology.

Zhang R, Schachner M, Raabe O, Arnhold S, **Petridis AK**, Mehdorn HM,
Schauer R, Siebert H-C. *Abstract*

Stem cells and cancer, 7th International Heinrich F. C. Behr-Symposium, Okto-
ber 14-16, 2012, Heidelberg, Germany

42. Symptomatic spinal cavernous malformations – treatment and outcome.

Maslehaty H, Barth H, **Petridis AK**, Doukas A, Mehdorn HM. *Abstract*

3rd International Congress on Reconstructive Neurosurgery, June 8-12, 2012,
Kiel, Germany.

43. Continuous measurement of cerebral oxygenation with near infrared spec-
troscopy (NIRS) after spontaneous subarachnoid hemorrhage.

Maslehaty H, **Petridis AK** et al. *Abstract*

81st AANS Annual Meeting, April 27th - May 1st, 2012, New Orleans, LA,
USA

44. Extensive growth of an anaplastic meningioma – a unique case with limited
treatment possibilities.

Maslehaty H, **Petridis AK** et al. *Abstract*

81st AANS Annual Meeting, April 27th -May 1st, 2012, New Orleans, LA, USA

45. Treatment of basal ganglia haemorrhage by minimal invasive application of recombinant tissue-type plasminogen activator (rtPA).

Maslehaty H, **Petridis AK** et al. *Abstract*

81st AANS Annual Meeting, April 27th -May 1st, 2012, New Orleans, LA, USA

46. Treatment of intraventricular hemorrhage (IVH) by injection of intraventricular recombinant tissue-type plasminogen activator (rtPA).

Maslehaty H, **Petridis AK** et al. *Abstract*

81st AANS Annual Meeting, April 27th - May 1st, 2012, New Orleans, LA, USA

47. A rare case of a Holocord Ependymoma resembling Syringomyelia.

Petridis AK, Maslehaty H, et al. *Abstract*

81st AANS Annual Meeting, April 27th - May 1st, 2012, New Orleans, LA, USA

48. Comparison of two algorithms for the application of real time image mosaicing in Neuroendoscopical procedures.

Petridis AK, Maslehaty H, et al. *Abstract*

81st AANS Annual Meeting, April 27th - May 1st, 2012, New Orleans, LA, USA

49. Syringomyelia regression after shunting of a trapped fourth ventricle.

Petridis AK, Maslehaty H, et al. *Abstract*

81st AANS Annual Meeting, April 27th - May 1st, 2012, New Orleans, LA, USA

50. A rare case of seminoma metastasis to the thoracic spine.

Petridis AK, Maslehaty H, et al. *Abstract*

81st AANS Annual Meeting, April 27th - May 1st, 2012, New Orleans, LA, USA

51. The role of the pterional approach in the surgical treatment of olfactory groove meningiomas: A 20 year experience.

Petridis AK, Andrej D Bitter, Lampis C. Stavrinou, Georgios Ntoulis, Homajoun Maslehaty, Dukagjin Morina, Scholz Martin, Werner Hassler *Abstract*

81st AANS Annual Meeting, April 27th - May 1st, 2012, New Orleans, LA, USA

52. The transmaxillary endoscopic approach to the orbit.

Petridis AK, Saskia Schultheiß M.D., Homajoun Maslehaty M.D., and Prof. Martin Scholz M.D. *Abstract*

81st AANS Annual Meeting, April 27th - May 1st, 2012, New Orleans, LA, USA

53. The vascular pediatric emergency in neurosurgery.

Schreiber L, Maslehaty H, **Petridis AK**, Scholz M. *Lecture*

German Neurosurgical Society, Vascular Section, Hamburg, February 21st, 2013

54. Konflikte mit der A. basilaris und der A. vertebralis bei Tumoren im Bereich des kraniozervikalen Übergangs.

Schreiber L, Maslehaty H, **Petridis AK**, Scholz M. *Lecture*

German Neurosurgical Society, Microsurgery Section, Ingolstadt , March 22nd, 2013

55. Vasospasm therapy in the intensive care unit.

Petridis AK. *Lecture*

Neuroradiological meeting Rhein/Ruhr, Duisburg, Germany, March 8th, 2013

56. Investigate the effectivity of a new video-based training model compared to a control group without video-based training in spinal surgery.

Heiland DH, Schreiber L, **Petridis AK**, Scholz M. *Lecture*

Annual meeting of the German Neurosurgical Society, Duesseldorf , Mai 22nd – 29th, 2013

57. Analysis of size and configuration of ruptured aneurysms under consideration of international guidelines for management of unruptured intracranial aneurysms – Is observation justified?

Maslehaty H, Ngando H, **Petridis AK**, Scholz M. *Lecture*

Annual meeting of the German Neurosurgical Society, Duesseldorf , Mai 22nd – 29th, 2013

58. Anatomical variants of the sylvian fissure and its influence of operative procedure and outcome after clip occlusion of intracranial aneurysms.

Ngando H, Maslehaty H, **Petridis AK**, Scholz M. *Lecture*

Annual meeting of the German Neurosurgical Society, Duesseldorf , Mai 22nd – 29th, 2013

59. Pediatric parafalcine empyemas: a rare entity, case description and review of the literature.

Nikleswki F, **Petridis A**, Scholz M. *Lecture*

41st Annual ISPN Meeting, Mainz, Sep 29-Okt 3, 2013

60. Long term experience with ventriculoperitoneal shunting of hydrocephalus in children with vein of galen malformation. *Lecture*

Meila D, Hannak R, Feldkamp A, Jacobs C, Maslehaty H, **Petridis AK**, El-Habony R, Hassler W, Scholz M, Brassel F.

28th Annual Meeting of the German Neuroradiological Society, Cologne, Oct 10th-12th, 2013.

61. The role of polysialic acid in spinal cord regeneration.

Petridis AK. *Lecture*

International Graduate School of Neuroscience, Ruhr University Bochum, Feb 3rd, 2014.

62. Posterior Reversible Encephalopathy Syndrome is a Contraindication for biopsy but can misdiagnosed as cerebral tumor

Petridis AK et al. *Abstract*

82nd AANS Annual Scientific, San Francisco, April 5-9, 2014.

63. Optimal intraoperative aneurysm clipping with combination of microdoppler ultrasound, near-infrared indocyanine green videoangiography and intraoperative angiography

Petridis AK et al. *Abstract*

82nd AANS Annual Scientific, San Francisco, April 5-9, 2014

64. Use of PIEZO surgery Mectron® uncoforaminotomy in the anterior cervical spine

Petridis AK et al. *Abstract*

82nd AANS Annual Scientific, San Francisco, April 5-9, 2014

65. Endoscopic Visual Navigation System used to Coagulate Bleeding in a Semi-biological Model.

Petridis AK et al. *Abstract*

82nd AANS Annual Scientific, San Francisco, April 5-9, 2014

66. Carotid dissection with media cerebri artery infarction after frustrane trial of AcomA-Aneurysm embolization

Petridis AK et al. *Abstract*

82nd AANS Annual Scientific, San Francisco, April 5-9, 2014

67. AcomA aneurysm coiling with infarction of the AcomA and of the contralateral A2. Stenting was ineffective.

Petridis AK et al. *Abstract*

82nd AANS Annual Scientific, San Francisco, April 5-9, 2014

68. Conservative management is unjustified in un-ruptured intracranial aneurysms smaller than 10mm

Petridis AK et al. *Abstract*

82nd AANS Annual Scientific, San Francisco, April 5-9, 2014

69. Anatomical configuration of the Sylvian fissure and its influence on outcome after pterional approach for microsurgical aneurysm clipping

Petridis AK et al. *Abstract*

82nd AANS Annual Scientific, San Francisco, April 5-9, 2014

70. A rare case of a thoracic extradural arachnoidal cyst with spinal cord compression leading to acute paraparesis in a 12 years old boy.

Petridis AK et al. *Abstract*

82nd AANS Annual Scientific, San Francisco, April 5-9, 2014

71. Investigation of the effectivity of a new video-based training model compared to a control group without video-based training in spinal surgery

Petridis AK et al. *Abstract*

82nd AANS Annual Scientific, San Francisco, April 5-9, 2014

72. Evaluation of an Ultrasound training model based on a cadaveric sheep brain

Petridis AK et al. *Abstract*

82nd AANS Annual Scientific, San Francisco, April 5-9, 2014

73. Diagnosis and treatment strategies of pediatric neurovascular emergencies in an interdisciplinary setting

Petridis AK et al. *Abstract*

82nd AANS Annual Scientific, San Francisco, April 5-9, 2014

74. Pediatric parafalcine empyemas: a rare entity

Petridis AK et al. *Abstract*

82nd AANS Annual Scientific, San Francisco, April 5-9, 2014

75. Evaluation of the factors influencing the outcome in 57 patients with spontaneous intracerebellar hemorrhage. Introducing a new crucial parameter.

Doukas A, Maslehaty H, Hedderich J, **Petridis AK**, Barth H, Mehdorn HM.

Abstract

82nd AANS Annual Scientific, San Francisco, April 5-9, 2014

76. How NMR and molecular modelling tools support therapeutical improvements in neuroncology. (What bio-NMR contributes to nanomedicine and nanopharmacology)

Zhang R, **Petridis AK**, Eckert T, Wehrend A, Bergmann M, Wu L, Norden B, Billeter M, Scheidig A, Schauer R, Fraune S, Bosch TCG, Wienk H, Boelens R, Chatterjee BK, Siebert HC. *Abstract*

4th Annual User Meeting, Bio-NMR, Warsaw 5-8 May 2014.

77. Treatment of intraventricular hemorrhage (IVH) by injection of recombinant tissue-type plasminogen activator (rtPA) – Single institution experiences with 80 patients.

Ntoulas G, Maslehaty H, **Petridis AK**, Bitter A, Niklewski F, Morina D, Hasler W, Scholz M

Abstract

German Society of Neurological Surgeons, Dresden, May, 2014

78. Resectability of Brain metastases

Petridis AK

Lecture

1st Wedau Neurooncological Congress, Duisburg, January 2015

79. Supramarginal Resection of Gliomas

Petridis AK. Lecture

2nd Wedau Brain Awareness Day, June 2015

80. Giant chondrosarcoma of the hemispheric dura

Petridis AK et al., Abstract

84th AANS Annual Scientific Meeting, Chicago, April 2016

81. Sandwich wound closure reduces the risk of CSF leaks in posterior fossa surgery.

Petridis AK et al. Abstract

84th AANS Annual Scientific Meeting, Chicago, April 2016

82. Sandwich wound closure reduces the risk of CSF leaks in posterior fossa surgery.

Heymanns V and **Petridis AK**

Lecture

German Society of Neurological Surgeons, Frankfurt, June, 2016

83. Laparoscopic peritoneal catheter insertion in ventriculoperitoneal shunting leads 0% peritoneal shunt misplacements - A single center report of 595 patients.

Alyeldien A and **Petridis AK**

Lecture

German Society of Neurological Surgeons, Frankfurt, June, 2016

84. Is the transcranial Doppler still a reliable tool in diagnosis of vasospasm or a relic of former neurosurgical times. Correlation of transcranial Doppler sonography and brain perfusion CT values.

Toeruen M, **Petridis AK**

Lecture

German Society of Neurological Surgeons, Frankfurt, June, 2016

85. Time is life. Increased mortality of critically ill patients with aneurysmal subarachnoid haemorrhage caused by prolonged transport time to a neurosurgical unit.

Bruland I, **Petridis AK**

Lecture

German Society of Neurological Surgeons, Frankfurt, June, 2016

86. Age related incidence of subarachnoid hemorrhage in Germany – A big data approach

Petridis AK

Lecture

German Society of Neurological Surgeons, Frankfurt, June, 2016

87. Demographic distribution of hospital admissions for brain arteriovenous malformations in Germany. Estimation of the natural course with the big data approach.

Petridis AK

Lecture

German Society of Neurological Surgeons, Frankfurt, June, 2016

88. Risk factors for rebleeding after aneurysmal subarachnoid hemorrhage: A retrospective study.

Van Lieshout J, **Petridis AK**

Abstract

German Society of Neurological Surgeons, Frankfurt, June, 2016

89. The way to lateral mesencephalic sulcus: subtemporal versus extreme lateral supracerebellar infratentorial approach.

Lecture

Tortora A, Capone C, Cornelius J-F, Petridis AK, Steiger H-J.

German Society of Neurological Surgeons, Section Neuroanatomy, Zuerich, April, 2016

90. Approach and Anatomy to the cavernous sinus and anterior clinoidectomy

Lecture

Petridis AK

UKD microneurosurgery hands-on course 2016

Anatomical Institute of the Heinrich Heine University, Dusseldorf, September, 2016

91. P2-SCA direct revascularization; surgical anatomy and technical note.

Tortora A, JF Cornelius, Kamp MA, **Petridis AK**, Steiger HJ

8th European-Japanese Cerebrovascular Congress, Zurich, June, 2016

German Society of Neurological Surgeons, Frankfurt, June, 2016

92. Extracranial to intracranial and intracranial to intracranial revascularization strategies for posterior inferior cerebellar artery (PICA) aneurysms; an anatomical study.

Tortora A, Cornelius JF, **Petridis AK**, Capone C, Steiger HJ.
8th European-Japanese Cerebrovascular Congress, Zurich, June, 2016
German Society of Neurological Surgeons, Frankfurt, June, 2016

93. Time is brain- time is life

Lecture

Petridis AK

Emergency Cases Symposium. Franziskus Hospital, Mönchengöadbach, Germany, Nov 2016

94. Age-related incidence of subarachnoid hemorrhage in Germany- A big data approach. (*Abstract*)

Petridis AK, van Lieshout J, Cornelius JF, H-J Steiger

85th Annual Meeting of the American Association of Neurological Surgeons, April 22-26, 2017, Los Angeles, USA.

95. Laparoscopic peritoneal catheter insertion in ventriculoperitoneal shunting leads to 0% peritoneal shunt misplacement. A single center experience with 595 patients.

(*Abstract*)

Petridis AK, Alyeldien A, Scholz M

85th Annual Meeting of the American Association of Neurological Surgeons, April 22-26, 2017, Los Angeles, USA.

96. The importance of surgery as part of multimodal therapy in rapid progressive primary extraosseous Ewing sarcoma of the cervical intra- and epidural space.

(*Abstract*)

Petridis AK, Bostelmann R, H-J Steiger.

85th Annual Meeting of the American Association of Neurological Surgeons, April 22-26, 2017, Los Angeles, USA.

97. Experiences with posterior fossa surgery in the sitting position. (*Abstract*)

Heymanns V, **Petridis AK**

85th Annual Meeting of the American Association of Neurological Surgeons, April 22-26, 2017, Los Angeles, USA.

98. Increased mortality of patients with aneurysmatic subarachnoid hemorrhage caused by prolonged transport time to a neurosurgical unit. (*Abstract*)

Petridis AK, Bruland I, Steiger HJ

85th Annual Meeting of the American Association of Neurological Surgeons, April 22-26, 2017, Los Angeles, USA.

99. A modified subfrontal-suprarterional approach to the MCA bifurcation with minimal dissection of the temporal muscle. (*Abstract*)

Petridis AK, Jung S, Scholz M

85th Annual Meeting of the American Association of Neurological Surgeons, April 22-26, 2017, Los Angeles, USA.

100. Intraspinal lumbar juxtarticular cyst treatment through CT-guided percutaneous induced rupture may result in a favorable patient outcome. (*Abstract*)

Petridis AK, Kursumovic A, Bostelmann R, Rath S, Steiger H-J.

85th Annual Meeting of the American Association of Neurological Surgeons, April 22-26, 2017, Los Angeles, USA.

101. Demographic distribution of brain arteriovenous malformations in Germany. Estimation of the natural course with the big data approach (*Abstract*)

Petridis AK, van Lieshout J, Cornelius JF, Fischer I, Kamp MA, Steiger HJ

85th Annual Meeting of the American Association of Neurological Surgeons, April 22-26, 2017, Los Angeles, USA.

102. Clipping and coiling implications in the postprocedural headache. (*Abstract*)

Petridis AK, Cornelius JF, Steiger HJ.

85th Annual Meeting of the American Association of Neurological Surgeons, April 22-26, 2017, Los Angeles, USA.

103. Could spinal canal compression be a cause of polyneuropathy (*Abstract*)

Petridis AK, Bostelmann R, Steiger HJ

85th Annual Meeting of the American Association of Neurological Surgeons, April 22-26, 2017, Los Angeles, USA.

104. Is the transcranial Doppler still a reliable tool in diagnosis of vasospasm or a relic of former neurosurgical times. Correlation of transcranial Doppler sonography and brain perfusion CT values (*Abstract*)

Petridis AK, Kamp MA, Dietrich C, Steiger HJ.

85th Annual Meeting of the American Association of Neurological Surgeons, April 22-26, 2017, Los Angeles, USA.

105. Pilot study of Gliadel implantation in surgery of primary glioblastoma. (*Abstract*)

Tallo A, Scholz M, Petridis AK

85th Annual Meeting of the American Association of Neurological Surgeons, April 22-26, 2017, Los Angeles, USA.

106. Volume of cerebrospinal fluid drainage as a predictor for pretreatment aneurysmal rebleeding.

van Lieshout J, Pumplün I, Fischer I, Kamp MA, Cornelius JF, Steiger HJ, Boogarts HD, Beseoglu K, **Petridis AK.**

85th Annual Meeting of the American Association of Neurological Surgeons, April 22-26, 2017, Los Angeles, USA.

107. Pathoanatomical features of ruptured MCA mirror aneurysms compared to the non-ruptured side (*Lecture*)

Petridis AK

German Society of Neurological Surgeons, Magdeburg, 2017

108. 3 months follow-up of subarachnoid haemorrhage headaches after treatment of ruptured aneurysms in interventional and surgically treated patients (*Lecture*)

Petridis AK

German Society of Neurological Surgeons, Magdeburg, 2017

109. Contrast enhancement special sequence MRI of the aneurysm wall can be a predictor to treat (*Lecture*)

Petridis AK

German Society of Neurological Surgeons, Magdeburg, 2017

110. Perfusion CT fails to predict vasospasms after subarachnoid hemorrhage but responds to intraarterial vasospasmolysis (*Poster*)

Petridis AK

German Society of Neurological Surgeons, Magdeburg, 2017

111. Surgery as part of a multimodal therapy in a rapid progressive extraosseous Ewing sarcoma of the cervical spine (*Poster*)

Petridis AK

German Society of Neurological Surgeons, Magdeburg, 2017

112. Missed diagnosis of acute subarachnoid hemorrhage in the era of modern chain of survival, interdisciplinary and multimodal diagnostic options. (*Lecture*)

Doukas A, Barth H, **Petridis AK**, Mehdorn HM, von der Brölicke C

German Society of Neurological Surgeons, Magdeburg, 2017

113. Intraoperative ICG-based cortical perfusion assessment in patients suffering from severe traumatic brain injury (*Lecture*)

Kamp MA, **Petridis AK**, Steiger HJ, Turowski B, Sloty P

German Society of Neurological Surgeons, Magdeburg, 2017

114. Endoscopic-assisted harvest of occipital artery in EC-IC bypass surgery; An anatomical study. (*Lecture*)

Angelo Tortora, Jan F. Cornelius,, **Athanasios K. Petridis**, Hans-Jakob Steiger. Section Microanatomy, German Society of Neurosurgeons, March 30th, 2017, Luxemburg

115. Evaluation of hemodynamic changes after extracranial-intracranial bypass using dynamic perfusion CT imaging with acetazolamide challenge.

Tortora A, Sadat H, Steiger H, Turowski J, Cornelius J, **Petridis AK** German Society of Neurological Surgeons, Magdeburg, 2017

116. Endoscopic-assisted harvest of frontal STA brach in EC-IC bypass surgery; An anatomical study.

Tortora A, Sadat H, Cornelius J, van Lieshout J, Steiger H, **Petridis AK** German Society of Neurological Surgeons, Magdeburg, 2017

117. AneurysmFlow; a novel angiographic tool to analyse cerebral blood flow.

Tortora A, Cornelius J, Steiger H, **Petridis AK**, Turowski B German Society of Neurological Surgeons, Magdeburg, 2017

118. The pterional approach. (*Lecture*)

Petridis AK

Microneurosurgical hands-on course, Duesseldorf, September 14-16, 2017

119. Time is Brain (*Lecture*)

Petridis AK

Neurosurgical Update Symposium, Duesseldorf, September 20th, 2017

120. Evaluating the aneurysm rupture risk by anatomical parameters. (*Lecture*)

Petridis AK

Neurosurgical Update Symposium, Duesseldorf, September 20th, 2017

121. Perfusion CCT analysis before and after spasmolytic therapy (*Lecture*)

Petridis AK

The 14th international conference on acute neurovascular event after subarachnoid hemorrhage – Vasospasm 2017, Huntington Beach, U.S.A.

122. Identification of the ruptured aneurysm in multiple intracranial aneurysms (*Lecture*)

Petridis AK

Vascular Neurosurgery Section of the German Society of Neurosurgery, Aachen, Germany, March 2nd-3rd, 2018

123. Contrast enhancement of vascular walls of intracranial arteriovenous malformations indicates high inflammatory activity (*Lecture*)

Petridis AK

Vascular Neurosurgery Section of the German Society of Neurosurgery, Aachen, Germany, March 2nd-3rd, 2018

124. De novo aneurysm formation in patients with at least one diagnosed intracranial aneurysm in history (*Lecture*)

Petridis AK, Vourla E, Cornelius JF, Kamp MA, Turowski B, Steiger HJ
German Society of Neurosurgery, Münster, Germany, June 4-6th, 2018

125. Intra-operative perfusion measurement using IR video – challenges and approaches

Fischer I, Turowski B, Cornelius JF, Slotty P, **Petridis AK**, Steiger HJ, Kamp MA.

German Society of Neurosurgery, Münster, Germany, June 4-6th, 2018

126. Continuous and dynamic facial nerve mapping with a stimulation-suction during surgery of cerebello-pontine angle tumors – clinical pilot study.

Cornelius JF, Tortora A, Krause Molle Z, Smuga M, **Petridis AK**, Schipper J, Steiger HJ

German Society of Neurosurgery, Münster, Germany, June 4-6th, 2018

127. Aneurysm wall enhancement in black blood MRI correlates with aneurysm size – a study on 71 patients with 90 aneurysms.

Petridis AK, Chasoglou E, Fischer I, Cornelius JF, Kamp MA, Steiger HJ, May R

German Society of Neurosurgery, Münster, Germany, June 4-6th, 2018

128. Der Einfluss der lumbalen Chirurgie auf Modic-Veränderungen – Ergebnisse einer prospektiven Studie mit 2-jährigem Nachuntersuchungszeitraum. (Poster)

Bostelmann R, **Petridis AK**, Fischr K, Vajkoczy P, Bostelmann T, Barth M

13. Jahrestagung der deutschen Wirbelsäulengesellschaft, (annual meeting of the German Spine Society) Wiesbaden, Germany, December 2018

129. Aneurysm treatment response prediction in follow up black blood MRI after Aspirine or Stent. A series analysis of 3 cases. (Poster)

Petridis A.¹, Cornelius J.¹, Steiger H.J.¹, May R.²

American Association of Neurological Surgeons, San Diego, 2019

130. Aneurysm wall enhancement in black blood MRI correlates with aneurysm size. A study on 71 Patients with 90 Aneurysms (Poster)

Petridis A., Chasoglou E. , Fischer I. , Steiger H.J.,

American Association of Neurological Surgeons, San Diego, 2019

131. Contrast enhancement of vascular walls of intracranial arteriovenous malformations indicates high inflammatory activity. (Poster)

Petridis A.¹, Cornelius J.¹, Steiger H.J.¹, May R.²

American Association of Neurological Surgeons, San Diego, 2019

132. Cavernous brain malformations and inflammation in black blood MRI. (Poster)

Petridis A.¹, Cornelius J.¹, Steiger H.J.¹, May R.²

American Association of Neurological Surgeons, San Diego, 2019

133. Blood clearing rate and need for ventriculo-peritoneal shunt in patients with a subarachnoid haemorrhage. (Poster)

Athanasios K. Petridis, Angelika Zhivotovskaya, Hans Jakob Steiger

American Association of Neurological Surgeons, San Diego, 2019

134. De novo aneurysm formation in patients with at least one diagnosed intracranial aneurysm in history. (Poster)

Petridis A.¹ Vourla E¹, Steiger H.J.¹, May R.²

American Association of Neurological Surgeons, San Diego, 2019

135. Identification of the ruptured aneurysm in multiple intracranial aneurysms. (Poster)

Athanasios K. Petridis¹, Evangelos Mavrakis¹, Hans Jakob Steiger, Andreas Raabe², Christian Fung²

American Association of Neurological Surgeons, San Diego, 2019

136. Prognostic model for chronic shunt-dependent hydrocephalus following aneurysmal subarachnoid haemorrhage (Lecture)

Athanasios K. Petridis

International Conference on Subarachnoid hemorrhage (ISAH) 2019, Amsterdam, June 2019

137. Blood clearing rate and need for ventriculo-peritoneal shunt in patients with a subarachnoid hemorrhage (Poster)

Petridis AK.

German Society of Neurosurgeons annual Meeting (DGNC), Würzburg, Mai, 2019

138. Low Wall Shear Stress is Associated with Presence of Wall Enhancement in Vessel Wall MRI of Unruptured Intracranial Aneurysms

Petridis AK.

German Society of Neurosurgeons annual Meeting (DGNC), Würzburg, Mai, 2019

139. Algorithmen for CT- und Video-Perfusion – Vergleich der Ergebnisse
Algorithms for CT- and Video-Perfusion – comparing the results

I. Fischer (Düsseldorf), B. Turowski (Düsseldorf), J. F. Cornelius (Düsseldorf), P. J. Slotty (Düsseldorf), **A. Petridis (Düsseldorf)**, H.-J. Steiger (Düsseldorf), M. A. Kamp

German Society of Neurosurgeons annual Meeting (DGNC), Würzburg, Mai, 2019

140. Notfall EC-IC und IC-IC Revaskularisierungsverfahren. Eine Serie von 8 Patienten

Emergency extracranial to intracranial (EC-IC) and intracranial to intracranial (IC-IC) revascularisation procedures. A series of 8 patients

A. Tortora (Düsseldorf), **A. Petridis (Düsseldorf)**, H.-J. Steiger (Düsseldorf), J. F. Cornelius (Düsseldorf)

German Society of Neurosurgeons annual Meeting (DGNC), Würzburg, Mai, 2019

141. Evaluation of the standard deviation of the mean transit time with regard to functional outcome after aneurysmal subarachnoid haemorrhage

Rubbert C, ... **Petridis AK**, Turowski B, Caspers J

54. Jahrestagung der Deutschen Gesellschaft für Neuroradiologie e.V. und 27. Jahrestagung der Österreichischen Gesellschaft für Neuroradiologie vom 9. – 12. Oktober 2019 in Frankfurt a.M.

142. Bildgebung der Degeneration der zervikalen Bandscheibe mittels HR 1H NMR Spektroskopie.

Arrighi M, **Petridis AK**, Bostelmann R.

14. Deutscher Wirbelsäulenkongress, München 28.-30. November, 2019

143. Occipital artery (OA) to cortical branch of middle cerebral artery (M4) bypass as additional surgery in patients with moyamoya disease and previous revascularization with superficial temporal artery (STA) (Lecture)

Arrighi, Tortora,.. **Petridis AK** et al.

EANS vascular section meeting, Nice 5-6 September, 2019, France

144. Emergency extracranial to intracranial (EC-IC) and intracranial to intracranial (IC-IC) revascularization procedures: A series of 8 patients (Lecture)

Tortora, **Petridis AK**

EANS vascular section meeting, Nice 5-6 September, 2019, France

145. Use of neuronavigation for superficial temporal artery to cortical branch of middle cerebral artery (STA-M4) revascularization in the treatment of fusiform aneurysms of middle cerebral artery (MCA): A series of 6 patients (Lecture)
Tortora, .. **Petridis AK** et al.

EANS vascular section meeting, Nice 5-6 September, 2019, France

146. Do mass events trigger subarachnoid hemorrhage? (Poster)
Karadag C, Mijderwijk HJ, Muhammad S, Hänngi D, **Petridis AK**
Accepted in Turkish Society for Neurosurgery, 2020, Postponed

147. Metabolomic profiling with ¹H NMR spectroscopy to predict disc degeneration in the human cervical spine. (Poster)

Koch K, Arrighi M, Hartmann R, Willbold D, Hänngi D, **Petridis AK**, Muhammad S, Fritsche E, Bostelmann R.

German Society of Neurological Surgeons, 2020, Lübeck, Germany

148. Use of neuronavigation for superficial temporal artery to cortical branch of middle cerebral artery (STA-M4) revascularisation in the treatment of fusiform aneurysms of middle cerebral artery (MCA) – a series of 6 patients. (Poster)

Tortora A, Cornelius JF, Steiger HJ, Hänngi D, **Petridis AK**

German Society of Neurological Surgeons, 2020, Lübeck, Germany

149. Extracranial to intracranial (EC-IC) and intracranial to intracranial (IC-IC) revascularisation procedure on patients with malignant brain tumour – a series of 3 patients. (Poster)

Tortora A, Steiger HJ, Cornelius JF, Hänngi D, Sabel M, **Petridis AK**

German Society of Neurological Surgeons, 2020, Lübeck, Germany

150. Assymetry of the feeding A1 arteries does not associate with the formation an anterior communication artery aneurysm. (Poster)

Wetzel-Yalelis A, **Petridis AK**

American Association of Neurological Surgeons, Orlando, Florida, 2021

151. Assymetry of the feeding A1 arteries does not associate with the formation of an anterior communication artery aneurysm. (Lecture)

Wetzel-Yalelis A, **Petridis AK**

German Society of Neurological Surgeons, 2021, Digital

152. Does pregnancy and puerperium increase the risk for hemorrhage from a cerebral arteriovenous malformation? (Lecture)

Karlsson B, Johansson AV, **Petridis AK** et al.

AVM 2021 Meeting, New York City, 26.-28. September 2021

153. Innovation in vascular neurosurgery global health through intensive collaboration between centres of economically advanced regions and centres in resource limited regions. (Poster)

Fezeu F and **Petridis AK**

EANS, Hamburg, 3.-7. October 2021

