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Place of Birth: Athens, Greece

Education: 1990, MD, University of Athens, School of Medicine

Postdoctoral Training: 7/2002-6/2003: Functional Fellow, Neurosurgery, UCSF Dept. of Neurosurgery, San Francisco, CA
7/ 1999-6/2002: Residency Neurosurgery: MCW, Milwaukee, WI
7/1997-6/1999: Resident, Neurosurgery: Hahneman/MCP University, Philadelphia, PA
7/1996-6/1997: Intern, General Surgery: Hahneman/MCP University, Philadelphia, PA
12/1992-6/1996: Visiting Fellow: Surgical Neurology Branch, NIH, Bethesda, MD
10/1992-11/1992: Staff Fellow: Laikon General Hospital, Athens, Greece
11/1990-10/1992 General Medical Officer: Greek Army
5/1991-2/1992 General Doctor, Surgery Clinic, 412 Army Hospital, Xanthi, Greece

Licence and Certification: 2002 Medical License, CA (active)
1999 Medical License, WI (active)
1996 Medical License, PA (temporary, expired)
1996 Permanent ECFMG Certificate
1990 Doctor and Surgeon, Athens Medical Board

Professional Societies: 1999, American Association of Neurologic Surgeons, Resident and Fellow member
2000, Congress of Neurosurgeons, Resident and fellow member
2003, The Movement Disorder Society, member
1990, Medical Society of Athens, member

Awards and Honors
1993, Onassis Foundation Fellowship: To support active participation in research in the neuroscience
1992, Lilian Voudouri Fellowship: awarded to "most promising Greek medical researcher abroad":
1990 MD Degree with Honors (top 2%-Summa Cum Laude)
"Scholarship of Excellence" awarded by the Greek Ministry of Education to the first ranked students of each medical school class: 1985, 1986, 1988, 1989, 1990
1984: National Hellenic Exams: 2nd_out of 20,000 candidates
1984 High School Degree with Honors (GPA=19.9/20)
Valedictorian of Class
1979-1984 "Praises of Excellence" awarded by the Greek Ministry of Education

Research, Teaching and Clinical Contributions

From 12/1992 to 6/1996, while being a fellow at NIH (Surgical Neurology Branch), I worked in the lab performing experiments at the level of molecular Biology as well using animal models. The Vascular Endothelial Growth Factor (VEGF), an angiogenesis factor, was the major interest of my research there. I performed experiments showing the expression of VEGF by the brains of animals after head injuries. I also quantitated the amount of VEGF expressed in brain tumors inoculated to animals and the differential response to various doses of corticosteroids. This work there led to 2 significant publications (see below).

During my residency training, I developed significant interest to Head Injuries and their treatment as well as the organization of the Neurosurgical Intensive Care Unit for aggressive treatment of Head Injuries. Throughout the years of my residency, I was particularly fond of teaching the medical students and junior residents. I was giving lectures to the third year students regularly, as part of their surgical rotations. Towards the end of my residency, the functional area of Neurosurgery (Epilepsy surgery and Movement disorders) captured my attention. This led to the study of brain specimens from patients operated for intractable seizures and an effort to identify the underlying pathology. During my last year I served as Chief Resident, organizing the Neurosurgery Grand Rounds, inviting speakers from all over the country, making the call schedule for the dept. of Neurosurgery and assigning residents to cases. I was also in charge of M&M conferences, the weekly Journal Club and all teaching conferences for the Neurosurgery residents. I was also part of the hospital residency review committee for the Residency programs in Plastic Surgery and Orthopedics, as well as the Hand fellowship in Plastic Surgery.

My fellowship in the area of functional Neurosurgery at UCSF confirmed my interest in Deep Brain Stimulation (DBS) and its use for treating Neurologic disorders ranging from Parkinson's disease and essential tremor to epilepsy and psychosurgery. While at UCSF I studied the effect of DBS on essential tremor and reviewed all the patients who had DBS surgery for that condition for the last 5 years, trying to identify the ideal DBS lead location for essential tremor. I was also asked to assist with the review of articles submitted to Neurosurgery for publication and also to participate in writing in 2 books titled, Controversies in Epilepsy and Seizures in the ICU environment. During my fellowship I was also teaching the junior residents at UCSF during the surgeries and explained to them the art of good Neurosurgical technique.

Report of Current Research Activities

Project: Thalamic Stimulation: Relation of Lead location to outcome

Role: Principal Investigator

Report Of Teaching

Medical College of Wisconsin

2001: Introduction to Neurosurgery: lecturer, 3rd year medical students, 160/year

2000: Neuropathology Laboratory: tutor, 2nd year medical students, 160/yr

Trainees: 6/2000-6/2001 Matthew Alexander, Chief Resident in Neurosurgery

6/2001-6/2002 Kim Rickert, 3rd year resident in Neurosurgery

BIBLIOGRAPHY

Presentations/ Abstracts/Lectures

1. **Papavassiliou E:** "Diabetes Mellitus and Heart Disease- A Review". 1st Conference of the Association of the University of Athens Medical Graduates, Athens 1988.

2. **Papavassiliou E, Stratakis CA, Margioris AN, Chrousos GP:** Levels of somatomedin C (IGF-I) in plasma: Comparison before and after the separation of plasma proteins with C-18 Sep-pak columns. 16th Congress of the Hellenic Endocrine Society, Athens, 1990.

3. Karalis K, **Papavassiliou E**, Margioris AN, Tolis G: A long-acting somatostatin analog reduces the acute inflammatory response in the rat. 72nd Annual Meeting of The Endocrine Society, San Francisco 1990.
4. **Papavassiliou E**, Heiss JD, Merrill MJ, Nieman L, Oldfield EH: Dexamethasone Suppression of Glioma Derived Endothelial Growth Factor / Vascular Permeability Factor Activity Occurs at the Capillary level and Requires the Glucocorticoid Receptor. 62nd Annual Meeting of the American Association of Neurologic Surgeons, San Diego 1994.
5. **Papavassiliou E**, Heiss JD, Merrill MJ, Nieman L, Knightly J, Walbridge S, Oldfield EH. Dexamethasone Suppression of Brain Tumor Permeability Requires the Glucocorticoid Receptor. 77th Annual Meeting of The Endocrine Society, 1995.
6. **Papavassiliou E**. Gene Therapy for Brain Tumors. Guest speaker to the 1st Medical Seminar of the Hellenic American Society for the Health Sciences in collaboration with Georgetown University, Limassol, Cyprus 1995.
7. **Papavassiliou E**, Merrill MJ, Heiss JD, Walbridge S, Oldfield EH. Expression of Vascular Endothelial Growth Factor / Vascular Permeability Factor (VEGF/VPF) Following Stab and Freeze brain Injury: AANS 1996.
8. **Papavassiliou E**. Management of the Unstable Cervical Spine. 1st Annual Trauma Workshop in Milwaukee, WI. Hands-on workshop and lecture. April 2000
9. **Papavassiliou E**, Barbaro N, Larson P, Abosch A, Marks W, Lambourn K, Clay H, Heath S, Starr P. Thalamic stimulation for essential tremor: Relation of lead location to outcome. American Society for Stereotactic and Functional Neurosurgery. May 18-21 2003, New York
10. Larson P, Zada G, Mori M, Rau G, **Papavassiliou E**, Heath S, Christine C, Marks W, Starr P. Stimulation induced mood changes in Subthalamic Nucleus Deep Brain Stimulation; Location of the cathodal contact. American Society for Stereotactic and Functional Neurosurgery. May 18-21 2003, New York

PUBLICATIONS

1. **Papavassiliou E**. Circadian secretory rhythms of somatomedins in young adults of normal and tall stature. *Chapter in* Circadian secretory rhythms of growth hormone, prolactin, thyrotropin and somatomedins in healthy young adults of normal and tall stature: Thesis for the Doctor of Sciences degree. by CA Stratakis, University of Athens, 1993
2. Heiss JD, **Papavassiliou E**, Merrill MJ, Nieman L, Knightly JJ, Walbridge S, Oldfield EH. Dexamethasone suppression of Brain Tumor-Associated Permeability Requires the Glucocorticoid Receptor. *Journal of Clinical Investigation*. 98(6):1400-8, 1996 Sep 15
3. Gnarr JR, Zhou S, Merrill MJ, Wagner JR, Krumm A, **Papavassiliou E**, Oldfield EH, Klausner RD, Lineham WM. Post-transcriptional regulation of vascular endothelial growth factor mRNA by the product of the VHL tumor suppressor gene. *Proceedings of the National Academy of Sciences of the United States of America*, 93(20):10589-94, 1996 Oct. 1.
4. **Papavassiliou E**, Gogate N, Proescholdt M, Heiss JD, Walbridge S, Edwards NA, Oldfield, Merrill MJ. Vascular Endothelial Growth Factor (Vascular Permeability Factor) Expression in Injured Rat Brain. *Journal of Neuroscience Research*. 49(4):451-

60, 1997 Aug 15

5. Stratakis CA, Mastorakos G, Magiakou MA, **Papavassiliou E**, Panitsa-Fafila C, Georgiades E, Batrinos M. 24-Hour secretion of Growth Hormone (GH), Insulin-like Growth Factors -I and -II (IGF-I and II), Prolactin (PRL) and Thyrotropin (TSH) in young adults of tall and normal stature. *Submitted-JCEM*.
7. **Papavassiliou E.**, Jichichi D. : Benign skull tumors.. *In www.emedicine.com - Neurology.2000*
8. **Papavassiliou E.**, Jichichi D. : Benign skull tumors.. *In www.emedicine.com – Neurology. 2000*
9. **Papavassiliou E.** : Treatment of Brain Injuries: In : Textbook of Neurology, editor Prof . M. Dalakas, University of Athens, 2003
10. **Papavassiliou E.** : Brain Tumors: In : Textbook of Neurology, editor Prof . M. Dalakas, University of Athens, 2003
11. **Papavassiliou E**, Rau G, Heath S, Abosch A, Barbaro NM, Larson PS, Lamborn K, Starr PA, Thalamic deep brain stimulation for essential tremor: relation of lead location to outcome. *Neurosurgery.* 2004 May; 54(5):1120-29; discussion 1129-30.
12. **Papavassiliou E**, Varelas PN: Brain Tumors and ICU Seizures: Chapter In: Seizures in Critical Care, editor Panayiotis N. Varelas, MD, PhD, Humana Press 2005