

# Efstratios Georgakarakos, MD, MSc, PhD

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## **A. EDUCATION-EXPERIENCE**

Experienced Vascular Surgeon with a demonstrated history of working in the hospital & health care industry. Skilled in Vascular Surgery, Clinical & Basic Research and Medical Education.

I received his medical degree from university of Crete in 1998 and a MSc in Endovascular Surgery from the Medical School of University of Athens (2011). My PhD Thesis (1999) focused on the computational simulation of the hemodynamic performance of Abdominal Aortic Aneurysms.

After successful completion of basic vascular training in University Hospital of Heraklion, Crete, Greece, I worked in the Vascular Department of St. Bonifatius Hospital in Lingen (Ems), Germany (2010, Directors: Hartmut Goertz, Joerg Tessarek). Since 2010 I serve as Consultant Vascular Surgeon/Assistant Professor of Vascular Surgery at Democritus University of Thrace, University Hospital of Alexandroupolis, Alexandroupolis, Greece.

I am actively involved in the pre- and postgraduate Academic Teaching of Vascular Surgery as clinical tutor and instructor in doctoral research projects. I am the author or coauthor of more than 140 scientific publications (first Author in more than 80) indexed in Pubmed and of 6 international book chapters relative to vascular surgery.

My major scientific and research interest focuses on the computational simulation of hemodynamic performance of abdominal aortic aneurysms, aortic endografts and abdominal aorta as well as peripheral arterial disease.

With respect to the scientific field of the volume tentatively entitled: The Fundamentals of Pulse Waves", part of my scientific publications (see below #91, 96, 98, 108, 111 &114) certifies my active involvement in the aforementioned subject.

## **B. PUBLISHED ARTICLES IN JOURNALS INDEXED IN PUBMED & SCOPUS**

1. **Georgakarakos E**, Ioannou CV, Volanis S, Papaharilaou Y, Ekaterinariis J, Katsamouris AN. The Influence of Intraluminal Thrombus on Abdominal Aortic Aneurysm Wall Stress. Int Angiol. 2009; 28:325-33.
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3. Ioannou CV, Velegakis J, Kostas T, **Georgakarakos E**, Touloupakis E, Anezinis P, Katsamouris A.N. Caval Migration Of A Ureteral J-Stent After Simultaneous Ureter And Iliac Vein Perforation During Its Placement For Obstructive Pyelonephritis. Int Angiol. 2009; 28:421-4.
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10. Ioannou CV, Kostas T, Tsetis D, **Georgakarakos E**, Gionis M, Katsamouris A.N. External jugular vein aneurysm: a source of thrombotic complications. Int Angiol. 2010; 29:284-5.
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15. **Georgakarakos E**, Ioannou C, Papaharilaou Y, Kostas T, Kozyrakis G, Katsamouris A. Studying the expansion of small abdominal aortic aneurysms: is there a role for peak wall stress? Int Angiol. 2011; 30:462-6.
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26. Tsivgoulis G, Kerasnoudis A, Krogias C, Vadikolias K, Meves SH, Heliopoulos I, **Georgakarakos E**, Piperidou C, Alexandrov AV. Clopidogrel load for emboli reduction in patients with symptomatic carotid stenosis undergoing urgent carotid endarterectomy. *Stroke.* 2012; 43:1957-60.
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abdominal aortic aneurysm may provide insight in aneurysms natural history and rupture risk. Theor Biol Med Model. 2013; 10:67.

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