

KATERINA K NAKA MD, PhD(UK), FESC
ASSOCIATE PROFESSOR OF CARDIOLOGY, UNIVERSITY OF IOANNINA

ABBREVIATED CURRICULUM VITAE

PERSONAL INFORMATION

First Name: KATERINA (AIKATERINI)
Last Name: NAKA

ADDRESS (Current Position)

Address: 2ND DEPARTMENT OF CARDIOLOGY, FACULTY OF MEDICINE,
SCHOOL OF HEALTH SCIENCES, UNIIVERSITY CAMPUS
Postal Code: 45 110
City: IOANNINA
Country: GREECE
Telephone Number: +30 2651007843
+30 2651099847, 99676
Fax Number: +30 2651007865
E-mail Address: anaka@uoi.gr, drkknaka@gmail.com

ACADEMIC QUALIFICATIONS

1994	Ptychio Iatrikes (Medical Diploma - MD)	University of Ioannina Medical School, Ioannina, Greece
2003	PhD in Medicine	University of Wales College of Medicine, Cardiff, UK

PROFESSIONAL EXPERIENCE

Jan 2017 - continuing	Associate Professor of Cardiology	2 nd Department of Cardiology, University of Ioannina Medical School and University Hospital of Ioannina
Mar 2011 – Jan 2017	Assistant Professor of Cardiology	2 nd Department of Cardiology, University of Ioannina Medical School and University Hospital of Ioannina
Mar 2006 – Mar 2011	Lecturer in Cardiology	Department of Cardiology, University of Ioannina Medical School and University Hospital of Ioannina

Registration/Medical License number

4//11/1994 GREEK REPUBLIC, PREFECTURE OF IOANNINA (14942)
1997-2000 & 2013–cont. General Medical Council (4375588)

PROFESSIONAL SOCIETY MEMBERSHIP

2004 Hellenic Cardiac Society
2004 European Society of Cardiology (ESC)

2004	European Association of Echocardiography of the ESC
2007	Heart Failure Association of the ESC
2007	Working Group of the Peripheral Circulation of the ESC
2010	Fellow of the European Society of Cardiology
2010-2014	Member of the Nucleus of the Working Group of the Peripheral Circulation of the ESC
2012-2014	President of the Working Group of Peripheral Circulation of the Hellenic Cardiac Society
2018-2020	Member of the Nucleus of the Working Group of Heart Failure of the Hellenic Society of Cardiology

FOREIGN LANGUAGES

English	Excellent PhD, University of Wales First Certificate in English, University of Cambridge
French	Very good Diplôme d' Études Françaises, 2e degré, Université de Paris, Sorbonne

CLINICAL WORK

My clinical work currently includes:

- Daily ward rounds in the Cardiology Wards and Acute Cardia Care Unit – emphasis on patients with heart failure, Valvular heart disease or pulmonary hypertension
- Weekly transthoracic echocardiography clinic
- Weekly transoesophageal and stress echocardiography clinic
- Weekly out-patient heart failure clinic (Dr Naka initiated this clinic in February 2014)
- Biweekly out-patient advanced heart failure clinic
- Biweekly out-patient pulmonary hypertension clinic
- Weekly catheterization laboratory session (coronary angiogram, right heart catheterization)

TEACHING WORK

Pre-graduate studies

- Cardiology; daily lectures and clinical teaching in small groups of students (4th year of Medicine)
- Pathophysiology of the cardiovascular system; 5 lecture hours per academic year on atherosclerosis, ischemia and myocardial infarction, heart failure and cardiomyopathies (3rd year of Medicine)
- History Taking; clinical teaching in small groups of students (3rd year of Medicine)
- General Medicine; 2 lecture hours (6th year of Medicine)
- Prevention of Cardiovascular Diseases; responsible for the elective course since the academic year 2018-2019
- Internship; responsible for the optional elective course since the academic year 2014-2015

Post-graduate studies

- 'Pain in Cardiology', 5 lecture hours / academic year from 2005-2006 and until 2009-2010, as part of the Programme of Post-Graduate Studies 'Management of Pain',

organized by the Laboratory of Medical Psychology (Department of Psychiatry) of the Faculty of Medicine, University of Ioannina and the Department of Basic Medicine of the Technical University of Athens.

- 'Atherosclerosis' and 'Heart Failure', 4 lecture hours / academic year from 2017-18 onwards, as part of the Programme of Post-Graduate Studies on Basic Biomedical Sciences, organized by the Faculty of Medicine (7 Departments), University of Ioannina.
- Cardiology Trainees of the 2nd Department of Cardiology, University Hospital of Ioannina

Dr Naka, as a member of the 2nd Department of Cardiology, has participated in the organization of various seminars for the continuing education of cardiologists in Northwestern Greece on almost all areas of cardiovascular medicine.

European Society of Cardiology Committee for the EEGC

Dr Naka is one of the representatives of Greece in the European Society of Cardiology Committee for the European Examination of General Cardiology (EEGC) as follows:

- Participation in Multiple Choice Question (MCQ) Writing and Reviewing meetings (once or twice a year) since 2013
- MCQ production for the ESCeL General Cardiology content (ESC educational platform)
- MCQ selection meetings (once a year since 2015); Deputy chair of the MCQ selection committee for the EEGC since 2018

RESEARCH WORK (selection)

PhD thesis

Pulse Wave Velocity for the assessment of mechanical properties of large arteries. Emphasis following exercise (2003)

Supervisors: Senior Lecturer J Goodfellow & Professor AH Henderson

Current research interests

1. Heart Failure (HF)

- Study of structural and functional vascular indices in patients with HF
- Study of the epidemiology, natural history and prognosis of various phenotypes and causes of HF
- Study of current therapeutic approaches of arrhythmias and valvular heart disease (percutaneous interventions) in HF patients

2. Imaging in Cardiology

- Echocardiography: study of left ventricular diastolic function in relation to the coronary microcirculation in patients with hypertension, chronic kidney disease, (peritoneal) dialysis, and renal transplantation
- Invasive imaging methods. Characterization of atheromatous plaque for the diagnosis of vulnerable plaque and construction of algorithms that allow automatic characterization of atheromatous plaques using invasive imaging methods and novel methods of image processing
- Hybrid imaging in the Catheterization Laboratory using a combination of invasive imaging methods such as angiography, intravascular ultrasound, and optical coherence tomography, for the study of pathophysiology of atherosclerosis (development of atheromatous plaque and restenosis), especially in relation to the effect of flow and shear stress on atherosclerosis

3. Atheromatosis / Atherosclerosis

- Early diagnosis using non-invasive methods in patients with diabetes mellitus and children with risk factors (obesity, autoimmune diseases)

- Study of the role of classical and novel risk factors (vascular indices of subclinical atherosclerosis, novel biomarkers, genetic polymorphisms) on the development and progression of coronary artery disease

Supervision of PhD Theses

Supervisor of 5 PhD candidates

Domouzoglou Eleni, MD	Novel markers of metabolic and cardiovascular disease.	Completed September 2019
Bazoukis George, MD	Systematic study of current therapeutic approaches for arrhythmias in patients with heart failure.	To be presented
Giannitsi Sophia, MD	The Prognostic Role of Vascular Function Indices in Patients with Acute Heart Failure with Reduced Ejection Fraction.	Draft to be finalized
Bougiakli Maria, MD	Study of peripheral circulation in patients with acute heart failure syndromes. Correlation with clinical, echocardiographic, biochemical and vascular parameters.	Draft under preparation
Argyris Vassilis, MD	Study of the mechanical properties of the aorta and large vessels in patients with aortic aneurysm disease and peripheral arterial disease. Focus on the effect of endovascular treatment.	Early phase

Member of the 3-member supervising committee

Spanos Georgios, MD	Antihypertensive action and reno-cardiac protection of hypertensive patients treated with aliskiren	Completed October 2017 (Supervisor: Professor K Siamopoulos)
Patris Vassileios, MD	Immediate and long-term outcomes of valvular or paravalvular regurgitation in patients treated with transcatheter aortic valve implantation (TAVI)	Completed October 2019 (Supervisor: Associate Professor S Simenelakis)
Antoniou Sophia, MD	Diabetes Mellitus. The role of glycaemic control on cardiovascular function.	Draft under preparation (Supervisor: Assistant Professor S Tigas)
Nikopoulos Sotirios, MD	Enhancement of the prognostic accuracy of future coronary cardiovascular events by combining computational FFR and wall shear stress	First year (Supervisor: Professor LK Michalis)
Sioros Spyridon-Athanassios, MD	Study of the development of coronary atherosclerosis using computer simulation models	Started (Supervisor: Professor LK Michalis)

Funded Research Projects (current)

1. KardiaTool: An integrated POC solution for diagnosis and therapy monitoring of heart failure patients

The project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 768686.

The consortium consists of fourteen partners from nine European countries and one non-European country (US). The consortium is composed of five Universities, five research centers, two SMEs and two industry partners.

KardiaTool aims to translate a laboratory proven concept of a saliva biosensor to the clinical practice for addressing the priority needs in personalized HF diagnostics and therapy monitoring at the point of care. The 2nd Department of Cardiology, represented by **Dr Naka** is leading the clinical part of the project (WP9 and Task 7.1).

2. InSilc: In-silico trials for drug-eluting BVS design, development and evaluation.

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 77711.

The consortium includes 12 partners from 8 different EU countries and one US partner. The 2nd Department of Cardiology, represented by Professor Michalis has a key role in the clinical studies. Dr Naka is a member of the team.

International collaborations

Since 2018, Dr Naka has a research collaboration with the Cardiovascular Research Foundation (CRF), New York, NY (Associate Professor D Karpaliotis, Assistant Professor I Kosmidou). This collaborations focuses on:

- Clinical studies on the role of shear stress on the development of atherosclerosis and in-stent restenosis
- Modelling studies on the role of left atrium and left atrial appendage shear stress on the development of left atrial thrombus in patients with atrial fibrillation.

Dr Naka has organized within the University of Ioannina research facilities such as:

1. Research Laboratory for vascular studies; non-invasive assessment of endothelial function, non-invasive assessment of aortic stiffness (pulse wave velocity, central aortic pressure, augmentation index)
2. Research Laboratory for echocardiographic studies in experimental animal work; for the study of heart failure pathophysiology and treatment

Participation in Multicenter Clinical Trials

AEGIS	2019-cont.	Principal Investigator	Secondary prevention, Dyslipidemia	III
SOLOIST	2019-cont.	Principal Investigator	Diabetes mellitus, Heart Failure	III
AVANTI study	2019-cont.	Principal Investigator	Heart Failure	III
EXPOSURE	2017-cont.	Principal Investigator	Pulmonary Hypertension	Registry
GALACTIC study	2017-cont.	Principal Investigator	Heart Failure	III
ARIADNE study	2017-2019	Principal Investigator	Heart Failure	IV
VICTORIA study	2017-cont.	Principal Investigator	Heart Failure	III
EURO-ENDO	2016-2019	Sub-investigator	Infective Endocarditis	Registry
PAH-tool	2016-cont.	Principal Investigator	Pulmonary Hypertension	Registry
PACCS	2016-2018	Sub-investigator	Coronary artery disease – secondary	Registry

PARAGON- HF	2015-2019	Principal Investigator	CV prevention Heart Failure	III
REPORT – HF	2015-2018	Principal Investigator	Heart Failure	Registry
MIRTOS	2016-cont.	Sub - Investigator	Antiplatelets	IV
RE-DUAL PCI	2014-2017	Sub-Investigator	Coronary Intervention and AF	III
ENDEAVOR II	2008-2013	Sub-Investigator	Interventional Cardiology	III

PUBLICATIONS

h-index (Google Scholar): 32
Total citations: >4,650
Impact factor: >320
Average impact factor ca. 3,6

1. Functional assessment of the rat sciatic nerve following intraoperative expansion: the effect of recovery duration on behavioral, neurophysiological and morphological measures.
Beris A, **Naka K**, Skopelitou A, Kosta I, Vragalas V, Konitsiotis S, Bontioti E, Soucacos PN. *Microsurgery*. 1996;17(10):568-77. PMID: 9431520
2. Use of vibrational angioplasty for the treatment of chronic total coronary occlusions: Preliminary results.
Michalis LK, Rees MR, Davis JAS, Pappa EC, **Naka KK**, Rokkas S, Agrios N, Loukas S, Goudevenos I, Sideris DA.
Catheter Cardiovasc Interv. 1999 Jan;46(1):98-104. PMID: 10348577
Η εργασία αυτή σχολιάστηκε με editorial στο Catheter Cardiovasc Interv 1999;46:105-106
3. Flow-mediated dilatation following wrist and upper arm occlusion in humans: the contribution of nitric oxide.
Doshi SN, **Naka KK**, Payne N, Jones CJH, Ashton M, Lewis MJ, Goodfellow J. *Clin Sci (Lond)*. 2001 Dec;101(6):629-35. PMID: 11724650
4. Fractal dimensions of Laser Doppler flowmetry time series.
Carolan-Rees G, Tweddel AC, **Naka KK**, Griffith TM.
Med Eng Phys. 2002 Jan;24(1):71-6. PMID: 11891142
5. Wavelet and receiver operating characteristic analysis of heart rate variability.
McCaffery G, Griffith TM, **Naka K**, Frennaux MP, Matthai CC.
Phys Rev E Stat Nonlin Soft Matter Phys. 2002 Feb;65(2 Pt 1):022901. PMID: 11863575
6. Arterial distensibility: acute changes following dynamic exercise in normal subjects.
Naka KK, Tweddel AC, Parthimos D, Henderson AH, Goodfellow J, Frenneaux MP.
Am J Physiol Heart Circ Physiol. 2003 Mar;284(3):H970-8. PMID: 12433655
7. Enoxaparin versus tinzaparin in non-ST-segment elevation acute coronary syndromes: the EVET trial.
Michalis LK, Katsouras CS, Papamichael N, Adamides K, **Naka KK**, Goudevenos J, Sideris DA.
Am Heart J. 2003 Aug;146(2):304-10. PMID: 12891200
Η εργασία σχολιάστηκε με editorial στο Am Heart J 2003;146:191-3.
8. Transient intravascular conduction delay associated with concurrent intake of propafenone and antineoplastic agents (case report).
Kolettis TM, **Naka KK**, Katsouras C, Michalis LK, Bourantas K.
Cardiovasc Drugs Ther. 2003 Jul;17(4):381-2. PMID: 14696640

9. Effects of delayed (24 hours post intervention) β -irradiation therapy after coronary angioplasty and stenting in de novo native coronary artery lesions: Results of a randomized clinical and intravascular ultrasound study.
Kalef-Ezra J, Michalis LK, Bozios G, Tsekeris P, Katsouras CS, **Naka KK**, Pappas C, Sideris DA. *Cardiovasc Rad Med* 2003; 4: 176-181.
10. Treatment of acute lower limb ischemia following the use of the Duet sealing device. Report of 3 cases and review of the literature.
Katsouras CS, Michalis LK, Leontaridis I, **Naka KK**, Kolettis Th, Goudevenos JA, Sideris DA. *Cardiovasc Intervent Radiol.* 2004 May-Jun;27(3):268-70. PMID: 15359470
11. Impaired Endothelial Function in Young Women with Premature Ovarian Failure: Normalization with Hormone Therapy.
Kalantaridou SN, **Naka KK**, Papanikolaou E, Kazakos N, Kravariti M, Calis KA, Paraskevaidis EA, Sideris DA, Tsatsoulis A, Chrousos GP, Michalis LK. *J Clin Endocrinol Metab.* 2004 Aug;89(8):3907-13. PMID: 15292326
Η εργασία σχολιάστηκε σε δελτίο τύπου από τις: Endocrine Society (Research Highlights, August 10, 2004) και North American Menopause Society (October 15, 2004).
12. Enoxaparin versus tinzaparin in non-ST-segment elevation acute coronary syndromes: Results of the enoxaparin versus tinzaparin (EVET) trial at 6 m.
Katsouras CS, Michalis LK, Papamichael N, Adamides K, **Naka KK**, Nikas D, Goudevenos JA, Sideris DA. *Am Heart J.* 2005 Sep;150(3):385-91. PMID: 16169312
13. Long-term clinical outcome after percutaneous transluminal coronary angioplasty with provisional stenting.
Papafaklis MI, **Naka KK**, Sioros L, Sclerou V, Katsouras CS, Michalis LK. *EuroIntervention.* 2005 May;1(1):98-104. PMID: 19758884
14. One year effectiveness of BiodivYsio dexamethazone-eluting stent compared to BiodivYsio stent implantation in the treatment of single vessel coronary artery disease.
Katsouras CS, Kotsia A, Nikas D, **Naka KK**, Papafaklis MI, Sioros L, Zotou P, Sionis D, Michalis LK. *EuroIntervention.* 2005 Nov;1(3):277-81. PMID: 19758917
15. Predictors of endothelial dysfunction in young women with polycystic ovary syndrome.
Kravariti M, **Naka KK**, Kalantaridou SN, Kazakos N, Katsouras CS, Makrigiannakis A, Paraskevaidis EA, Chrousos GP, Tsatsoulis A, Michalis LK. *J Clin Endocrinol Metab.* 2005 Sep;90(9):5088-95. PMID: 15985492
16. Radiofrequency catheter ablation for electrical storm in a patient with dilated cardiomyopathy.
Kolettis TM, **Naka KK**, Katsouras CS. *Hellenic J Cardiol.* 2005 Sep-Oct;46(5):366-9. PMID: 16295948
17. Strict adherence to guidelines in decision making for coronary angiography in patients who have survived a Q wave myocardial infarction; 2-year outcome in a Greek population.
Katsouras CS, Kazakos E, **Naka KK**, Pappas C, Kotsia A, Rees MR, Michalis LK. *Vasc Dis Prevention* 2005; 2(4): 273-280.
18. Propafenone added to ibutilide increases conversion rates of persistent atrial fibrillation.
Korantzopoulos P, Kolettis TM, Papatthanassiou A, **Naka KK**, Kolios P, Leontaridis I, Draganigos A, Katsouras CS, Goudevenos JA. *Heart.* 2006 May;92(5):631-4. PMID: 16159973
19. Flow-mediated changes in Pulse Wave Velocity: a new clinical measure of endothelial function.

Naka KK, Tweddel AC, Sagar SN, Goodfellow J, Henderson AH.

Eur Heart J. 2006 Feb;27(3):302-9. PMID: 16267075

Η εργασία σχολιάστηκε με editorial στο Eur Heart J 2006;27:255-257

20. Premature ovarian failure, endothelial dysfunction and estrogen-progestogen replacement.
Kalantaridou SN, **Naka KK**, Bechlioulis A, Makrigiannakis A, Michalis L, Chrousos GP. Trends Endocrinol Metab. 2006 Apr;17(3):101-9. PMID: 16515863
21. An automated methodology for fetal heart rate extraction from the abdominal electrocardiogram.
Karvounis EC, Tsiouras MG, Fotiadis DI, **Naka KK**. IEEE Trans Inf Technol Biomed. 2007 Nov;11(6):628-38. PMID: 18046938
22. Long-term clinical outcome of patients treated with β -brachytherapy in routine clinical practice.
Nikas DN, Kalef-Ezra J, Katsouras CS, Tsekeris P, Bozios G, Pappas C, **Naka KK**, Kotsia A, Papamichael N, Sideris DA, Michalis LK. Int J Cardiol. 2007 Feb 7;115(2):183-9. PMID: 16890309
23. The impact of renal function on the long-term clinical course of patients who underwent percutaneous coronary intervention.
Papafaklis MI, **Naka KK**, Papamichail ND, Kolios G, Sioros L, Sclerou V, Katsouras CS, Michalis LK. Catheter Cardiovasc Interv. 2007 Feb 1;69(2):189-97. PMID: 17253600
24. Distinct association of SLC19A1 polymorphism -43T>C with red cell folate levels and of MTHFR polymorphism 677C>T with plasma folate levels.
Chatzikyriakidou A, Vakalis KV, Kolaitis N, Kolios G, **Naka KK**, Michalis LK, Georgiou I. Clin Biochem. 2008 Feb;41(3):174-6. PMID: 18053808
25. Automated diagnosis of coronary artery disease based on data mining and fuzzy modeling.
Tsiouras MG, Exarchos TP, Fotiadis DI, Kotsia AP, Vakalis KV, **Naka KK**, Michalis LK. IEEE Trans Inf Technol Biomed. 2008 Jul;12(4):447-58. PMID: 18632325
26. Outcome of patients with haemodynamically stable ventricular tachycardia treated with an implantable cardioverter-defibrillator.
Kolettis TM, Krikos VD, Apostolidis D, **Naka KK**, Katsouras CS, Sourla E, Michalis LK. Hellenic J Cardiol. 2008 Jul-Aug;49(4):248-59. PMID: 18935712
27. Effect of intravenous administration of antioxidants alone and in combination on myocardial reperfusion injury in an experimental pig model.
Nikas DN, Chatziathanassiou G, Kotsia A, Papamichael N, Thomas C, Papafaklis M, **Naka KK**, Kazakos N, Milionis HJ, Vakalis K, Katsouras CS, Mpoumpa V, Vougiouklakis T, Michalis LK. Curr Ther Res Clin Exp. 2008 Oct;69(5):423-39. PMID: 24692817
28. Pioglitazone vs glimepiride: Differential effects on vascular endothelial function in patients with type 2 diabetes
Papathanassiou K, **Naka KK**, Kazakos N, Kanioglou C, Makriyiannis D, Pappas K, Katsouras CS, Liveris K, Kolettis T, Tsatsoulis A, Michalis LK. Atherosclerosis. 2009 Jul;205(1):221-6. PMID: 19135671
29. Menopause and Hormone Therapy; From Vascular Endothelial Function to Cardiovascular Disease.
Bechlioulis A, **Naka KK**, Papanikolaou O, Kontostolis E, Kalantaridou SN, Michalis LK. Hellenic J Cardiol. 2009 Jul-Aug;50(4):303-15. PMID: 19622500
30. A non-invasive methodology for fetal monitoring during pregnancy.
Karvounis EC, Tsiouras MG, Papaloukas C, Tsalikakis DG, **Naka KK**, Fotiadis DI. Methods Inf Med. 2010;49(3):238-53. PMID: 19936440

31. Endothelial function, but not carotid intima-media thickness, is affected in early menopause and is associated with severity of hot flushes
Bechlioulis A, Kalantaridou SN, **Naka KK**, Chatzikyriakidou A, Calis KA, Makriyiannakis A, Papanikolaou O, Kaponis A, Katsouras CS, Georgiou I, Chrousos GP, Michalis LK.
J Clin Endocrinol Metab. 2010 Mar;95(3):1199-206. PMID: 20080857
32. Cardiovascular Effects of Endogenous Estrogen and Hormone Therapy.
Bechlioulis A, **Naka KK**, Calis KA, Makriyiannakis A, Michalis LK, Kalantaridou SN.
Curr Vasc Pharmacol. 2010 Mar;8(2):249-58. PMID: 19485910
33. Lack of effects of pioglitazone on cardiac function in patients with type 2 diabetes and evidence of left ventricular diastolic dysfunction: a Tissue Doppler Imaging study.
Naka KK, Pappas K, Papathanassiou K, Papamichael ND, Kazakos N, Kanioglou C, Makriyiannis D, Katsouras CS, Liveris K, Tsatsoulis A, Michalis LK.
Cardiovasc Diabetol. 2010 Sep 23;9:57. PMID: 20863381
34. The effect of shear stress on neointimal response following sirolimus- and paclitaxel-eluting stent implantation compared to bare metal stents in humans.
Papafaklis MI, Bourantas CV, Theodorakis PE, Katsouras CS, **Naka KK**, Fotiadis DI, Michalis LK.
JACC Cardiovasc Interv. 2010 Nov;3(11):1181-9. PMID: 21087755
Η εργασία αυτή σχολιάστηκε με editorial στο JACC Cardiovascular Interventions 2010;3;1199-1201
35. Clinical Indications for Intravascular Ultrasound Imaging. .
Bourantas C, **Naka KK**, Garg S, Thackray S, Papadopoulos D, Alamgir FM, Hoyer A, Michalis LK
Echocardiography. 2010 Nov;27(10):1282-90. PMID: 21092059
36. Effect of the insulin sensitizers metformin and pioglitazone on endothelial function in young women with polycystic ovary syndrome. A prospective randomized study.
Naka KK, Kalantaridou SN, Kravariti M, Bechlioulis A, Kazakos N, Calis K, Makriyiannakis A, Katsouras CS, Chrousos GP, Tsatsoulis A, Michalis LK.
Fertil Steril. 2011 Jan;95(1):203-9. PMID: 20684955
37. Focus on the research utility of intravascular ultrasound - comparison with other invasive modalities.
Bourantas CV, Garg S, **Naka KK**, Thury A, Hoyer A, Michalis LK.
Cardiovasc Ultrasound. 2011 Jan 30;9(1):2. PMID: 21276268
38. Rosiglitazone improves endothelial function in patients with type 2 diabetes treated with insulin.
Naka KK, Papathanassiou K, Bechlioulis A, Pappas K, Kazakos N, Kanioglou C, Papafaklis MI, Kostoula A, Vezyraki P, Makriyiannis D, Tsatsoulis A, Michalis LK.
Diab Vasc Dis Res. 2011 Jul;8(3):195-201. PMID: 21576196
39. Effect of ethinylestradiol/cyproterone acetate on endothelial function in young non-obese women with polycystic ovary syndrome: a pilot study.
Naka KK, Kalantaridou SN, Bechlioulis A, Kravariti M, Kazakos N, Katsouras CS, Tsatsoulis A, Michalis LK.
Gynecol Endocrinol. 2011 Sep;27(9):615-21. PMID: 21329419
40. Multi-scale patient-specific artery and atherogenesis models.
Siogkas P, Sakellarios A, Exarchos TP, Athanasiou L, Karvounis E, Stefanou K, Fotiou E, Fotiadis DI, **Naka KK**, Michalis LK, Filipovic N, Parodi O.
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41. Changes In Vascular Function And Structure In Juvenile Idiopathic Arthritis.
Vlahos A, Theochari P, Bechlioulis A, **Naka KK**, Vakalis K, Papamichael ND, Alfantaki S, Gartzonika K, Mavridis A, Michalis LK, Siamopoulou A.
Arthritis Care Res (Hoboken). 2011 Dec;63(12):1736-44. PMID: 21905249

42. Effects of pioglitazone and metformin on vascular endothelial function in patients with type 2 diabetes treated with sulfonylureas.
Naka KK, Papathanassiou K, Bechlioulis A, Pappas K, Kazakos N, Kanioglou C, Papafaklis MI, Kostoula A, Vezyraki P, Makriyiannis D, Tsatsoulis A, Michalis LK.
 Diab Vasc Dis Res. 2012 Jan;9(1):52-8. PMID: 22049096
43. Fusion of optical coherence tomography and coronary angiography - in vivo assessment of shear stress in plaque rupture.
 Bourantas CV, Papafaklis MI, **Naka KK**, Tsakanikas VD, Lysitsas DN, Alamgir FM, Fotiadis DI, Michalis LK.
 Int J Cardiol. 2012 Mar 8;155(2):e24-6. PMID: 21807428
44. Drug-eluting stent restenosis: Effect of drug type, release kinetics, hemodynamics and coating strategy.
 Papafaklis MI, Chatzizisis YS, **Naka KK**, Giannoglou GD, Michalis LK.
 Pharmacol Ther. 2012 Apr;134(1):43-53. PMID: 22212618
45. Short-term hormone therapy improves sCD40L and endothelial function in early menopausal women: potential role of estrogen receptor polymorphisms.
 Bechlioulis A, **Naka KK**, Kalantaridou SN, Chatzikyriakidou A, Papanikolaou O, Kaponis A, Vakalis K, Vezyraki P, Gartzonika K, Mavridis A, Georgiou I, Michalis LK.
 Maturitas. 2012 Apr;71(4):389-95. PMID: 22277987
46. Increased vascular inflammation in early menopausal women is associated with hot flush severity.
 Bechlioulis A, **Naka KK**, Kalantaridou SN, Chatzikyriakidou A, Papanikolaou O, Kaponis A, Vakalis K, Vezyraki P, Gartzonika K, Mavridis A, Georgiou I, Michalis LK.
 J Clin Endocrinol Metab. 2012 May;97(5):E760-4. PMID: 22399517
- Η εργασία αυτή σχολιάστηκε με editorial comment στο Obstetrical and Gynecological Survey 2012;67(11):E760-764**
47. A novel semi-automated atherosclerotic plaque characterization method using grayscale intravascular ultrasound images. Comparison with Virtual Histology.
 Athanassiou LS, Karvelis PS, Tsakanikas VD, **Naka KK**, Michalis LK, Bourantas CV, Fotiadis DI.
 IEEE Trans Inf Technol Biomed. 2012 May;16(3):391-400. PMID: 22203721
48. Combined Intravenous Treatment with Ascorbic Acid and Desferrioxamine to Reduce Myocardial Reperfusion Injury in an Experimental Model Resembling the Clinical Setting of Primary PCI.
 Chatziathanasiou GN, Nikas DN, Katsouras CS, Kazakos ND, Bouba V, Vougiouklakis T, **Naka KK**, Michalis LK.
 Hellenic J Cardiol. 2012 May-Jun;53(3):195-204. PMID: 22653244
49. Novel methodology for 3D reconstruction of carotid arteries and plaque characterization based upon magnetic resonance imaging carotid angiography data.
 Sakellarios AI, Stefanou K, Siogkas P, Tsakanikas VD, Bourantas CV, Athanasiou L, Exarchos TP, Fotiou E, **Naka KK**, Papafaklis MI, Patterson AJ, Young VE, Gillard JH, Michalis LK, Fotiadis DI.
 Magn Reson Imaging. 2012 Oct;30(8):1068-82. PMID: 22617149
50. Determinants of vascular function in patients with type 2 diabetes.
Naka KK, Papathanassiou K, Bechlioulis A, Kazakos N, Pappas K, Tigas S, Makriyiannis D, Tsatsoulis A, Michalis LK.
 Cardiovasc Diabetol. 2012 Oct 12;11:127. PMID: 23062182
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CHAPTERS IN INTERNATIONAL BOOKS

1. Tsipouras MG, Exarchos TP, Fotiadis DI, Bechlioulis A, **Naka KK**. *Decision Support Systems for Cardiovascular Diseases Based on Data Mining and Fuzzy Modelling* in: Wickramasinghe N and Geisler E (editors) *Encyclopedia of Healthcare Information Systems*, Volume I, Chapter D. IGI Global, USA, 2008
2. Bourantas CV, **Naka KK**, Fotiadis DI, Michalis LK. *New Developments in Intracoronary Ultrasound processing* in: Exarchos TP, Papadopoulos A and Fotiadis DI (editors) *Handbook of Research on Advanced Techniques in Diagnostic Imaging and Biomedical Applications*, Chapter IV. IGI Global, USA, 2009.
3. Tsipouras MG, Exarchos TP, Fotiadis DI, Bechlioulis A, **Naka KK**. *Decision Support Systems for Cardiovascular Diseases Based on Data Mining and Fuzzy Modelling* in: Hunter GM (editor) *Strategic Information Systems: Concepts, Methodologies, Tools and Applications*, Volume I, Chapter 4.21. Information Science Reference (an imprint of IGI Global), USA, 2010.
4. Papafaklis MI, **Naka KK**, Michalis LK. *Shear Stress and Stent Restenosis* in: Tintoiu I, Rivard A, Bae J-H, Rivard A, Galassi AR, Cristia G (editors) *Coronary Stent Restenosis*, chapter 7. The Publishing House of the Romanian Academy, Bucharest, Romania, 2011.
5. **Naka KK**, Papamichael ND. *Intravascular Image Interpretation* in: Tsakanikas V, Michalis LK, Fotiadis DI, **Naka KK**, Bourantas CV (editors) *Intravascular Imaging: Current Applications and Research Developments*, chapter 2. IGI Global, USA, 2012.
6. Bourantas CV, **Naka KK**, Garg S, Alamgir FM, Hoyer A, Michalis LK. *Implications of Intracoronary Ultrasound Imaging for Clinical Practice* in: Tsakanikas V, Michalis LK, Fotiadis DI, Naka KK, Bourantas CV (editors) *Intravascular Imaging: Current Applications and Research Developments*, chapter 5. IGI Global, USA, 2012.
7. **Naka KK**, Bechlioulis M, Michalis LK. *Primary and Secondary Prevention* in: Arampatzis C, McFadden, Michalis LK, Virmani R and Serruys P (editors) *Coronary Atherosclerosis: Current Management and Treatment*, chapter 22. Informa Healthcare, London, UK, 2012.
8. Rammos AS, Bourantas CV, Sakellarios AI, Athanasiou LS, **Naka KK**, Fotiadis DI, Michalis LK. *3D reconstruction of coronary anatomy using invasive imaging modalities: methods, applications and challenges* in: Ashworth J and Brasher K (editors) *3D Reconstruction - Methods, Applications and Challenges*, chapter 2. Nova Publishers, New York, USA, 2014.
9. Vlachopoulos Ch, **Naka KK**. *Polyvascular Disease: Principles of Diagnosis and Management* in: Lanzer P (editor) *PanVascularMedicine - Second Edition*, chapter 214-1. Springer-Verlag, Berlin Heidelberg 2015.

EDITOR OF BOOKS

1. Tsakanikas V, Michalis LK, Fotiadis DI, **Naka KK**, Bourantas CV (editors) *Intravascular Imaging: Current Applications and Research Developments*. IGI Global, USA, 2012. ISBN 978-1-61350-095-8 (hardcover), ISBN 978-1-61350-096-5 (ebook), ISBN 978-1-61350-097-2 (print & perpetual access)

LECTURES IN INTERNATIONAL CONFERENCES

1. **Using Pulse Wave Velocity** in the Round Table: 'Non-invasive diagnosis of circulatory health – Alternative techniques and clinical utility'.

- International Symposium 'Arterial Function and Wave Intensity. Concepts, Controversies and Clinical Applications'.*
London, UK, 2-3 April 2004
2. **Pulse Wave Velocity** in the Round Table: 'Assessment of Large Artery Function'. Teaching course in collaboration with the working group on peripheral circulation: 'Vascular Function and Disease. Methods and Clinical indications'.
EuroECHO 2004 - 8th Annual Meeting of the European Society of Cardiology (ESC) Association of Echocardiography (EAE).
Athens, Greece, 1-4 December 2004
 3. **Prognostic value of peripheral vessel function evaluation** in the Round Table: 'Clinical Decisions based on echocardiography'.
9th International Symposium on Echocardiology (Onassis Cardiac Center meeting).
Athens, Greece, 14-15 September 2007
 4. Invited Discussant in the Round Table: '**Prosthetic valves**'.
10th International Symposium on Echocardiology (Onassis Cardiac Surgery Center - Cardiology Department meeting).
Athens, Greece, 9-11 October 2008
 5. **Role of carotid intima-media thickness imaging in measuring efficacy of treatment. Individual risk assessment** in the Round Table: 'Risk stratification in asymptomatic patients with intermediate risk for coronary artery disease'.
11th International Symposium on Echocardiology (Onassis Cardiac Surgery Center - Cardiology Department meeting).
Athens, Greece, 1-3 October 2009
 6. **CMR of Peripheral Vessels in Diabetes** in the Round Table: 'CMR evaluation of LV function, metabolism and peripheral Vessels in Diabetes'.
5th International Meeting of the Onassis Cardiac Surgery Center - Current trends in Cardiac Surgery and Cardiology. 10th Cardiovascular MRI workshop.
Athens, Greece, 16-18 September 2010
 7. **How severe is the severe aortic stenosis in the elderly** in the Round Table: 'The aortic valve'.
12nd International Symposium on Echocardiology (Onassis Cardiac Surgery Center - Cardiology Department meeting).
Athens, Greece, 24-25 September 2010
 8. **Insulin Sensitizers: cardiovascular effects** in the Workshop: 'Insulin Resistance and Cardiovascular Disease'.
45th Annual Scientific Meeting of the European Society of Clinical Investigation (ESCI).
Heraklion, Crete, Greece, 13-16 April 2011
 9. **Asymptomatic severe aortic stenosis** in the Round Table: 'Refinement of Timing for Intervention'.
13th International Symposium on Echocardiology (Onassis Cardiac Surgery Center - Cardiology Department meeting).
Athens, Greece, 30 September – 1 October 2011
 10. Chairperson in the Round Table: 'Reducing CV risk in patients with T2DM - Strategies beyond glycaemic control'.
ESC Working Group on Peripheral Circulation – Symposium 'Cardiometabolic Risk and Vascular Diseases - from Mechanisms to Treatment'.
Rome, Italy, 3-5 November 2011
 11. **Endothelial Function** in the Round Table: 'Vascular Biomarkers: ready for implementation in clinical practice'.
EuroPrevent 2013 – Annual Meeting of the ESC Association for Cardiovascular Prevention and Rehabilitation (EACPR).
Rome, Italy, 18-20 April 2013
 12. **Endothelial Function** in the Workshop: 'The role of vascular biomarkers for primary and secondary prevention'.
Workshop of the ESC Working Group on Peripheral Circulation.
Athens, Greece, 8 July 2013
 13. **What on earth is an acute aortic syndrome?** in the Clinical Seminar: 'Acute aortic syndromes: what a cardiologist needs to know'.

- ESC Congress 2013 – Annual Meeting of the ESC.*
Amsterdam, The Netherlands, 31 August – 4 September 2013
14. Chairperson in the Round Table: ‘Lipids and Diabetes: Killing Fields’.
ESC Working Group on Peripheral Circulation – 2nd Symposium ‘Cardiometabolic Risk and Vascular Diseases - from Mechanisms to Treatment’.
Rome, Italy, 7-9 November 2013
 15. **Imaging for the follow-up after carotid revascularization: how and how often** in the Symposium: ‘Imaging of carotid disease’.
EuroEcho Imaging 2013 – Annual Meeting of the ESC Association for Cardiovascular Imaging (EACVI).
Istanbul-Turkey, 11-14 December 2013
 16. **Assessment tools** in the Symposium: ‘How to manage pulmonary oedema’.
Heart Failure 2014 – Annual Meeting of the Heart Failure Association (HFA) of the ESC and World Congress on Acute Heart Failure.
Athens, Greece, 17-20 May 2014
 17. **Peripheral Arterial Disease: ABI, physical examination vs duplex ultrasonography** in the Round Table: ‘Evaluating non-cardiac target organ damage in the resistant hypertensive patient’.
Official pre-ESH/ISH Congress Satellite Symposium: Update on Resistant Hypertension and Related Comorbidities.
Athens, Greece, 11-12 June 2014
 18. **Which patients should be treated conservatively? Management in the acute and chronic phase** in the Clinical Seminar: ‘Acute aortic syndromes: what the cardiologist needs to know’.
ESC Congress 2014 – Annual Meeting of the ESC.
Barcelona, Spain, 30 August – 3 September 2014
 19. **Aortic Aneurysm. Monitoring and therapy** in the Round Table: ‘Common issues in an uncontrolled hypertensive patient’.
2nd Official pre-ESH/ISH Congress Satellite Symposium: Update on Resistant Hypertension and Related Comorbidities.
Athens, Greece, 28-28 March 2015
 20. **Should we screen for PAD? - PRO** in the Session: ‘Debates in Peripheral Arterial Disease’.
ESC Congress 2015 – Annual Meeting of the ESC.
London, UK, 29 August – 2 September 2015
 21. **Should we screen for PAD? – REBUTTAL PRO** in the Session: ‘Debates in Peripheral Arterial Disease’.
ESC Congress 2015 – Annual Meeting of the ESC.
London, UK, 29 August – 2 September 2015
The main points of the debate were invited and presented in the ESC Congress Newspaper.
 22. Mini quiz panel member in the Session ‘**Mini Quiz on 2015 ESC guidelines**’.
ESC Congress 2016– Annual Meeting of the ESC.
Rome, Italy, 27 – 31 August 2016
 23. **A case of medical management – Clinical case** in the Interactive Session: ‘Modern management of intermittent claudication’.
ESC Congress 2016– Annual Meeting of the ESC.
Rome, Italy, 27 – 31 August 2016
 24. **Guideline implementation: challenges and opportunities** in the Session: ‘Guidelines in Daily Practice - Heart failure’.
ESC Congress 2018 – Annual Meeting of the ESC.
Munich, Germany, 25 – 29 August 2018
 25. **Valvular heart disease** in the Session: ‘Take the Challenge! The European Exam on General Cardiology (EEGC)’.
ESC Congress 2018 – Annual Meeting of the ESC.
Munich, Germany, 25 – 29 August 2018
 26. **Why and how every cardiologist should address carotid disease in the Session:**
ESC Congress 2018 – Annual Meeting of the ESC.
Munich, Germany, 25 – 29 August 2018

27. **Managing heart failure patients with COPD** in the Session: 'Managing Heart Failure in COPD'.
HFA Congress 2019 – Annual meeting of the HFA of the ESC.
Athens, Greece, 24 – 26 May 2019
28. **Valvular heart disease** in the Session: 'The European Exam on General Cardiology: what it is and how to prepare for it'.
ESC Congress 2019– Annual Meeting of the ESC.
Paris, France, 31 August – 4 September 2019

ADMINISTRATIVE WORK

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|-----------------|---|
| Oct 2014 | Member of the Committee for the Programme of Pre-graduate Studies in the Faculty of Medicine |
| Oct 2015 | Member of the Committee for the Erasmus Programme in the Faculty of Medicine |
| Feb 2016 | Supervisor of the Committee for the Student Internship Program of the Faculty of Medicine, co-funded by the European Union (European Social Fund) "Development of Human Resources, Education and Lifelong Learning", NSRF 2014-2020 |
| Feb 2017 | Member of the Committee for Internal Evaluation of the Faculty of Medicine |



Date: 5 NOVEMBER 2019