



UNIVERSITY OF THESSALY
SCHOOL OF HEALTH SCIENCES
FACULTY OF MEDICINE



CURRICULUM VITAE

PANAGIOTIS A. GEORGOULIAS

Professor of Nuclear Medicine

Department of Nuclear Medicine

School of Health Sciences

Faculty of Medicine

University of Thessaly

2021

PERSONAL DETAILS

Surname:	Georgoulas
Name:	Panagiotis
Father's Name:	Anastasios
Date of Birth:	August 11th, 1967
Place of Birth:	Athens, Greece
Home Address:	60 Anastasopoulou Str, Larissa, Greece
Business Address:	Department of Nuclear Medicine, University of Thessaly, Faculty of Medicine, Viopolis, 41110 Larissa, Greece
Telephone:	+302413502918
E-mail:	pgeorgoul@med.uth.gr georgoulas@hotmail.com

CURRENT POSITION

1. Professor of Nuclear Medicine, Nuclear Medicine Laboratory, Faculty of Medicine, School of Health Sciences, University of Thessaly.
2. Director of the Department of Nuclear Medicine, University of Thessaly, University Hospital of Larissa.
3. Honorary Scientific Colleague, Department of Nuclear Medicine, Army Share Fund Hospital (417 NIMTS).

EDUCATION

PhD Thesis

Title: 'Assessment of myocardial perfusion and function in patients with coronary artery disease subjected to angioplasty, using myocardial SPECT (with 201TI both at stress and rest) and radioisotopic ventriculography (MUGA-at rest and after isometric exercise)''.

Supervisor: Karkavitsas Nikolaos.

PhD in Nuclear Medicine, Distinction: "Excellent", Faculty of Medicine, University of Crete, 1998.

Postgraduate Studies

1. Fellowship in the PET/CT Department, University Hospital of Berlin (Charité Campus Virchow-Klinikum), Germany, (without payment, for a total time period of approximately 10 months, during my summer leave, 2004-2016).
2. Nuclear Medicine Residency, Department of Nuclear Medicine, Army Share Fund Hospital (417 NIMTS) (1993-1996).
3. Internal Medicine Residency, Department of Internal Medicine, General Hospital of Crestena (1993-1996).

Undergraduate Studies

MD Degree, Distinction "Very Good" (Graduation Degree: 8.1/10), Faculty of Medicine, National & Kapodistrian University of Athens, September, 1991.

FOREIGN LANGUAGES & COMPUTER SKILLS

Foreign Languages: English (fluently)

Computer Skills: Microsoft Office (Word, Excel, PowerPoint, Outlook)

MILITARY OBLIGATION

I have lawfully fulfilled my military obligations as a resident doctor of Nuclear Medicine.

CLINICAL & PROFESSIONAL EXPERIENCE

1. Professor of Nuclear Medicine, Faculty of Medicine, University of Thessaly (2018-present).
2. Director of the Department of Nuclear Medicine, University Hospital of Larissa (2004-present).
3. Associated Professor of Nuclear Medicine, Faculty of Medicine, University of Thessaly (2014-2018).
4. Assistant Professor of Nuclear Medicine, Faculty of Medicine, University of Thessaly (2009-2014).
5. Fellowship in the PET/CT Department, University Hospital of Berlin (Charité Campus Virchow-Klinikum), Germany, (without payment, for a total time period of approximately 10 months, during my summer leave, 2004-2016).
6. Lecturer, Department of Nuclear Medicine, Faculty of Medicine, University of Thessaly (2004-2009).
7. Lecturer (part time), Department of Nuclear Medicine, Faculty of Medicine, University of Thessaly (2003-2004).
8. Honorary Scientific Colleague, Department of Nuclear Medicine, Army Share Fund Hospital (417 NIMITS) (1998-present).
9. Director of the Department of Nuclear Medicine, Diagnostic Center of "Christos Christou" (1998-2004).
10. Resident in Nuclear Medicine (during military service), Department of Nuclear Medicine, Army Share Fund Hospital (417 NIMITS) (1997-1998).
11. Honorary Scientific Colleague, Department of Nuclear Medicine, Army Share Fund Hospital (417 NIMITS) (1996).

12. Resident in Nuclear Medicine, Department of Nuclear Medicine, Army Share Fund Hospital (417 NIMITS) (1993-1996).

13. Resident in Internal Medicine, Department of Internal Medicine, General Hospital of Crestena (1991-1992).

ORGANIZATIONAL & ADMINISTRATIVE ACTIVITIES

University of Thessaly – University Hospital of Larissa

1. Director of the Department of Nuclear Medicine, University of Thessaly, University Hospital of Larissa (2009-present).
2. Physician in charge, Department of Nuclear Medicine, University of Thessaly, University Hospital of Larissa (2004-2009).
3. Member of committees for the technical standards, evaluation and installation of imaging systems (PET/CT, γ -camera, CT), and the assessment of consumables related to the field of nuclear medicine, University Hospital of Larissa (2004-present).
4. Establishment of Radioisotopic Therapy Unit at the Nuclear Medicine Laboratory, University of Thessaly.

European Association of Nuclear Medicine (EANM)

1. Member of the “Cardiovascular Committee”, EANM (2017-present).
2. Guidelines Representative, Cardiovascular Committee, EANM (2017-present).

Hellenic Society of Nuclear Medicine & Molecular Imaging (HSNMMI)

1. Vice President of the HSNMMI (2016 - present).
2. Elected member of the Board of Directors of the HSNMMI (2004-2008, 2010-present).
3. Treasurer of the HSNMMI (2004-2008).
4. Elected member of the Educational Committee of the HSNMMI (2013-2016).
5. Elected as the National Delegate of the HSNMMI in the EANM (2002-2004).
6. EANM National Liaison (Cardiovascular Working Group) of the HSNMMI in the European Council of Nuclear Cardiology (2007-2011).

Special Appointments

1. Member of the General Assembly of the Faculty of Medicine, University of Thessaly.
2. Member of the Athens, Patras and Thessaloniki Examination Committee of Nuclear Medicine Specialty (2015 - present).
3. Member of the committee for the evaluation of candidates for a position of Assistant Professor of Nuclear Medicine, Democritus University of Thrace (2020).
4. Member of the Examination Review Committee in the Faculty of Medicine, University of Thessaly (2005 - present).
5. National Lead for the Second ECNC Survey of Myocardial Perfusion Scintigram in Europe (2007-2008).
6. National Lead for the First ECNC Survey of Myocardial Perfusion Scintigram in Europe (2006-2007).

Member of Organizing and/or Scientific Committees in Congresses: 37

MEMBER OF SCIENTIFIC SOCIETIES

1. European Association of Nuclear Medicine (EANM).
2. EANM Cardiovascular Committee.
3. Hellenic Society of Nuclear Medicine & Molecular Imaging.
4. Nuclear Cardiology Working Group.
5. Hellenic Society of Nuclear Medicine.

EDITORIAL BOARD MEMBER

1. Nuclear Medicine Communications.
2. Hellenic Journal of Nuclear Medicine.
3. Nuclear Medicine and Radiology Journal.
4. Scientific Journal of Nuclear Medicine & Radiation Therapy.
5. HSOA Journal of Nuclear Medicine, Radiology and Radiation Therapy.
6. Journal of Clinical Images and Case Reports.
7. Journal of Interventional Radiology and Nuclear Medicine.
8. ARC Journal of Cardiology.
9. Advanced Journal of Vascular Medicine.
10. Journal of Biomedical Graphics and Computing.
11. World Journal of Diabetes.
12. World Journal of Radiology.
13. Biomedical and Pharmacology Journal.
14. Jacobs Journal of Molecular and Translational Medicine.
15. Journal of Cardiology and Cardiovascular Medicine.
16. World Journal of Cardiovascular Surgery.
17. Journal of Nuclear Medicine & Imaging

REVIEWER IN INTERNATIONAL BOOK CHAPTERS – CONGRESSES – SCIENTIFIC JOURNALS

1. Reviewer of 33 papers submitted to the 34th Annual EANM Congress (Virtual Event).
2. Reviewer of 27 submitted to the 33rd Annual EANM Congress (Virtual Event).
3. Reviewer of 42 papers submitted to the 32rd Annual EANM Congress (Barcelona, Spain).
4. Reviewer of sections "Cardiovascular System" and "Respiratory System" of Chapter III "Diagnostic Nuclear Medicine", Master EANM UEMS NM Guide Diagnostic.
5. Reviewer of 33 papers submitted to the 31st Annual EANM Congress (Düsseldorf, Germany).

Scientific Journals

1. Nuclear Medicine Communications.
2. Hellenic Journal of Nuclear Medicine.
3. Heart and Vessels.
4. Radiation Oncology.
5. Cardiovascular Diabetology.
6. International Journal of Cardiology
7. American Journal of Gastroenterology.
8. Molecular and Cellular Endocrinology.

9. Biology of Reproduction.
10. Current Alzheimer Research.
11. Respiration.
12. Computer Methods and Programs in Biomedicine.
13. The Quarterly Journal of Nuclear Medicine and Molecular Imaging.
14. International Research Journal of Public and Environmental Health.
15. Primary Care Diabetes.
16. BMC Medical Imaging.
17. Southern Medical Journal.
18. Journal of Neurology and Epidemiology.
19. World Journal of Cardiology.
20. World Journal of Cardiovascular Surgery.
21. World Journal of Diabetes.
22. Basic Research Journal of Medicine and Clinical Sciences.
23. SM Musculoskeletal Disorders.
24. Arabian Journal of Chemistry.
25. Egyptian Journal of Medical Human Genetics.
26. Journal of Biomedical Graphics and Computing.
27. Recent Patents on Medical Imaging.
28. Journal of Nuclear Medicine, Radiology & Radiation Therapy

TEACHING EXPERIENCE

Undergraduate Nuclear Medicine Teaching Experience

- Elective course “Elements of Nuclear Medicine” (2005 – present).
- Within the scope of the core courses “Diagnostic Imaging I & II” (Professor: I. Fezoulidis) (2003 – present).
- Within the scope of the elective course “Radiation Protection” (Professor: I. Tsougos) (2009 – present).
- Within the scope of the obligatory course “Medical Responsibility and Ethics” (2012-2013).
- Hospital training of students at the Department of Radiology, University of West Attica (2019-2021).

Postgraduate Nuclear Medicine Teaching Experience

- European School of Multimodality Imaging & Therapy (ESMIT) Speaker (“ESMIT Faculty Training”, October 2018).
- Course “Nuclear Cardiology”, International Master Program of Medical Physics entitled “Interdepartmental Post-Graduate Program of Studies in Medical Physics”, under the collaboration of the Faculty of Medicine and the Department of Physics of the University of Patras (2006 - present).
- Programme of Continuous Medical Education organized by the Department of Nuclear Medicine, Faculty of Medicine, University of Thessaly (2010 - present).
- Programme of the Continuous Medical Education organized by the Hellenic Society of Nuclear Medicine & Molecular Imaging (1998 – present).
- Course “Nuclear Medicine”, 14^o Annual Congress of the Hellenic College of Cardiology, Ioannina, Greece, June 28-30, 2018.

- Educational programmes organized by the Department of Diagnostic Radiology & Medical Imaging, the Department of Cardiology, the Department of Orthopaedic Surgery and Trauma, and the Department of Internal Medicine, University of Thessaly (- present).
- Educational Programme of Nursing Specialties (2011 - present).

PhD Theses Supervisor: 6

Supervisor of Post-Doctoral Theses: 1

Co-Supervisor of PhD Theses: 8

Member of PhD Theses Examination Committee: 15

Chairman in Keynote Speeches: 60

Invited Speaker in Congresses and Educational Programmes: 64

RESEARCH ACTIVITIES

Main research interests:

- Nuclear Cardiology.
- Nuclear Medicine Applications in the Central Nervous System.
- Positron Emission Tomography Applications.
- Clinical Applications of Radioimmunoassays.
- Software Development and Technological Applications in the field of Nuclear Medicine.

Certificate "ICH Good Clinical Practice E6 (R2)", Global Health Training Center, April 01, 2020.

Certificate "Good Clinical Practice Training for Investigational Sites" (Minimum criteria for ICH E6 GCP Investigator Site Personnel Training), Boehringer Ingelheim – TransCelerate BioPharma Inc., October 02, 2018.

Funded Research Projects

1. "Evaluation of Radiopharmaceuticals, Radioimmunoassay kits and Medical Imaging Systems" (2020-present, code 5298, Budget: 15.000 euros).
2. Project No. 5451 – ELIDEK.
3. "ICI Through" (2014 - present, code 645710, Budget: 828.000 euros).
4. "Evaluation of novel diagnostic and prognostic parameters in myocardial perfusion imaging – Implementation of newer techniques" (2011-2016, code 4153, Budget: 40.000 euros).
5. "Evaluation and quality control of radiopharmaceuticals and radioimmunoassay kits, Research projects" (2013 - present, code 4634, Budget: 15.000 euros).
6. "Exercise, smoking & alcohol: Investigation of mechanisms & interventions for prevention, cessation & awareness – ESCAPEE" (2011-2016, Budget: 525.000 euros).
7. "Optimization of clinical protocols for personalized cancer diagnosis and treatment using advanced anthropomorphic phantoms, «Archimidis II» Programme" (2012-2015, Budget: 81.000 euros).
8. "Study of gene mutations of Toll-like Receptor-4 and fetuin-A in the pathogenesis, diagnosis and therapy of colon cancer and inflammatory bowel disease" (2011-2015, Budget: 20.000 euros).

9. "Acoustic microscopy (50-100MHz), probe microscopy, optical microscopy, diffuse reflectance spectroscopy and imaging (0.4-10µm) in the early diagnosis of melanoma" (2012-2015, Budget: 150.000 euros).
10. "Development of a 3D treatment planning system for external and internal dosimetry in Nuclear Medicine and Radiotherapy patients, Project Pythagoras II" (2005-2008, code 52211.06, Budget: 80.000 euros).
11. Participation in the multicentre and multinational study entitled: "Multicenter study of patient survival after radioanosotheapy with a monoclonic antibody. Multinational study in patients with ovarian cancer using the Y-90 radiolabelled HMFG1 antibody" (Smart Study, 1999-2004, Budget: 102.400 euros).
12. Participation in the clinical study entitled: "Imaging of lung cancer using Tc-99m radiolabelled porphyrin" (1998-1999, Budget: 40.000 euros).

BOOKS & BOOK CHAPTERS

1. "Frontiers in Heart Failure" (Editor: P. Georgoulis)
 - Volume I: "Clinical Issues".
 - Volume II: "Molecular Imaging and Related Topics".
 ISSN: 2468-8045 (Print), ISSN: 2468-8053 (Online), Bentham Science Publisher (2016).
[\[https://ebooks.benthamscience.com/book-series/24688053/\]](https://ebooks.benthamscience.com/book-series/24688053/)

2. "Nuclear Medicine & Coronary Artery Disease" (P. Georgoulis, N. Karkavitsas).
 Parisianos Medical Publications, 2004.

Book Chapters

1. "Myocardial Perfusion (SPECT) Imaging: Radiotracers and Techniques"
 P. Georgoulis, G. Angelidis, A. Zisimopoulos, I. Tsougos.
 "Frontiers in Heart Failure" (Vol. II – "Molecular Imaging and Related Topics").
 ISSN: 2468-8045 (Print), ISSN: 2468-8053 (Online), Bentham Science Publisher (2016).
2. "Artifacts and Pitfalls in Cardiac Molecular Imaging"
 I. Tsougos, P. Georgoulis.
 "Frontiers in Heart Failure" (Vol. II – "Molecular Imaging and Related Topics").
 ISSN: 2468-8045 (Print), ISSN: 2468-8053 (Online), Bentham Science Publisher (2016).
3. Diagnostic algorithms regarding the radioisotopic diagnostic examinations in the field of Nuclear Cardiology.
 Hellenic Society of Nuclear Medicine & Molecular Imaging, 2012.
4. "Clinical significance of tetrofosmin extracardiac uptake during myocardial perfusion imaging"
 P. Georgoulis, V. Valotassiou, I. Tsougos, G. Angelidis, N. Demakopoulos
 "Coronary Angiography" / Book 2".
 ISBN 979-953-307-235-6, Intech Open Access Publisher (2011).
5. "The clinical use of SPECT and PET molecular imaging in Alzheimer's disease"
 V. Valotassiou, N. Sifakis, J. Papatriantafyllou, G. Angelidis, P. Georgoulis.
 "The Clinical Spectrum of Alzheimer's Disease - The Change Towards Comprehensive Diagnostic and Therapeutic Strategies".
 ISBN 978-953-307-993-6, Intech Open Access Publisher (2011).

6. "Applications of SPECT and PET/CT Imaging in the Brain in ICU Patients"
V. Valotassiou V, P. Georgoulas (pg. 861 - 871) in the book of Baltopoulou G., Gavala A., Tsigou E., Paschalidis Medical Editions, Athens, 2009.
7. "Internal Radionuclide Dosimetry Using Quantitative 3-D Nuclear Medical Imaging"
I. Tsougos, G. Loudos, P. Georgoulas, K. Nikita, K. Theodorou (pg. 213-228), "Handbook of Research on Advanced Techniques in Diagnostic Imaging and Biomedical Applications", IDEA Group Inc. Global, 2009.
8. "Applications of Positron Emission Tomography (PET) in Radiotherapy"
P. Georgoulas, V. Valotassiou (pg. 229 - 246), in the book entitled "Radiation Oncology", by Assist. Professor G. Plataniotis, Athens, 2009.
9. Contributing in the book "Pregnancy and Medical Radiation"
C. Kappas, K. Theodorou, P. Mavroeidis, G. Komisopoulos G.
Annals of the ICRP publication 84, Paschalidis Medical Publications, Athens, 2006.
10. "The contribution of Nuclear Medicine in Spinal Column Disorders"
P. Georgoulas, Ch. Giannakopoulos (pg. 41-58) in the book of Professor Georgios Sapkas entitled: "Current Subjects of Spinal Column Disorders", Kafkas Editions, Athens, 2005.
11. "Radioisotopic Applications in Urology"
P. Georgoulas, V. Valotassiou
Book "Urology" (in-press) by Professor M. Melekos.
12. Contributing in the book entitled: "Nuclear Medicine courses" (Professor Lida Gogou), Stamoulis Publications, Athens, Greece, 1999.

PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. "Effect of adiponectin on estradiol and progesterone secretion from human luteinized granulosa cells in vitro". Messini CI, Vasilaki A, Korona E, et al. Syst Biol Reprod Med. 2021;1-9.
2. "Impact of COVID-19 on Cardiovascular Testing in the United States Versus the Rest of the World: The INCAPS-COVID Study". Hirschfeld CB, Shaw LJ, Williams MC, et al. JACC Cardiovasc Imaging. 2021;S1936-878X(21)00265-5.
3. "Position paper of the EACVI and EANM on artificial intelligence applications in multimodality cardiovascular imaging using SPECT/CT, PET/CT, and cardiac CT". Slart RHJA, Williams MC, Juarez-Orozco LE, et al. Eur J Nucl Med Mol Imaging. 2021;48(5):1399-1413.
4. "Eating Disorders in Frontotemporal Dementia and Alzheimer's Disease: Evaluation of Brain Perfusion Correlates Using 99mTc-HMPAO SPECT with Brodmann Areas Analysis". Valotassiou V, Sifakis N, Tzavara C, et al. J Alzheimers Dis. 2021;80(4):1657-1667.
5. "International Impact of COVID-19 on the Diagnosis of Heart Disease". Einstein AJ, Shaw LJ, Hirschfeld C, et al. J Am Coll Cardiol. 2021;77(2):173-185.
6. "Fahr's syndrome due to hypoparathyroidism revisited: A case of parkinsonism and a review of all published cases". Kalampokini S, Georgouli D, Dadouli K, Ntellas P, Ralli S, Valotassiou V, Georgoulas P, Hadjigeorgiou GM, Dardiotis E, Xiromerisiou G. Clin Neurol Neurosurg. 2021;202:106514.

7. "COVID-19 crisis: will online learning have negative consequences to our students?". Georgoulas P, Angelidis G, Valotassiou V, Tsougos I. *J Card Surg.* 2021;36(2):782.
8. "COVID-19 and nuclear cardiology: Introducing the "forward" virtual visit". Angelidis G, Valotassiou V, Psimadas D, Georgoulas P, *J Card Surg.* 2021;36(2):782.
9. "Procedural recommendations of cardiac PET/CT imaging: standardization in inflammatory-, infective-, infiltrative-, and innervation- (4Is) related cardiovascular diseases: a joint collaboration of the EACVI and the EANM: summary", Slart RHJA, Glaudemans AWJM, Gheysens O, Lubberink M, Kero T, Dweck MR, Habib G, Gaemperli O, Saraste A, Gimelli A, Georgoulas P, Verberne HJ, Bucerius J, Rischpler C, Hyafil F, Erba PA, *European Heart Journal - Cardiovascular Imaging* 2020;21(12):1320–1330.
10. "HPA axis responses to acute exercise differ in smokers and non-smokers", Georgakouli K, Manthou E, Georgoulas P, Ziaka A, Deli CK, Draganidis D, Batrakoulis A, Papanikolaou K, Tsimeas P, Mastorakos G, Fatouros IG, Koutedakis Y, Theodorakis Y, Jamurtas AZ, *Physiol Behav.* 2021 Feb 1;229:113258.
11. "Differences of apathy perfusion correlates between Alzheimer's disease and frontotemporal dementia. A 99mTc-HMPAO SPECT study with automated Brodmann areas analysis". Valotassiou V, Sifakis N, Tzavara C, Lykou E, Tsinia N, Kamtsadeli V, Sali D, Angelidis G, Psimadas D, Tsougos I, Papageorgiou SG, Georgoulas P, Papatriantafyllou J. *Int J Psychiatry Clin Pract.* 2020:1-9.
12. "Investigating the genetic characteristics of CAD: Is there a role for myocardial perfusion imaging techniques?", Angelidis G, Valotassiou V, Satra M, Psimadas D, Koutsikos J, Skoularigis J, Kollia P, Georgoulas P, *J Nucl Cardiol.* 2020 Nov 3.
13. "EANM procedural guidelines for PET/CT quantitative myocardial perfusion imaging", Sciagrà R, Lubberink M, Hyafil F, Saraste A, Slart RHJA, Agostini D, Nappi C, Georgoulas P, Bucerius J, Rischpler C, Verberne HJ; Cardiovascular Committee of the European Association of Nuclear Medicine (EANM), *Eur J Nucl Med Mol Imaging.* 2020:1-30.
14. "Procedural recommendations of cardiac PET/CT imaging: standardization in inflammatory-, infective-, infiltrative-, and innervation (4Is)-related cardiovascular diseases: a joint collaboration of the EACVI and the EANM", Slart RHJA, Glaudemans AWJM, Gheysens O, Lubberink M, Kero T, Dweck MR, Habib G, Gaemperli O, Saraste A, Gimelli A, Georgoulas P, Verberne HJ, Bucerius J, Rischpler C, Hyafil F, Erba PA; 4Is Cardiovascular Imaging: a joint initiative of the European Association of Cardiovascular Imaging (EACVI); European Association of Nuclear Medicine (EANM), *Eur J Nucl Med Mol Imaging.* 2020 Oct 27.
15. "In the era of FDG PET, is it time for brain perfusion SPECT to gain a place in Alzheimer's disease imaging biomarkers?", Valotassiou V, Angelidis G, Psimadas D, Tsougos I, Georgoulas P, *Eur J Nucl Med Mol Imaging.* 2020 Oct 20.
16. "Premature CAD: Conventional Screening and Diagnostic Strategies May Not Capture the "Whole Picture", Angelidis G, Valotassiou V, Satra M, Psimadas D, Georgoulas P. *Angiology.* 2021;72(2):194-195.
17. "A second wave of COVID-19 infections should not lead to a new disruption of services in nuclear cardiology", Angelidis G, Valotassiou V, Psimadas D, Georgoulas P, *J Nucl Cardiol.* 2020;27(5):1832-1833.
18. "Exercise stress testing: Time to restart in nuclear cardiology?", Angelidis G, Valotassiou V, Psimadas D, Georgoulas P, *J Nucl Cardiol.* 2020;27(4):1417.
19. "Human white-fat thermogenesis: Experimental and meta-analytic findings", Dinas PC, Krase A, Nintou E, Georgakopoulos A, Granzotto M, Metaxas M, Karachaliou E, Rossato M, Vettor R, Georgoulas P, S Mayor T, Koutsikos J, Athanasiou K, Ioannou LG, Gkiata P, Carrillo AE, Koutedakis Y, Metsios GS, Jamurtas AZ, Chatziioannou S, Flouris AD, *Temperature (Austin).* 2020;8(1):39-52.

20. "SNMMI Procedure Standard/EANM Guideline for Gated Equilibrium Radionuclide Angiography", Farrell MB, Galt JR, Georgoulas P, Malhotra S, Pagnanelli R, Rischpler C, Savir-Baruch B, *J Nucl Med Technol.* 2020;48(2):126-135.
21. "Recommendations for nuclear neuroimaging of patients with neurological disorders in the COVID-19 era", Valotassiou V, Angelidis G, Georgoulas P, *Hell J Nucl Med.* 2020 May-Aug;23 Suppl:57-64.
22. "Pet tracers for vulnerable plaque imaging", Giannakou S, Angelidis G, Tsougos I, Valotassiou V, Kappas K, Georgoulas P, *Ann Nucl Med.* 2020;34(5):305-313.
23. "Novel approaches for the management of coronary artery disease", Angelidis G, Valotassiou V, Kollia P, Skoularigis J, Tsougos I, Georgoulas P, Herz. 2020 Jan 31.
24. "EANM procedural guidelines for myocardial perfusion scintigraphy using cardiac-centered gamma cameras", Hyafil F, Gimelli A, Slart RHJA, Georgoulas P, Rischpler C, Lubberink M, Sciagra R, Bucerius J, Agostini D, Verberne HJ, on behalf of the Cardiovascular Committee of the European Association of Nuclear Medicine (EANM), *European Journal of Hybrid Imaging* 2019;3.
25. "Neuroimaging methods in Epilepsy of Temporal Origin", Tsougos I, Kousi E, Georgoulas P, Kapsalaki E, Fountas KN, *Curr Med Imaging Rev.* 2019;15(1):39-51.
26. "Detection of Extramedullary Hematopoietic Tissue in a Patient with Beta-Thalassemia Major on Tc99m-Sestamibi Parathyroid Scintigraphy", Valotassiou V, Angelidis G, Alexiou S, Psimadas D, Tsougos I, Georgoulas P, *Indian J Nucl Med.* 2019;34(4):324-325.
27. "The effect of a GnRH antagonist on follicle maturation in normal women", Pousias S, Messini CI, Anifandis G, Sveronis G, Georgoulas P, Daponte A, Messinis IE, Dafopoulos K, *Reprod Biomed Online.* 2019;39(1):84-92.
28. "Effect of resistin on estradiol and progesterone secretion from human luteinized granulosa cells in culture", Messini CI, Vasilaki A, Korona E, Anifandis G, Georgoulas P, Dafopoulos K, Garas A, Daponte A, Messinis IE, *Syst Biol Reprod Med.* 2019;65(5):350-356.
29. "The Effect of Metformin on the Endometrium of Women with Polycystic Ovary Syndrome", Dragamestianos C, Messini CI, Antonakis PT, Zacharouli K, Kostopoulou E, Makrigiannakis A, Georgoulas P, Anifandis G, Dafopoulos K, Garas A, Daponte A, Messinis IE, *Gynecol Obstet Invest.* 2019;84(1):35-44.
30. "Evaluation of the Performance of 18F-Fluorothymidine Positron Emission Tomography/Computed Tomography (18F-FLT-PET/CT) in Metastatic Brain Lesions", Nikaki A, Papadopoulos V, Valotassiou V, Efthymiadou R, Angelidis G, Tsougos I, Prassopoulos V, Georgoulas P, *Diagnostics (Basel).* 2019;9(1). pii: E17.
31. "PET Counting Response Variability Depending on Tumor Location, Activity, and Patient Obesity: A Feasibility Study of Solitary Pulmonary Nodule Using Monte Carlo", Theodorakis L, Loudos G, Prassopoulos V, Kappas C, Tsougos I, Georgoulas P, *IEEE Trans Med Imaging.* 2019;38(7):1763-1774.
32. "Advanced magnetic resonance imaging and the contribution of 99mTc-tetrofosmin brain SPECT in the differential diagnosis of cerebral tumors", Tsitsia V, Valotassiou V, Kapsalaki E, Fountas K, Siasios I, Tzavara C, Theodorou K, Georgoulas P, Tsougos I, *Nucl Med Biomed Imaging* 2018;3.
33. "A study on ghrelin and LH secretion after short fasting and on ghrelin levels at perioestral period in dairy cattle", Chouzouris TM, Dovolou E, Rekkas CA, Georgoulas P, Athanasiou LV, Amiridis GS, *Reprod Domest Anim.* 2018 Sep 1. [Epub ahead of print]
34. "SPECT and PET imaging in Alzheimer's disease", Valotassiou V, Malamitsi J, Papatriantafyllou J, Dardiotis E, Tsougos I, Psimadas D, Alexiou S, Hadjigeorgiou G, Georgoulas P, *Ann Nucl Med.* 2018 Aug 20. [Epub ahead of print]
35. "The Effect of Metformin on the Endometrium of Women with Polycystic Ovary Syndrome", Dragamestianos C, Messini CI, Antonakis PT, Zacharouli K, Kostopoulou E, Makrigiannakis A, Georgoulas P, Anifandis G, Dafopoulos K, Garas A, Daponte A, Messinis IE, *Gynecol Obstet Invest.* 2018 Jul 26:1-10. [Epub ahead of print]
36. "Low-dose radiation cancer risk hypothesis may lead to 'radiophobia'-driven imaging avoidance?", Angelidis G, Tsougos I, Valotassiou V, Georgoulas P. *J Nucl Cardiol.* 2018 Jun 28.

37. Corrigendum to "Assessment of Bone Mineral Density in Male Patients with Chronic Obstructive Pulmonary Disease by DXA and Quantitative Computed Tomography", Fountoulis G, Kerenidi T, Kokkinis C, Georgoulas P, Thriskos P, Gourgoulianis K, Fezoulidis I, Vassiou K, Vlychou M. *Int J Endocrinol*. 2018 May 2;2018:2165342.
38. "Oxidative stress and kidney injury in trans-radial catheterization", sarouhas K, Tsitsimpikou C, Papantoni X, Lazaridou D, Koutouzis M, Mazzaris S, Rezaee R, Mamoulakis C, Georgoulas P, Nepka C, Rentoukas E, Kyriakides Z, Tsatsakis A, Spandidos DA, Kouretas D. *Biomed Rep*. Volume 8(5), p. 417-425, 2018.
39. "Enhanced erythrocyte antioxidant status following an 8-week aerobic exercise training program in heavy drinkers", Georgakouli K, Manthou E, Fatouros IG, Georgoulas P, Deli CK, Koutedakis Y, Theodorakis Y, Jamurtas AZ. *Alcohol*. Volume 69, p. 57-62, 2018.
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- Annual Congress of the European Association of Nuclear Medicine, Munich, Germany, October 11-15, 2008 (Eur J Nucl Med Mol Imaging. Suppl 2, S300, 2008).
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 111. "Development of a 3D treatment planning systems for external and internal dosimetry in radiotherapy", Boukis S, Tsougos I, Loudos G, Theodorou K, Georgoulis P, Nikita K, Kappas C, 3rd International Greek Biotechnology Forum, Athens, Greece, October 5-7, 2006.
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Presentations in National Congresses: 93

Proceedings

1. “Numerical and experimental analysis of high frequency acoustic microscopy and infrared reflectance system for early detection of melanoma”, Karagiannis G, Apostolidis G, Georgoulas P, Proceedings of the SPIE, Volume 9708, 2016.
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3. "Evaluation of an imaging Gamma Probe based on R8900U-00-C12 PSPMT", Georgiou M, David S, Papadimitroulas P, Fysikopoulos E, Bregou A, Loudos G, Georgoulas P. Nuclear Science Symposium and Medical Imaging Conference, 2011 (IEEE, Record art. no. 6153764: 4020-4023).
4. "Photon dose kernels dataset for nuclear medicine dosimetry, using GATE Monte Carlo Toolkit", Papadimitroulas P, Loudos G, Georgoulas P., Kagadis G, Nuclear Science Symposium Conference, 2011 (IEEE, Record art. no. 6154624: 1390-1394).
5. Pattern recognition system for semi-automated detection of myocardium defects on SPECT images", Papadimitroulas P, Varsamidis A, Glotsos D, Kalatzis I, Georgoulas P., Loudos G, Kostopoulos S, Cavouras D, Nikiforidis G, 4th International Conference: From Scientific Computing to Computational Engineering, Athens, Greece, July 7-10, 2010.
6. "Evaluation of brain perfusion in specific brodmann areas in frontotemporal dementia and alzheimer's disease using automated 3-D voxel based analysis", Valotassiou V, Papatriantafyllou J, Sifakis N, Georgoulas P., Karageorgiou C, Zerva C, 4th International Conference on Imaging Technologies in Biomedical Sciences, Milos, Greece, September 22-28, 2007.

AWARDS - DISTINCTIONS

1. Elected Candidate Chair of the Scientific Committee, "Congress of the World Federation of Nuclear Medicine & Biology 2026", Athens – Candidate City, Hellenic Society of Nuclear Medicine & Molecular Imaging.
2. The book chapter entitled "Clinical Significance of Tetrofosmin Extracardiac Uptake During Myocardial Perfusion Imaging", P. Georgoulas, V. Valotassiou, I. Tsougos, G. Agelides, N. Demakopoulos, ("Coronary Angiography / Book 2", ISBN 979-953-307-235-6, Intech Open Access Publisher, 2011) has been accessed so far 7333 times.
3. The book chapter entitled "Clinical Use of SPECT and PET Molecular Imaging in Alzheimer's Disease" (Valotassiou V., Sifakis N., Papatriantafyllou J., Angelidis G. and Georgoulas P.), (The Clinical Spectrum of Alzheimer's Disease - The Change Towards Comprehensive Diagnostic and Therapeutic Strategies, ISBN 978-953-307-993-6, Intech Open Access Publisher, 2011) has been accessed so far 3850 times.
4. The paper entitled: 'Impact of renin-angiotensin-aldosterone system polymorphisms on myocardial perfusion: Correlations with myocardial single photon emission computed tomography-derived parameters', Angelidis G, Samara M, Papathanassiou M, Satra M, Valotassiou V, Tsougos I, Psimadas D, Tzavara C, Alexiou S, Koutsikos J, Demakopoulos N, Giamouzis G, Triposkiadis F, Skoularigis J, Kollia P, Georgoulas P (J Nucl Cardiol. 2018 Jan 17) was commented in an Editorial Letter entitled "Do we need diagnostic strategies enhanced with genetic information for ischemic heart disease?", (J Nucl Cardiol. 2018 Mar 6) (Marie PY, Visvikis-Siest S).
5. The paper entitled "Myocardial perfusion and left ventricular quantitative parameters obtained using gated myocardial SPECT: Comparison of three software packages", Alexiou S, Georgoulas P., Angelidis G, Valotassiou V, Tsougos I, Psimadas D, Lakiotis V, Kaspri A, Alexopoulos D, Apostolopoulos D, Vassilakos P, (J Nucl Cardiol. 2016 Nov 21) was commented in an Editorial Letter entitled "Quantitative measurements of myocardial perfusion and function from SPECT (and PET) studies depend on the method used to perform those measurements", (J Nucl Cardiol. 2016 Dec 21), (Germano G.).
6. The presentation entitled "Early diagnosis of experimentally induced melanoma: cutaneous tumors with the combined use of acoustic microscopy, spectroscopy of infrared reflectance and Raman scattering, confirmed by subsequent histological analysis", Grivas I, Karagiannis G, Dori I, Wesarg S, Georgoulas P., Tsingotjidou A,

- was awarded as “Eligible for the Best Poster ESLAV Award”, European Society of Laboratory Animal Veterinarians, Joint Meeting, September 22-23, 2014.
7. Award for the presentation entitled: “Effect of longterm non-invasive mechanical ventilation on Homeostasis Model Assessment (HOMA) parameter in patients with stable chronic obstructive pulmonary disease and chronic hypercapnic respiratory failure”, 23th Panhellenic Congress on Respiratory Diseases, Athens, November 5-8, 2014.
 8. “Alexandros Kalos” award for the participation in the study entitled: “Investigation of the expression of RUNX2 and bone markers in osteoporosis”, 21st Panhellenic Congress of the Hellenic Society of Bone Metabolism, Volos, November 8, 2013.
 9. The presentation entitled “^{99m}Tc-HMPAO-SPECT with mapping of Broadmann areas in the differential diagnosis of Frontotemporal Dementia from Alzheimer’s Disease”, Valotassiou V., Papatriantafyllou I., Sifakis N., Tzavara Ch., Tsougos I., Psimadas D., Kournouti M., Kapsalaki E., Chadjigeorgiou G., Georgoulas P., was awarded as one of the most important Presentations in the 11th Panhellenic Conference of Nuclear Medicine, Athens, March 30th- April 1st, 2012.
 10. The presentation entitled: “Evaluation of perfusion in Cognitive-Semantic Dementia and Alzheimer’s Disease using ^{99m}Tc-HMPAO-SPECT and mapping of Broadmann areas”, Valotassiou V., Papatriantafyllou I., Sifakis N., Tzavara Ch., Tsougos I., Psimadas D., Ziaka A., Kapsalaki E., Chadjigeorgiou G., Georgoulas P., was awarded as one of the most important Presentations in the 11th Panhellenic Conference of Nuclear Medicine, Athens, March 30th- April 1st, 2012.
 11. The paper entitled “Does hybrid diagnostic imaging in cardiology have the same significance as in oncology?”, Georgoulas P., Tsougos I., Valotassiou V., Demakopoulos N., (Eur J Nucl Med Mol Imaging, May; 38(5): 979-81, 2011), was included as one of the most interesting manuscripts in Current Readings in Nuclear Medicine, Clinical Nuclear Medicine, Volume 36, Number 7, July 2011.
 12. The paper entitled “Development and evaluation of QSPECT open-source software for the iterative reconstruction of SPECT images”, Loudos G.K., Papadimitroulas P., Zotos P., Tsougos I., Georgoulas P., (Nuclear Medicine Communications, Jun; 31(6):558-66, 2010), was included as one of the most interesting manuscripts in Current Readings in Nuclear Medicine, Clinical Nuclear Medicine, Volume 35, Number 8, August 2010.
 13. The paper entitled “Patient-specific internal radionuclide dosimetry”, Tsougos I., Loudos G., Georgoulas P., Theodorou K., Kappas C., (Nuclear Medicine Communications, Feb; 31(2):97-106, 2010) was included as one of the most interesting manuscripts in Current Readings in Nuclear Medicine, Clinical Nuclear Medicine, Volume 35, Number 4, April 2010.
 14. The paper entitled “The association of metabolic syndrome with adipose tissue hormones and insulin resistance in patients with COPD without comorbidities”, Minas M., Kostikas K., Papaioannou A., Mystridou P., Karetsi E., Georgoulas P., Liakos N., Pournaras S., Gourgoulisanis K., (COPD, Dec; 8(6):414-20, 2011) was commented in an Editorial Letter entitled “Metabolic Syndrome and Systemic Inflammation in COPD”, (COPD; 8: 395-396, 2011), (E. Kern), published in the same issue.
 15. 2nd award of Presentations for the presentation entitled “Epidemiological study for depression in patients with obesity”, Kontoriga A., Mouzas O., Charavgi N., Georgoulas P., Vankova M., Tsakalaki M. 2nd Panhellenic Psychiatric Conference, June 4 – 6, Killini, 2010.
 16. Award for the study entitled “Experimental and simulation studies for the optimization of dedicated scintimammography cameras”, Georgiou M., Loudos G., David S., Georgoulas P., (E J Nucl Med Mol.Imaging 2010; Suppl 2, S352), which was presented in the 23th Annual Congress of the European Association of Nuclear Medicine, Vienna, Austria, October, 2010, as one of the best in the conference.

17. Award for the study entitled "Impact of FXIII A1, FII, FV, FGB AND PAI1 polymorphisms on myocardial perfusion: correlation with myocardial Single Photon Emission Computed tomographic imaging", Satra M., Samara M., Wozniak G., Kontos A., Valotassiou V., Tsougos I., Kollia P., Georgoulas P., (E J Nucl Med Mol.Imaging 2010; Suppl 2, S352), which was presented in the 23th Annual Congress of the European Association of Nuclear Medicine, Vienna, Austria, October, 2010, as one of the best in the conference.
18. Award for the study entitled «Fetuin as a differential diagnostic marker in patients with haemorrhagic diarrhea: Ulcear, ischaemic colitis and large intestine tumors», Manolakis A., Kapsoritakis A., Georgoulas P., Christodoulidis G., Tiaka E., Tsimperidis A., Tsiopoulos F., Oikonomou K., Magaliou N., Andritsopoulos K., Valotassiou V., Potamianos S., which was presented in the 30th Panhellenic Conference of Gastroenterology, Athens, 2010.
19. "Dimitris Manios" award for the study entitled "Correlation of new polymorphisms CER1 gene with metabolic markers in osteoporotic fractures", Koromila Th., Kollia P., Georgoulas P., Samara S., Chasanidis Ch., Aleporou M., Ntailiana Z. which was presented in the 66th Panhellenic Conference of Orthopedics, Athens, 2010.
20. "Alexandros Kalos" award for the study entitled «Study of CER1 gene-biochemical markers and correlation with osteoporosis», Koromila Th., Kollia P., Georgoulas P., Samara S., Chasanidis Ch., Aleporou M., Ntailiana Z., which was presented in 18th Panhellenic Conference of the Hellenic Society of Bones Metabolism Studies (E.E.M.M.O), Athens, 2010.
21. The poster entitled "Inflammatory bowel disease – induced changes in circulating levels of α 2-Heremans-Schmid glycoprotein (Fetuin A)", Manolakis A. C., Kapsoritakis A. N., Georgoulas P., Tiaka E. K., Oikonomou K., Christodoulidis G., Valotassiou V. J., Potamianos S. P., was announced as "Highly Commented" in the 5th European Cancer Organization Congress (ECCO), Prague, 2010.
22. The paper entitled "Incremental prognostic value of ^{99m}Tc-tetrofosmin myocardial SPECT after percutaneous coronary intervention.", Georgoulas P., Tzavara Ch., Demakopoulos N., Giannakou S., Valotassiou V., Tsougos I., Xaplanteris P., Fezoulidis I., (Annals of Nuclear Medicine, 2008; 22: 899-909), was included as one of the most interesting manuscripts in the Current Readings in Nuclear Medicine, Clinical Nuclear Medicine, Volume 34, Number 4, April 2009
23. The paper entitled "Drug enhancement of myocardial tracer uptake during myocardial perfusion imaging", Georgoulas P., Valotassiou V., Tsougos I., (European Journal of Nuclear Medicine and Molecular Imaging 2009; 36: 160-161), was included as one of the most interesting manuscripts in the Current Readings in Nuclear Medicine, Clinical Nuclear Medicine, Clinical Nuclear Medicine, Volume 34, Number 3, March 2009
24. The paper entitled "Evaluation of abnormal heart-rate recovery after exercise testing in patients with diabetes mellitus: Correlation with myocardial SPECT and chronotropic parameters", Georgoulas P., Demakopoulos N., Orfanakis A., Xydis K., Xaplanteris P., Vardas P., Fezoulidis I., (Nuclear Medicine Communications 2007; 28: 165-171), was included as one of the most interesting manuscripts in the Current Readings in Nuclear Medicine, Clinical Nuclear Medicine, Volume 32, Number 5, May 2007.
25. The paper entitled "Early post-stress pulmonary uptake of ^{99m}Tc tetrofosmin during exercise (SPECT) myocardial perfusion imaging: correlation with haemodynamic, perfusion and function parameters", Georgoulas P., Demakopoulos N., Kontos A., Xaplanteris P., Xydis K., Fezoulidis I., (Nuclear Medicine Communications 2006; 27: 119-126), was included as one of the most interesting manuscripts in the Current Readings in Nuclear Medicine, Clinical Nuclear Medicine, Volume 31, Number 4, April 2006.

26. The paper entitled "Abnormal heart rate recovery immediately after treadmill testing: correlation with clinical, exercise testing, and myocardial perfusion parameters", Georgoulas P., Orfanakis A., Demakopoulos N., Xaplanteris P., Mortzos G., Vardas P., Karkavitsas N., (Journal of Nuclear Cardiology 2003; 10: 498-505), was included as one of the most interesting manuscripts in the Current Readings in Nuclear Medicine, Clinical Nuclear Medicine, Volume 30, Number 1, January 2004.
27. The paper entitled "^{99m}Tc-Tetrofosmin myocardial perfusion imaging: a comparison with coronary angiography", Georgoulas P., Demakopoulos N., Kontos A., Xaplanteris P., Thomadakis K., Mortzos G., Karkavitsas N., (NuklearMedizin 1996; 35: 153-155), was included as one of the most interesting manuscripts in the Current Readings in Nuclear Medicine, Clinical Nuclear Medicine, Volume 22, Number 4, April 1997.
28. Scholarship by the Piedmont Society, Duke University, USA, for the study entitled: "Effect of skeletal tension on the perfusion of femoral head. Proclinical investigation on rabbits (1999-2001)".