

Curriculum Vitae

Dimitrios Karnabatidis, MD, PhD

Professor of Interventional Radiology

University of Patras, Medical School

Date of birth: September 28th , 1962

Nationality: Greek

Professional Address: University Hospital of Patras,
Radiology Department,
2nd floor Angiography Suite,
Patras, GR 26504 Rion, GREECE

Tel: +30 2613 603219 / **fax:** +30 2610 993445 **E-mail:** karnaby@upatras.gr

Education:

- 1988: Graduated – School of Medicine, University of Cluj-Napoca, Romania
- 2001: PhD Thesis Title: “Quantification of angiogenesis in the chick chorioallantoic membrane (CAM) and in rat implanted tumors with digital post-processing of subtraction angiography” Grade: Excellent, School of Medicine, University of Patras, Rion, Greece

Work Experience:

- 1998 - 2008: Consultant Interventional Radiologist, Patras University Hospital, Rion, Greece
- 2008 – July 2013: Associate Professor of Interventional Radiology, University of Patras, School of Medicine, Rion, Greece
- July 2013 – February 2018: Assistant Professor of Interventional Radiology, University of Patras, School of Medicine, Rion, Greece
- February 2018 – today: Professor of Interventional Radiology, University of Patras, School of Medicine, Rion, Greece
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Professional License:

Medical Licensure for Radiology and Interventional Radiology in Greece and EU countries

Teaching experience:

- Teaching undergraduate 3rd and 4th year medical students and delivering tutorials in post-graduate radiological courses.
- Official training of diagnostic radiology residents in Patras University hospital.
- Tutor in the Center of Experimental and Practical Training in Interventional Radiology, founded in the School of Medicine, Patras University in 2010.

Research interests:

- Basic and clinical investigations of endovascular treatment of peripheral arterial disease, as well as methods of inhibition of neointimal hyperplasia following balloon angioplasty.
- Research of minimally invasive percutaneous treatments of the genitourinary tract, in the application of novel interventional radiological treatments and in the promotion of therapeutic angiogenesis or inhibition of tumoral neovascularization.
- Radiation protection studies in interventional radiology, as well as in computerized analysis and post-processing of digital radiological images.

Congresses - Lectures:

- Participation with presentations in more than 130 National Congresses.
- Invited speaker in more than 30 national congresses, workshops, ect.
- Invited speaker in 17 international congresses.

Organization Member:

- Fellow of the Cardiovascular and Interventional Radiological Society of Europe (CIRSE) (www.cirse.org)
- Holds the European Board of Interventional Radiology (EBIR)
- Member of the Hellenic Radiology Society (www.helrad.org)
- Member of the Hellenic Society of Interventional Radiology
- Member of the Western Greece Radiology Society

Member of Journal's Editorial Boards:

- Journal of Endovascular Therapy 2014 - 2016
- World Journal of Radiology 2015

Member of Editorial Boards:

- Guest Associate Editor to Medical Physics - 2012.

- Member of Editorial to Journal of Endovascular Therapy - 2014 - 2015
- Member of Editorial Board to World Journal of Radiology - 2016

Reviewer

- Journal of Endovascular Therapy (JEVT): 2012 - 2017.
- Medical Physics : 2006, 2007, 2008, 2010, 2011, 2013, 2014, 2015.
- Nature Reviews Urology : 2009.
- Therapeutics and Clinical Risk Management : 2010, 2014, 2015.
- CardioVascular and Interventional Radiology (CVIR) : 2009 - 2016.
- Journal of Nephrology : 2012.
- Hospital Chronicles : 2012.
- Case reports in Medicine: 2013 και 2017
- European Journal of Radiology: 2013 – 2015, 2017
- Advances in Urology : 2014
- Cancer Biotherapy & Radiopharmaceuticals : 2014
- Dove Medical Press : 2014
- PLOS ONE : 2015
- Postgraduate Medicine : 2015
- Asian Journal of Urology : 2015
- World Journal of Nephrology : 2015
- Journal of the American College of Cardiology (JACC) : 2015, 2016
- Expert Opinion on Drug Safety : 2016
- World Journal of Gastroenterology : 2016
- American Journal of Nephrology : 2014 - 2016
- Journal of Surgical Procedures : 2016 – 2019
- World Journal of Transplantation : 2016
- Expert Review of Hematology : 2016
- Catheterization and Cardiovascular Interventions : 2018
- Journal Of Vascular Access: 2017
- IEEE Access: 2017
- SAGE Open Medical Case Reports: 2017
- Expert Review of Cardiovascular Therapy: 2017

Awards

1. **2008 CVIR Editor's Medal:** 'External beam irradiation and restenosis following femoral stenting: long-term results of a prospective randomized study'. Zampakis P, **Karnabatidis D**, Kalogeropoulou C, Kardamakis DM, Katsanos K, Skouras T, Siablis D. *Cardiovasc Intervent Radiol.* 2007 May-Jun;30(3):362-9. *Cardiovascular and Interventional Radiology*
2. **2011 CVIR Editor's Medal:** 'Cryoplasty versus conventional balloon angioplasty of the femoropopliteal artery in diabetic patients: long-term results from a prospective randomized single-center controlled trial'. Spiliopoulos S, Katsanos K, **Karnabatidis D**, Diamantopoulos A, Kagadis GC, Christeas N, Siablis D. *Cardiovasc Intervent Radiol.* 2010 Oct;33(5):929-38.
3. **2009 CIRSE Featured Abstract:** 'Cryoplasty versus conventional balloon angioplasty of the femoropopliteal artery in diabetic patients: long-term results from a prospective randomized controlled study'. S. Spiliopoulos, K. Katsanos, A. Diamantopoulos, N. Christeas, D. **Karnabatidis D**, Siablis Presented as Featured Abstract CIRSE 2009, Lisbon, Portugal, 19-23 September 2009
4. **2009 SIR Featured Abstract:** 'Infrapopliteal Sirolimus-Eluting Versus Bare Metal Stents for Critical Limb Ischemia: Long-Term Angiographic and Clinical Outcome in More Than 100 Patients', K. Katsanos, A. Diamantopoulos, S. Spiliopoulos, A. Karatzas, **D. Karnabatidis**, D. Siablis, G. Kagadis, SIR 34th Annual Scientific Meeting March 7-12, 2009.
5. **2011 SIR Featured Abstract:** 'Primary everolimus-eluting stenting versus balloon angioplasty with bail-out bare metal stenting of long infrapopliteal lesions for critical limb ischemia treatment'. **D. Karnabatidis**, K. Katsanos, S. Spiliopoulos, A. Diamantopoulos, D. Siablis, SIR 36th Annual Scientific Meeting, Chicago, Illinois, March 16-31 2011
6. **2011 CIRSE Featured Abstract:** 'Paclitaxel-eluting balloon angioplasty versus plain balloon dilatation for the treatment of failing dialysis access: a prospective randomized controlled trial' (NCT01174472) (ID: 56961) P. M. Kitrou, K. N. Katsanos, A. Diamantopoulos, S. Spiliopoulos, N. Christeas, D. **Karnabatidis**, D. Siablis CIRSE 2011 Munich, 10-14 September 2011
7. **CIRSE 2012 Featured Abstract:** Paclitaxel-coated balloon angioplasty versus plain balloon dilatation for the treatment of failing dialysis access: a prospective randomized controlled trial. K.N. Katsanos, P.M. Kitrou, S. Spiliopoulos, A. Diamantopoulos, D. Karnabatidis, D. Siablis. CIRSE 2012, September 15-19, 2012, Lisbon, Portugal.
8. **LIVE, 2012 Best study and best presentation award:** 'Paclitaxel – coated balloon versus plain balloon angioplasty for the treatment of failing dialysis access: 1-year results of a prospective randomized controlled trial'. P. Kitrou, K. Katsanos, S. Spiliopoulos, A. Diamantopoulos, M. Kuriakopoulou, **D. Karnabatidis**, D. Siablis, Leading Innovative Vascular Education (LIVE), May 24 – 27, 2012, Alexandroupolis, Greece

9. **SIR 2012 Distinguished Late – Breaking Abstract:** ‘Paclitaxel-coated balloon angioplasty versus plain balloon dilatation for the treatment of failing dialysis access: a prospective randomized controlled trial’. K. Katsanos, P.M. Kitrou, **D. Karnabatidis**, S. Spiliopoulos, A. Diamantopoulos, D. Siablis, SIR 37th Annual Scientific Meeting, March 24 – 29, San Francisco

10. **2012 BSIR Best presentation:** ‘Platelet responsiveness and repeat procedures in patients receiving clopidogrel after endovascular treatment for peripheral arterial disease’. S. Spiliopoulos, G. Pastromas, K. Katsanos, A. Diamantopoulos, **D. Karnabatidis**, D. Siablis, British Society of Interventional Radiology, BSIR, November 14 – 16, 2012 Bournemouth UK

11. **JACC Highlighted paper for 2013** (Demaria AN, Adler ED, Bax JJ, Highlights of the Year in JACC 2013. J Am Coll Cardiol. 2014; 63(6):570-602.) for the study: “Platelet responsiveness to clopidogrel treatment after peripheral endovascular procedures: the PRECLOP study: clinical impact and optimal cutoff value of on-treatment high platelet reactivity” J Am Coll Cardiol. 2013 Jun 18; 61(24):2428-34

12. **CIRSE 2013 Featured Abstract:** Platelet REsponsiveness to CLOpidogrel treatment after Peripheral endovascular procedures. The PRECLOP study (NCT01744613). Evaluation of the Optimal Cut-off Value and Clinical Effect of High On Treatment Platelet Reactivity. S Spiliopoulos, G Pastromas, K Katsanos, P Kitrou, **D Karnabatidis**, D Siablis. CIRSE 2013, September 14-19, Barcelona, Spain.

13. **2014 SIR Distinguished Abstract:** ‘Paclitaxel-coated balloons as a treatment option of arterio – venous fistula stenosis: 1-year final results of a prospective randomized controlled trial”

14. **2014 SIR Featured Abstract:** “Drug-Coated Balloons versus Drug-Eluting Stents in Long Infrapopliteal Lesions: The IDEAS Randomized Controlled Trial (NCT01517997) P. Kitrou, S. Spiliopoulos, K. Katsanos, N. Christeas, D. Siablis, **D. Karnabatidis**. SIR, 39th Annual Scientific Meeting, 22-27 Mar 2014, San Diego, USA.

National and international Research Projects

Grants:

1. Research Grant funded by the Central Scientific Agency of the Greek Ministry of Health: Project title: “In vivo study of angiogenesis in experimental models with the application of computerized image analysis and post-processing” Project Director: D. Siablis, MD, PhD, FCIRSE, Professor of Radiology, School of Medicine, Patras University - Participant.

2. Research Grant funded by the University of Patras Research Committee “KARATHEODORIS” Project title: “Experimental computational fluid dynamics studies for non-invasive identification and hemodynamic characterization of renal artery stenosis” Project Director: E.N. Liatsikos, MD, PhD, Lecturer of Urology, School of Medicine, Patras University - Participant.

3. Post-doctoral Research Grant funded by the Greek Secretariat for Research and Technology "PYTHAGORAS II" Project title: "In vivo comparison of thrombin's arteriogenic capacity with other well-established growth factors in the rabbit hindlimb ischemia model" Project Director: G.C. Nikiforidis, PhD, Professor in Medical Physics and Informatics, School of Medicine, Patras University - Participant.
4. CIRSE 2005 Research Grant: Project title: "In vivo imaging and quantitative analysis of angiogenesis in animal models with the application of sophisticated image processing and analysis algorithms" Project Director: D. Siablis, MD, PhD, FCIRSE, Professor of Radiology, School of Medicine, Patras University. Date 2005. Budget: 12.000 Euro - Participant.

Experimental Protocols

1. Infrapopliteal application of olimus-eluting stents (sirolimus, biolimus and zotarolimus) - Participant.
2. Carbon-coated stents in the infrapopliteal arteries for critical limb ischemia- Participant.
3. Sirolimus -eluting stents in the infrapopliteal arteries for critical limb ischemia - Participant.
4. Cryoplasty of femoropopliteal occlusive arterial disease in diabetic patients - Participant.
5. Subintimal recanalisation and angioplasty of chronic infrainguinal occlusions – Participant
6. Application of protection filters during peripheral revascularization procedures - Participant.
7. Efficacy of drug-eluting stents in benign and malignant ureteral strictures - Participant.
8. Pharmacological versus mechanical (rheolytic) declotting of thrombosed hemodialysis access - Participant.
9. Investigation of the efficacy of the novel agent SR90107A/org31540 versus enoxaparin (Lovelox) in the prevention of deep thromboembolic events after orthopedic surgery: a european multicentre study. - Participant.
10. Controlled drug delivery from liposomal covered stents: in-vitro and in-vivo study - School of Medicine, Patras University, EC 2897) - Participant.
11. Prospective registry of critical limb ischemia patients treat endovascularly - School of Medicine, Patras University - Participant.
12. Prospective, Randomized, Multicenter Comparison Of Balloon Angioplasty And The Cypher Select Tm + Coronary And Infrapopliteal Stent In The Treatment Of Subjects With Ischemic Infrapopliteal Arterial Disease: The ACHILLES study (Protocol: EE06-02) - Participant.
13. Platelet responsiveness to clopidogrel treatment after peripheral endovascular procedures: the PRECLOP study: clinical impact and optimal cutoff value of on-treatment high platelet reactivity - Participant

14. Drug eluting stents in a rabbit endovascular vein model - School of Medicine, Patras University - Participant.
15. In vivo study of angiogenesis in animal models with the use of image processing and analysis – Greek Ministry of Health. - Participant.
16. University Research network “Angio” School of Medicine, Patras University – Principal Investigator.
17. Lutonix Global SFA Registry: A Prospective, Global Multicenter, Single Arm Real-World Registry Investigating the Clinical Use and Safety of the LUTONIX Drug Coated PTA Dilatation Catheter, – Principal Investigator.
18. Drug Eluting balloons in the therapy of immature fistula - School of Medicine, Patras University – Principal Investigator.
19. Starclose Closure Device in the haemostasis of prograde angioplasty of the superficial femoral artery School of Medicine, Patras University – Principal Investigator.
20. Center of Experimental and Practical Training in Interventional Radiology - School of Medicine, Patras University – Principal Investigator.
21. The IN.PACT Global Clinical Study for the Treatment of Comprehensive Superficial Femoral and/or Popliteal Artery Lesions Using the IN.PACT Admiral™ Drug-Eluting Balloon, – Principal Investigator.
22. «A Prospective, Multicenter, Single-Arm, Post-Market Study Using the Lutonix® Drug Coated Balloon for Post-Dilatation of the Bard® LifeStent® Vascular Stent for Treatment of Long Lesions in Femoropopliteal (CL0022-01)» Principal Investigator
23. «A Prospective, Multicenter, Single Arm Real-World Registry Investigating the Clinical Use and Safety of the Lutonix® Drug Coated Balloon PTA Catheter for Treatment of Below-the-Knee (BTK) Arteries (CL0024-01)» Principal Investigator
24. «IMPROVE BTK: International Multicentric Registry for PeRfOrmance EVAluation of Cre8™ BTK» Principal Investigator
25. «A Prospective, Multicenter, Single Arm Real-World Registry Investigating the Clinical Use and Safety of the Lutonix® Drug Coated Balloon PTA Catheter for Treatment of Dysfunctional AV Fistulae (CL0026-01)» Principal Investigator
26. «IN.PACT BTK- Randomized Study of IN.PACT 014 Paclitaxel-Coated Percutaneous Transluminal Angioplasty Balloon Catheter vs. optimal Percutaneous Transluminal Angioplasty for the treatment of chronic total occlusions in the infrapopliteal arteries» - Participant

Full Publications in peer review journals (170 publications)

Impact Factor (2015) 3.12834

Citations: 2.722

h Intex: 28

1. A survival guide for endovascular declotting in dialysis access: procedures, devices, and a statistical analysis of 3,000 cases. Kitrou PM, Katsanos K, Papadimitos P, Spiliopoulos S, **Karnabatidis D**. *Expert Rev Med Devices*. 2018 Mar 21:1-9. doi: 10.1080/17434440.2018.1454311.
2. Lysis-Assisted Balloon (LAB) Thrombectomy. A Declotting Technique for the Treatment of Thrombosed Arteriovenous Dialysis Grafts. 5-Year Experience of 241 Endovascular Procedures. Kitrou PM, Papadimitos P, Spiliopoulos S, Christeas N, Katsanos K, **Karnabatidis D**. *Cardiovasc Intervent Radiol*. 2018 Feb;41(2):245-252. doi: 10.1007/s00270-017-1813-z. Epub 2017 Oct 26.
3. Comparative effectiveness of different transarterial embolization therapies alone or in combination with local ablative or adjuvant systemic treatments for unresectable hepatocellular carcinoma: A network meta-analysis of randomized controlled trials. Katsanos K, Kitrou P, Spiliopoulos S, Maroulis I, Petsas T, **Karnabatidis D**. *PLoS One*. 2017 Sep 21;12(9):e0184597. doi: 10.1371/journal.pone.0184597. eCollection 2017. Review.
4. The 24-Month Results of the Lutonix Global SFA Registry: Worldwide Experience With Lutonix Drug-Coated Balloon. Thieme M, Von Bilderling P, Paetzel C, **Karnabatidis D**, Perez Delgado J, Lichtenberg M; Lutonix Global SFA Registry Investigators. *JACC Cardiovasc Interv*. 2017 Aug 28;10(16):1682-1690. doi: 10.1016/j.jcin.2017.04.041. Epub 2017 Aug 2.
5. A Machine-Learning Algorithm Toward Color Analysis for Chronic Liver Disease Classification, Employing Ultrasound Shear Wave Elastography. Gatos I, Tsantis S, Spiliopoulos S, **Karnabatidis D**, Theotokas I, Zoumpoulis P, Loupas T, Hazle JD, Kagadis GC. *Ultrasound Med Biol*. 2017 Sep;43(9):1797-1810. doi: 10.1016/j.ultrasmedbio.2017.05.002. Epub 2017 Jun 19.
6. Current Evidence and future perspectives on Anti-Platelet and Statin Pharmacotherapy for Patients with Symptomatic Peripheral Arterial Disease. Kitrou P, Katsanos K, **Karnabatidis D**, Reppas L, Brountzos E, Spiliopoulos S. *Curr Vasc Pharmacol*. 2017 May 4. doi: 10.2174/1570161115666170504124911. [Epub ahead of print]
7. Multi-center feasibility study of microwave radiometry thermometry for non-invasive differential diagnosis of arterial disease in diabetic patients with suspected critical limb ischemia. Spiliopoulos S, Theodosiadou V, Barampoutis N, Katsanos K, Davlouros P, Reppas L, Kitrou P,

- PaliAlexis K, Konstantos C, Siores E, Alexopoulos D, **Karnabatidis D**, Brountzos E. J Diabetes Complications. 2017 Jul;31(7):1109-1114. doi: 10.1016/j.jdiacomp.2017.04.022. Epub 2017 Apr 28.
8. Debulking Atherectomy in the Peripheral Arteries: Is There a Role and What is the Evidence? Katsanos K, Spiliopoulos S, Reppas L, **Karnabatidis D**. Cardiovasc Intervent Radiol. 2017 Apr 27. doi: 10.1007/s00270-017-1649-6. [Epub ahead of print]
 9. Paclitaxel-Coated Balloons for the Treatment of Symptomatic Central Venous Stenosis in Dialysis Access: Results from a Randomized Controlled Trial. Kitrou PM, Papadimatos P, Spiliopoulos S, Katsanos K, Christeas N, Brountzos E, **Karnabatidis D**. J Vasc Interv Radiol. 2017 Apr 20. pii: S1051-0443(17)30283-X. doi: 10.1016/j.jvir.2017.03.007. [Epub ahead of print]
 10. Focal liver lesions segmentation and classification in nonenhanced T2-weighted MRI. Gatos I, Tsantis S, Karamesini M, Spiliopoulos S, **Karnabatidis D**, Hazle JD, Kagadis GC. Med Phys. 2017 Apr 22. doi: 10.1002/mp.12291. [Epub ahead of print]
 11. Drug eluting balloons for resistant arteriovenous dialysis access stenosis. **Karnabatidis D**, Kitrou P. J Vasc Access. 2017 Mar 6;18(Suppl. 1):88-91. doi: 10.5301/jva.5000663. Epub 2017 Mar 5.
 12. Gene-based therapies in patients with critical limb ischemia. Kitrou P, **Karnabatidis D**, Brountzos E, Katsanos K, Reppas L, Spiliopoulos S. Expert Opin Biol Ther. 2017 Jan 28. doi: 10.1080/14712598.2017.1289170. [Epub ahead of print]
 13. FD-OCT and IVUS intravascular imaging modalities in peripheral vasculature. Spiliopoulos S, Kitrou P, Katsanos K, **Karnabatidis D**. Expert Rev Med Devices. 2017 Feb;14(2):127-134. doi: 10.1080/17434440.2017.1280391.
 14. Cutting balloons, covered stents and paclitaxel-coated balloons for the treatment of dysfunctional dialysis access. Kitrou P, Spiliopoulos S, **Karnabatidis D**, Katsanos K. Expert Rev Med Devices. 2016 Dec;13(12):1119-1126.
 15. Paclitaxel-Coated Balloons for the Treatment of Dysfunctional Dialysis Access. Results from a Single-Center, Retrospective Analysis. Kitrou PM, Spiliopoulos S, Papadimatos P, Christeas N, Petsas T, Katsanos K, **Karnabatidis D**. Cardiovasc Intervent Radiol. 2016 Oct 14.
 16. Comparative Effectiveness of Plain Balloon Angioplasty, Bare Metal Stents, Drug-Coated Balloons, and Drug-Eluting Stents for the Treatment of Infrapopliteal Artery Disease: Systematic Review and Bayesian Network Meta-analysis of Randomized Controlled Trials. Katsanos K, Kitrou P, Spiliopoulos S, Diamantopoulos A, **Karnabatidis D**. J Endovasc Ther. 2016 Dec;23(6):851-863.

17. Starclose SE[®] hemostasis after 6F direct antegrade superficial femoral artery access distal to the femoral head for peripheral endovascular procedures in obese patients. Spiliopoulos S, Kitrou P, Christeas N, **Karnabatidis D**. *Diagn Interv Radiol*. 2016 Nov-Dec;22(6):542-547.
18. Day-Case Treatment of Peripheral Arterial Disease: Results from a Multi-Center European Study. Spiliopoulos S, **Karnabatidis D**, Katsanos K, Diamantopoulos A, Ali T, Kitrou P, Cannavale A, Krokidis M. *Cardiovasc Intervent Radiol*. 2016 Dec;39(12):1684-1691.
19. Drug-Coated Balloons are replacing the need for nitinol stents in the superficial femoral artery. Kitrou PM, **Karnabatidis D**, Katsanos K. *J Cardiovasc Surg (Torino)*. 2016 Apr 29. [Epub ahead of print]
20. Surgical and endovascular revision of brachio-basilic vein fistula. Kakkos SK, Kouri AK, Tsolakis IA, Haddad GK, Lampropoulos GC, **Karnabatidis D**. *J Vasc Access*. 2016 Mar 7;17 Suppl 1:6-11. doi: 10.5301/jva.5000516. Epub 2016 Mar 6.
21. A new computer aided diagnosis system for evaluation of chronic liver disease with ultrasound shear wave elastography imaging. Gatos I, Tsantis S, Spiliopoulos S, **Karnabatidis D**, Theotokas I, Zoumpoulis P, Loupas T, Hazle JD, Kagadis GC. *Med Phys*. 2016 Mar;43(3):1428. doi: 10.1118/1.4942383.
22. Systematic Review and Meta-analysis of Randomized Controlled Trials of Paclitaxel-Coated Balloon Angioplasty in the Femoropopliteal Arteries: Role of Paclitaxel Dose and Bioavailability. Katsanos K, Spiliopoulos S, Paraskevopoulos I, Diamantopoulos A, **Karnabatidis D**. *J Endovasc Ther*. 2016 Apr;23(2):356-70. doi: 10.1177/1526602815626557. Epub 2016 Jan 28.
23. Wound Healing Outcomes and Health-Related Quality-of-Life Changes in the ACHILLES Trial: 1-Year Results From a Prospective Randomized Controlled Trial of Infrapopliteal Balloon Angioplasty Versus Sirolimus-Eluting Stenting in Patients With Ischemic Peripheral Arterial Disease. Katsanos K, Spiliopoulos S, Diamantopoulos A, Siablis D, **Karnabatidis D**, Scheinert D. *JACC Cardiovasc Interv*. 2016 Feb 8;9(3):259-67. doi: 10.1016/j.jcin.2015.10.038. Epub 2016 Jan 6.
24. Current Phase II drugs under investigation for the treatment of limb ischemia. Spiliopoulos S, Kitrou P, Katsanos K, **Karnabatidis D**. *Expert Opin Investig Drugs*. 2015 Nov;24(11):1447-58. doi: 10.1517
25. Comparative Efficacy and Safety of Different Antiplatelet Agents for Prevention of Major Cardiovascular Events and Leg Amputations in Patients with Peripheral Arterial Disease: A Systematic Review and Network Meta-Analysis. Katsanos K, Spiliopoulos S, Saha P,

- Diamantopoulos A, Karunanithy N, Krokidis M, Modarai B, **Karnabatidis D**. PLoS One. 2015 Aug 14;10(8):e0135692. doi: 10.1371
26. Long-Term Clinical Outcomes of Infrapopliteal Drug-Eluting Stent Placement for Critical Limb Ischemia in Diabetic Patients. Spiliopoulos S, Theodosiadou V, Katsanos K, Kitrou P, Kagadis GC, Siablis D, **Karnabatidis D**. J Vasc Interv Radiol. 2015 Oct;26(10):1423-30. doi: 10.1016/j.jvir.2015.06.034. Epub 2015 Aug 4.
 27. Gangrenous Cholecystitis Related to Transcatheter Arterial Chemoembolization (TACE) Treatment for Hepatocellular Carcinoma. Karavias D, Kourea H, Sotiriadi A, **Karnabatidis D**, Karavias D. J Gastrointest Surg. 2015 Aug 5. [Epub ahead of print]
 28. Can We Improve Dialysis Arteriovenous Graft Survival? **Karnabatidis D**. Am J Nephrol. 2015;41(4-5):418-9. doi: 10.1159/000437153. Epub 2015 Jul 10.
 29. SU-E-I-69: A Cloud Based Application for MRI Brain Image Processing. Kagadis G, Alexakos C, Papadimitroulas P, Mihailidis D, Megalooikonomou V, Siablis D, Papanikolaou N, **Karnabatidis D**. Med Phys. 2015 Jun;42(6):3257. doi: 10.1118/1.4924066.
 30. Drug-eluting versus plain balloon angioplasty for the treatment of failing dialysis access: final results and cost-effectiveness analysis from a prospective randomized controlled trial (NCT01174472). Kitrou PM, Katsanos K, Spiliopoulos S, **Karnabatidis D**, Siablis D. Eur J Radiol. 2015 Mar;84(3):418-23. doi: 10.1016/j.ejrad.2014.11.037. Epub 2014 Dec 15.
 31. Paclitaxel-coated versus plain balloon angioplasty for dysfunctional arteriovenous fistulae: one-year results of a prospective randomized controlled trial. Kitrou PM, Spiliopoulos S, Katsanos K, Papachristou E, Siablis D, **Karnabatidis D**. J Vasc Interv Radiol. 2015 Mar;26(3):348-54. doi: 10.1016/j.jvir.2014.11.003. Epub 2014 Dec 24.
 32. Endovenous ablation of incompetent truncal veins and their perforators with a new radiofrequency system. Mid-term outcomes. Spiliopoulos S, Theodosiadou V, Sotiriadi A, **Karnabatidis D**. Vascular. 2014 Dec 12. pii: 1708538114564462. [Epub ahead of print]
 33. Evaluation of the distribution of Paclitaxel by immunohistochemistry and nuclear magnetic resonance spectroscopy after the application of a drug-eluting balloon in the porcine ureter. Liourdi D, Kallidonis P, Kyriazis I, Tsamandas A, **Karnabatidis D**, Kitrou P, Spyroulias GA, Kostopoulou ON, Marousis K, Kalpaxis DL, Goumenos DS, Liatsikos E. J Endourol. 2015 May;29(5):580-9. doi: 10.1089/end.2014.0683. Epub 2015 Jan 19.
 34. Evaluation of $\alpha\beta 3$ -mediated tumor expression with a ^{99m}Tc -labeled ornithine-modified RGD derivative during glioblastoma growth in vivo. Tsiapa I, Loudos G, Fragogeorgi EA, Bouziotis P,

- Psimadas D, Xanthopoulos S, Paravatou-Petsotas M, Palamaris L, Varvarigou AD, **Karnabatidis D**, Kagadis GC. *Cancer Biother Radiopharm*. 2014 Dec;29(10):444-50. doi: 10.1089/cbr.2014.1672.
35. Venous drug-eluting vs. bare-metal stenting: an experimental animal study using frequency domain optical coherence tomography. Kitrou PM, Spiliopoulos S, Katsanos K, Tsantis S, Diamantopoulos A, Kallidonis P, Kyriakopoulou M, Kagadis GC, **Karnabatidis D**, Siablis D. *Hellenic J Cardiol*. 2014 Sep-Oct;55(5):386-92.
36. Paclitaxel-coated balloon angioplasty versus drug-eluting stenting for the treatment of infrapopliteal long-segment arterial occlusive disease: the IDEAS randomized controlled trial. Siablis D, Kitrou PM, Spiliopoulos S, Katsanos K, **Karnabatidis D**. *JACC Cardiovasc Interv*. 2014 Sep;7(9):1048-56. doi: 10.1016/j.jcin.2014.04.015.
37. Distal macro- and microembolization during subintimal recanalization of femoropopliteal chronic total occlusions. Spiliopoulos S, Theodosiadou V, Koukounas V, Katsanos K, Diamantopoulos A, Kitrou P, Ravazoula P, Siablis D, **Karnabatidis D**. *J Endovasc Ther*. 2014 Aug;21(4):474-81. doi: 10.1583/14-4703.1.
38. Multiresolution edge detection using enhanced fuzzy c-means clustering for ultrasound image speckle reduction. Tsantis S, Spiliopoulos S, Skouroliahou A, **Karnabatidis D**, Hazle JD, Kagadis GC. *Med Phys*. 2014 Jul;41(7):072903. doi: 10.1118/1.4883815.
39. Feasibility of endovascular recanalization of occluded infrapopliteal drug-eluting stents. Spiliopoulos S, Theodosiadou V, Fragkos G, Diamantopoulos A, Katsanos K, Siablis D, **Karnabatidis D**. *J Endovasc Ther*. 2014 Jun;21(3):392-9.
40. Percutaneous nephrostomy in patients with advanced cancer. D. Siamplis, T. Petsas, S. Giarmenitis, C. Kalogeropoulou, **D. Karnabatidis**, J. Spiliotis. *Surg. Res. Comm*. 1995;18 (2):77-79
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Dimitrios Karnabatidis , March 2018