

## PUBLICATIONS - Univ.-Prof. Dr. med. Christine Espinola-Klein

195 publications in total (131 original articles, 64 review articles)

H-index, Scopus (31.01.2024) = 38

|                     | Number |
|---------------------|--------|
| Fist-/Senior Author | 79     |
| Co-Author           | 104    |
| Collaborator        | 11     |

**1. Espinola-Klein, C.**

Vascular diseases in diabetes patients: Special aspects of peripheral arterial disease (PAD) | Gefäßkrankungen bei Diabetes mellitus: Besonderheiten der PAVK (periphere arterielle Verschlusskrankheit)  
Diabetologie, 2024 in press

**Review article, First-/Senior-Author, Impact Factor 2022: 0,4**

2. Rammos C, Barco S, Behrendt CA, Brodmann M, Heiss C, **Espinola-Klein C**, Korosoglou G, Müller OJ  
The year in vascular medicine: Highlights in Vasa - European Journal of Vascular Medicine 2023.  
Vasa. 2024; 53:1-3. doi: 10.1024/0301-1526/a001107

**Review article, Co-Author, Impact Factor 2022: 2,3**

3. Marx N, Federici M, Schütt K, Müller-Wieland D, Crawford C, Eliasson B, **Espinola-Klein C**, Fauchier L, Halle M, Kautzky-Willer A, Lambrinou E, Lesiak M, Lettino M, Mullens W, Rocca B, Sattar N;  
ESC Guidelines for the management of diabetes. ESC Scientific Document Group.  
G Ital Cardiol 2024; 1e-103e. doi: 10.1714/4162.41558.

**Review article, Co-Author, Impact Factor 2022: 0,2**

4. Betge S, Engelbertz C, **Espinola-Klein C**, Ito W, Heiss C, Heilmeier B, Langhoff R, Malyar NM.  
Analysis of endovascular therapy for peripheral arterial disease in all German hospitals.  
Vasa. 2023; 52:366-378. doi: 10.1024/0301-1526/a001093.

**Original article, Co-Author, Impact Factor 2022: 2,3**

5. Krug J, Bochenek ML, Gogiraju R, Laubert-Reh D, Lackner KJ, Münzel T, Wild PS, **Espinola-Klein C**, Schäfer K.  
Circulating Soluble EPCR Levels Are Reduced in Patients with Ischemic Peripheral Artery Disease and Associated with Markers of Endothelial and Vascular Function.  
Biomedicines. 2023; 11:2459. doi: 10.3390/biomedicines11092459.

**Original article, Co-Author, Impact factor 2022: 4,8**

**6. Espinola-Klein C.**

Epidemiology and diagnosis of PAD  
Dtsch Med Wochenschr. 2023; 148: 1287-1292. doi: 10.1055/a-2017-7629.

**Review article, First-/Senior-Author, Impact Factor 2022: 0,7**

**7. Espinola-Klein C.**

Peripheral arterial disease  
Dtsch Med Wochenschr. 2023;148: 1273. doi: 10.1055/a-2009-6072.

**Editorial, First-/Senior-Author, Impact Factor 2022: 0,7**

8. Schmitt VH, Hobohm L, Sagoschen I, Sivanathan V, Hahad O, **Espinola-Klein C**, Münzel T, Keller K.  
Diabetes Mellitus and Its Association with Adverse In-Hospital Outcomes in Patients with COVID-19-A Nationwide Study.  
Viruses. 2023; 15:1627. doi: 10.3390/v15081627.

**Original article, Co-Author, Impact Factor 2022: 4,7**

9. Marx N, Federici M, Schütt K, Müller-Wieland D, Ajjan RA, Antunes MJ, Christodorescu RM, Crawford C, Di Angelantonio E, Eliasson B, **Espinola-Klein C**, Fauchier L, Halle M, Herrington WG, Kautzky-Willer A, Lambrinou E, Lesiak M, Lettino M, McGuire DK, Mullens W, Rocca B, Sattar N; ESC Scientific Document Group.  
2023 ESC Guidelines for the management of cardiovascular disease in patients with diabetes.  
Eur Heart J. 2023; 44: 4043-4140. doi: 10.1093/eurheartj/ehad192.  
**Review article, Co-Author, Impact factor 2022: 39,3**
  
10. Linnemann B, **Espinola-Klein C**.  
Thromboembolic disease - the angiologist's point of view  
Dtsch Med Wochenschr. 2023; 148: 890-898. doi: 10.1055/a-1825-7033.  
**Review article, First-/Senior-Author, Impact Factor 2022: 0,7**
  
11. Ten Cate V, Rapp S, Schulz A, Pallares Robles A, Jurk K, Koeck T, **Espinola-Klein C**, Halank M, Seyfarth HJ, Beutel ME, Schuster AK, Marini F, Hobohm L, Lankeit M, Lackner KJ, Ruf W, Münzel T, Andrade-Navarro MA, Prochaska JH, Konstantinides SV, Wild P  
Circulating microRNAs predict recurrence and death following venous thromboembolism.  
J Thromb Haemost. 2023; 21: 2797-2810. doi: 10.1016/j.jtha.2023.07.010.  
**Original article, Co-Author, Impact Factor 2022: 5,3**
  
12. Pallares Robles A, Ten Cate V, Lenz M, Schulz A, Prochaska JH, Rapp S, Koeck T, Leineweber K, Heitmeier S, Opitz CF, Held M, **Espinola-Klein C**, Lackner KJ, Münzel T, Konstantinides SV, Ten Cate-Hoek A, Ten Cate H, Wild PS  
Unsupervised clustering of venous thromboembolism patients by clinical features at presentation identifies novel endotypes that improve prognostic stratification.  
Thromb Res. 2023; 227: 71-81. doi: 10.1016/j.thromres.2023.04.023.  
**Original article, Co-Author, Impact Factor 2022: 10,4**
  
13. Meuli L, Stadlbauer T, Stähli BE, **Espinola-Klein C**, Zimmermann A, On Behalf Of The Patent Study Collaborators  
Preventing Lower Limb Graft Thrombosis after Infrainguinal Arterial Bypass Surgery with Antithrombotic Agents (PATENT Study): An International Expert Based Delphi Consensus.  
J Clin Med. 2023; 12: 3223. doi: 10.3390/jcm12093223.  
**Original article, Co-Author, Impact Factor 2022: 3,9**
  
14. Rother U, Dörr G, Malyar N, Müller OJ, Steinbauer M, Ito W, Cotta L, **Espinola-Klein C**, Heckenkamp J, Behrendt CA.  
How German vascular surgeons and angiologists judge walking exercise for patients with PAD.  
Vasa. 2023; 52: 224-229. doi: 10.1024/0301-1526/a001071.  
**Original article, Co-Author, Impact Factor 2022: 2,3**
  
15. Thieme M, Krankenberg H, Schilling T, Betge S, Korosoglou G, Rammos C, Vosseler M, **Espinola-Klein C**, Heilmeyer B, Müller OJ, Langhoff R, Malyar N, Blessing E, Caspary L, Linnemann B, Heiss C, Ito W  
Endovascular interventions in outpatient care. DGA – German Society of Angiology Board and ESVM – European Society of Vascular Medicine Board.  
Vasa. 2023; 52: 141-146. doi: 10.1024/0301-1526/a001067.  
**Review article, Co-Author, Impact Factor 2022: 2,3**
  
16. Keller K, Farmakis IT, Valerio L, Koelmel S, Wild J, Barco S, Schmidt FP, **Espinola-Klein C**, Konstantinides S, Münzel T, Sagoschen I, Hobohm L.  
Predisposing factors for admission to intensive care units of patients with COVID-19 infection-Results of the German nationwide inpatient sample.  
Front Public Health. 2023; 11:1113793. doi: 10.3389/fpubh.2023.1113793.  
**Original article, Co-Author, Impact Factor 2022: 5,2**

17. Keller K, Schmitt VH, Sagoschen I, Münzel T, **Espinola-Klein C**, Hobohm L  
CRB-65 for Risk Stratification and Prediction of Prognosis in Pulmonary Embolism.  
J Clin Med. 2023 Feb 5;12(4):1264. doi: 10.3390/jcm12041264.  
**Original article, Co-Author, Impact Factor 2022: 3,9**
  
18. Krabbe B, **Espinola-Klein C**, Malyar N, Brodmann M, Mazzolai L, Belch JJF, Müller OJ, Heiss C; DGA-German Society of Angiology Board; ESVM-European Society of Vascular Medicine Board.  
Health effects of e-cigarettes and their use for smoking cessation from a vascular perspective.  
Vasa. 2023; 52: 81-85. doi: 10.1024/0301-1526/a001056.  
**Review article, Co-Author, Impact Factor 2022: 2,3**
  
19. Keller K, Schmitt VH, Ostad MA, Münzel T, Hobohm L, **Espinola-Klein C**.  
Mansoor's Self-Report Tool for Cardiovascular Risk Assessment predicts adverse in-hospital events in patients with pulmonary embolism.  
Clin Respir J. 2022 Dec 21. doi: 10.1111/crj.13571.  
**Original article, First-/Senior-Author, Impact Factor 2022: 1,8**
  
20. Keller K, Schmitt VH, Hobohm LMA, Brochhausen C, Münzel T, **Espinola-Klein C**.  
Temporal Trends in Patients with Peripheral Artery Disease Influenced by COVID-19 Pandemic.  
J Clin Med. 2022 Oct 30;11(21):6433. doi: 10.3390/jcm11216433.PMID: 36362660  
**Original article, First-/Senior-Author, Impact Factor 2022: 3,9**
  
21. Schmitt VH, Keller K, Espinola-Klein C.  
Peripheral artery disease with diabetes mellitus.  
Dtsch Med Wochenschr. 2022 Nov;147(22):1433-1437. doi: 10.1055/a-1902-6778.  
**Review article, First-/Senior-Author, Impact Factor 2022: 0,7**
  
22. Espinola-Klein C, Weißer G, Schmitt V, Schwaderlapp M, Münzel T.  
Antithrombotic therapy in peripheral arterial disease.  
Front Cardiovasc Med. 2022 Oct 13;9:927645. doi: 10.3389/fcvm.2022.927645  
**Review article, First-/Senior-Author, Impact Factor 2022: 3,6**
  
23. Baidildinova G, Ten Cate V, Nagler M, Panova-Noeva M, Rapp S, Köck T, Prochaska JH, Heitmeier S, Gerdes C, Schwes S, Konstantinides SV, Münzel T, **Espinola-Klein C**, Lackner KJ, Spronk HMN, Ten Cate H, van der Meijden PEJ, Leineweber K, Wild PS, Jurk K.  
Subtype-specific plasma signatures of platelet-related protein releasate in acute pulmonary embolism.  
Thromb Res. 2022 Dec;220:75-87. doi: 10.1016/j.thromres.2022.10.005.  
**Original article, Co-Author, Impact Factor 2022: 10,4**
  
24. Gouëffic Y, Torsello G, Zeller T, Esposito G, Vermassen F, Hausegger KA, Tepe G, Thieme M, Gschwandtner M, Kahlberg A, Schindewolf M, Sapoval M, Diaz-Cartelle J, Stavroulakis K; EMINENT Investigators.  
Efficacy of a Drug-Eluting Stent Versus Bare Metal Stents for Symptomatic Femoropopliteal Peripheral Artery Disease: Primary Results of the EMINENT Randomized Trial.  
Circulation. 2022 Nov 22;146(21):1564-1576. doi: 10.1161/CIRCULATIONAHA.122.059606.  
**Original article, Collaborator, Impact Factor 2022: 39,9**
  
25. De Carlo M, Schlager O, Mazzolai L, Brodmann M, Espinola-Klein C, Staub D, Aboyans V, Sillesen H, Debus S, Venermo M, Belch J, Ferrari M, De Caterina R.  
Antithrombotic therapy following revascularization for chronic limb-threatening ischaemia: a European survey from the ESC Working Group on Aorta and Peripheral Vascular Diseases.  
Eur Heart J Cardiovasc Pharmacother. 2022 Oct 8;pvac055. doi: 10.1093/ehjcvp/pvac055.  
**Original article, Co-Author, Impact Factor 2022: 11,2**

26. Schmitt VH, Hobohm L, Vosseler M, Brochhausen C, Münzel T, **Espinola-Klein C**, Keller K.  
Temporal trends in patients with peripheral artery disease influenced by diabetes mellitus in Germany.  
J Diabetes. 2022 Oct;14(10):670-684. doi: 10.1111/1753-0407.13316.  
**Original article, Co-Author, Impact Factor 2022: 4,5**
  
27. Keller K, Sivanathan V, Schmitt VH, Ostad MA, Münzel T, **Espinola-Klein C**, Hobohm L.  
Incidence and impact of venous thromboembolism in hospitalized patients with Crohn's disease  
Thromb Res. 2022 Nov;219:77-85. doi: 10.1016/j.thromres.2022.09.009.  
**Original article, Co-Author, Impact Factor 2022: 10,4**
  
28. Hobohm L, Sagoschen I, Barco S, Farmakis IT, Fedeli U, Koelmel S, Gori T, **Espinola-Klein C**,  
Münzel T, Konstantinides S, Keller K  
COVID-19 infection and its impact on case-fatality in patients with pulmonary embolism.  
Eur Respir J. 2022 Aug 18:2200619. doi: 10.1183/13993003.00619-2022.  
**Original article, Co-Author, Impact Factor 2022: 24,9**
  
29. Bochenek ML, Gogiraju R, Großmann S, Krug J, Orth J, Reyda S, Georgiadis GS, Spronk HM,  
Konstantinides S, Münzel T, Griffin JH, Wild P, **Espinola-Klein C**, Ruf W, Schäfer K.  
EPCR-PAR1 biased signaling regulates perfusion recovery and neovascularization in peripheral  
ischemia  
JCI Insight. 2022 Jul 22;7(14):e157701. doi: 10.1172/jci.insight.157701.PMID: 35700057  
**Original article, Co-Author, Impact Factor 2022: 9,5**
  
30. Keller K, Prochaska JH, Coldewey M, Göbel S, Schmitt VH, Hahad O, Ullmann A, Nagler M,  
Lamparter H, **Espinola-Klein C**, Münzel T, Wild PS.  
Atherosclerosis and its impact on outcomes of patients with deep venous thrombosis.  
Life 2022;12: 734. doi: 10.3390/life12050734.  
**Original article, Co-Author, Impact Factor 2022: 3,3**
  
31. Espinola-Klein C, Weisser G.  
Konservative Therapie der peripheren arteriellen Verschlusskrankheit  
Internist 2022; 63:579-583. doi: 10.1007/s00108-022-01342-8  
**Review article, First-/Senior-Author, Impact Factor 2021: 0,8**
  
32. Jurk K, Rothenaicher KF, Gross K, Weisser G, Schmidtmann I, Münzel T, **Espinola-Klein C**  
Differential inhibition of platelet reactivity by dual therapy with aspirin and low-dose rivaroxaban in  
peripheral arterial disease – a pilot study  
Front Cardiovasc Med, 2022 <https://doi.org/10.3389/fcvm.2022.865166>  
**Original article, First-/Senior-Author, Impact Factor 2022: 3,6**
  
33. Keller K, Sagoschen I, Schmitt VH, Sivanathan V, **Espinola-Klein C**, Lavie CJ, Muenzel T, Hobohm L  
Obesity and Its Impact on Adverse In-Hospital Outcomes in Hospitalized Patients with COVID-19  
Front Endocrinol, 2022 | <https://doi.org/10.3389/fendo.2022.876028>  
**Original article, Co-Author, Impact Factor 2021: 4,9**
  
34. Pallares Robles A, Ten Cate V, Schulz A, Prochaska JH, Rapp S, Koeck T, Panova-Noeva M,  
Heitmeier S, Schwes S, Leineweber K, Seyfarth HJ, Opitz CF, Spronk H, **Espinola-Klein C**,  
Lackner KJ, Münzel T, Andrade-Navarro MA, Konstantinides SV, Ten Cate H, Wild PS.  
Association of FXI activity with thrombo-inflammation, extracellular matrix, lipid metabolism and  
apoptosis in venous thrombosis.  
Sci Rep. 2022;12(1):9761. doi: 10.1038/s41598-022-13174-5.  
**Original article, Co-Author, Impact Factor 2022: 5,0**

35. Mahé G, Brodmann M, Capodanno D, Ceriello A, Cuisset T, Delgado V, **Espinola-Klein C**, Johnson TW, Sprynger M, Sattar N, Schnell O, Valensi P.  
Current management and screening of peripheral and coronary artery disease in people with diabetes mellitus in Europe. The PADDIA/CADDIA survey.  
Diabetes Res Clin Prac 2022; 184: 109214. doi: 10.1016/j.diabres.2022.109214  
**Original article, Co-Author, Impact Factor 2022: 4,7**
  
36. Hobohm L, Sagoschen I, Barco S, Schmidtman I, **Espinola-Klein C**, Konstantinides S, Münzel T, Keller K.  
Trends and risk factors of in-hospital mortality of patients with COVID-19 in Germany: results of a large nationwide inpatient sample  
Viruses 2022, 14, 275. <https://doi.org/10.3390/v14020275>  
**Original article, Co-Author, Impact Factor 2022: 4,7**
  
37. **Espinola-Klein C**.  
When and How to Combine Antiplatelet and Anticoagulant Drugs?  
Hamostaseologie 2022; 42: 73–79  
**Review article, First-/Senior-Author, Impact Factor 2022: 2,1**
  
38. Koppe-Schmeißer F, Schwaderlapp M, Schmeißer J, Dopheide J, Münzel T, Daiber A, **Espinola-Klein C**  
Influence of Peripheral Transluminal Angioplasty Alongside Exercise Training on Oxidative Stress and Inflammation in Patients with Peripheral Arterial Disease.  
J Clin Med. 2021, 10(24), 5851  
**Original article, First-/Senior-Author, Impact Factor 2021: 5,0**
  
39. Keller K, Wöllner J, Schmitt VH, Ostad MA, Sagoschen I, Münzel T, **Espinola-Klein C**, Hobohm.  
Risk Factors for Pulmonary Embolism in Patients with Paralysis and Deep Venous Thrombosis.  
J Clin Med. 2021; 10: 5412. doi: 10.3390/jcm10225412  
**Original article, Co-Author, Impact Factor 2021: 5,0**
  
40. Keller K, Schmitt VH, Vosseler M, Brochhausen C, Münzel T, Hobohm L, **Espinola-Klein C**.  
Diabetes Mellitus and Its Impact on Patient-Profile and In-Hospital Outcomes in Peripheral Artery Disease.  
J Clin Med. 2021; 10: 5033. doi: 10.3390/jcm10215033  
**Original article, First-/Senior-Author, Impact Factor 2021: 5,0**
  
41. Keller K, Hobohm L, Ostad MA, Karbach S, **Espinola-Klein C**, Münzel T, Gelfand JM, Konstantinides SV, Steinbrink K, Gori T.  
Psoriasis and its impact on the clinical outcome of patients with pulmonary embolism.  
Int J Cardiol. 2021; 15: 343:114-121.  
**Original article, Co-Author, Impact Factor 2021: 4,2**
  
42. **Espinola-Klein C**.  
Antithrombotic therapy after peripheral revascularization  
Dtsch Med Wochenschr 2021; 146: 136-140  
**Review article, First-/Senior-Author, Impact Factor 2021**
  
43. Prochaska JH, Arnold N, Falcke A, Kopp S, Schulz A, Buch G, Moll S, Panova-Noeva M, Jünger C, Eggebrecht L, Pfeiffer N, Beutel M, Binder H, Grabbe S, Lackner KJ, Ten Cate-Hoek A, **Espinola-Klein C**, Münzel T, Wild PS.  
Chronic venous insufficiency, cardiovascular disease, and mortality: a population study.  
Eur Heart J. 2021; 42: 4157-4165.  
**Original article, Co-Author, Impact Factor 2021: 30,0**

44. Aboyans V, Bauersachs R, Mazzolai L, Brodmann M, Rodriguez Palomares JF, Debus S, Collet JP, Drexel H, **Espinola-Klein C**, Lewis BS, Roffi M, Sibbing D, Sillesen H, Stabile E, Schlager O, De Carlo M.  
Antithrombotic therapies in Aortic and Peripheral Arterial Diseases in 2021: a Consensus Document from the ESC Working Group on Aorta and Peripheral Vascular Diseases, the ESC Working Group on Thrombosis and the ESC Working Group on Cardiovascular Pharmacotherapy  
Eur Heart J 2021, 42:4013-4024.  
**Review article, Co-Author, Impact Factor 2021: 30,0**
  
45. Mazzolai L, Alatri A, Rivière AB, De Carlo M, Heiss C, **Espinola-Klein C**, Schlager O, Sillesen H, Staub D, Palomares JR, Verstraeten A, Aboyans V; WG on aorta and peripheral vascular diseases.  
Progress in aorta and peripheral cardiovascular disease research.  
Cardiovasc Res. 2021 Apr 22;cvab144. doi: 10.1093/cvr/cvab144. Online ahead of print.  
**Review article, Co-Author, Impact Factor 2021: 13,1**
  
46. **Espinola-Klein C**  
[48/m-Syncope during shopping : Preparation for the medical specialist examination: part 46].  
Internist (Berl). 2021 Apr 6. doi: 10.1007/s00108-021-01014-z. Online ahead of print.  
**Review article, First-/Senior-Author, Impact Factor 2021: 0,8**
  
47. Ten Cate V, Prochaska JH, Schulz A, Koeck T, Pallares Robles A, Lenz M, Eggebrecht L, Rapp S, Panova-Noeva M, Ghofrani HA, Meyer FJ, **Espinola-Klein C**, Lackner KJ, Michal M, Schuster AK, Strauch K, Zink AM, Laux V, Heitmeier S, Konstantinides SV, Münzel T, Andrade-Navarro MA, Leineweber K, Wild PS.  
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**Original article, Co-Author, Impact Factor 2021: 25,5**
  
48. Eggebrecht L, Ludolph P, Göbel S, Panova-Noeva M, Arnold N, Nagler M, Bickel C, Lauterbach M, Hardt R, Cate HT, Lackner KJ, **Espinola-Klein C**, Münzel T, Prochaska JH, Wild PS.  
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Sci Rep. 2021;11: 2577. doi: 10.1038/s41598-021-82076-9.  
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49. Barco S; Schmidtmann I; Ageno W; Anušić T; Bauersachs R; Becattini C; Bernardi E; Beyer-Westendorf J; Bonacchini L; Brachmann J; Christ M; Czihal M; Duerschmied D; Empen K; **Espinola-Klein C**; Ficker J; Fonseca C; Genth-Zotz S; Jimenez D; Harjola VP; Held M; Iogna PL; Lange T; Lankeit M; Manolis A; Meyer A; Münzel T; Mustonen P; Rauch-Kroehnert U; Ruiz-Artach P; Schellon S; Schwaiblmair M; Stahrenberg R; Valerio L; Westerweel P; Wild P; Konstantinides S  
Survival and Quality of Life after Early Discharge in Low-Risk Pulmonary Embolism  
Eur Respir J 2021, 57:2002368. doi: 10.1183/13993003.02368-2020  
**Original article, Co-Author, Impact Factor 2021: 33,8**
  
50. Horstick G, Messner L, Grundmann A, Yalcin S, Weisser G, **Espinola-Klein C**.  
Tissue-optical-perfusion-pressure (TOPP): A simplified, more reliable and faster assessment of pedal microcirculation in peripheral artery disease  
Am J Physiol Heart Circ Physiol 2020, 319: H1208-H1220.  
**Original article, First-/Senior-Author, Impact Factor 2020: 3,8**
  
51. Weissler EH, Schuyler Jones W, Desormais I, Debus S, Mazzolai L, **Espinola-Klein C**, Nikol S, Nehler M, Sillesen H, Aboyans V, Patel MR  
Polyvascular disease: A narrative review of current evidence and a consideration of the role of antithrombotic therapy.  
Atherosclerosis 2020; 315: 10-17.  
**Review article, Co-Author, Impact Factor 2020: 5,2**

52. Keller K, Göbel S, ten Cate V, Panova-Noeva M, Eggebrecht L, Nagler M, Coldewey M, Foebel M, Bickel C, Lauterbach M, **Espinola-Klein C**, Lackner K, ten Cate H, Münzel M, Wild PS, Prochaska JH  
Telemedicine-based specialized care improves the outcome of anticoagulated individuals with venous thromboembolism – Results from the thrombEVAL study.  
J Clin Med 2020, 9: 3281. doi: 10.3390/jcm9103281.  
**Original article, Co-Author, Impact Factor 2020: 4,2**
  
53. Nikol S, Mathias K, Olinic DM, Blinc A, **Espinola-Klein C**  
Aneurysms and Dissections - What is new in the Literature of 2019/2020  
VASA 2020, Aug;49(Suppl 104):1-36. doi: 10.1024/0301-1526/a000865  
**Review article, First-/Senior-Author, Impact Factor 2020: 1,9**
  
54. Göbel S, Prochaska JH, Tröbs S-O, Panova-Noeva M, **Espinola-Klein C**, Michal M, Lackner K, Gori T, Münzel T, Wild PS.  
Rationale, design and baseline characteristics of the MyoVasc study: A prospective cohort study investigating development and progression of heart failure  
Eur J Prev Cardiol 2020 May doi: 10.1177/2047487320926438  
**Original article, Co-Author, Impact Factor 2020: 7,8**
  
55. Bavalia R, Middeldorp S, Weisser G, **Espinola-Klein C**.  
Treatment of Venous Thromboembolism in Special Populations with Direct Oral Anticoagulants.  
Thromb Haemost 2020, 20: 899-911  
**Review article, First-/Senior-Author, Impact Factor 2020: 5,8**
  
56. Cate VT, Eggebrecht L, Schulz A, Panova-Noeva M, Lenz M, Koeck T, Rapp S, Arnold N, Lackner KJ, Konstantinides S, **Espinola-Klein C**, Münzel T, Prochaska JH, Wild PS.  
Isolated pulmonary embolism is associated with a high risk of arterial thrombotic disease - Results from the VTEval Study.  
Chest. 2020 Mar 23. pii: S0012-3692(20)30531-6. doi: 10.1016/j.chest.2020.01.055.  
**Original article, Co-Author, Impact Factor 2020: 9,4**
  
57. Lauterbach M, Urich E, Eggebrecht L, Göbel S, Panova-Noeva M, Nagler M, Ten Cate V, Bickel C, **Espinola-Klein C**, Münzel T, Wild PS, Prochaska JH.  
Specialized Management of Oral Anticoagulation Therapy Improves Outcome in Patients with Chronic Renal Insufficiency. J Clin Med. 2020 Feb 28;9(3). pii: E645.  
**Original article, Co-Author, Impact Factor 2020: 4,2**
  
58. **Espinola-Klein C**. Principles of angiology in lower extremity arterial disease (LEAD).  
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