

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

212 publications in total (138 original articles, 74 review articles)

H-index, Scopus (01.03.2025) = 42

|                  | First/Senior-Author | Co-Author | Collaborator | Total |
|------------------|---------------------|-----------|--------------|-------|
| Original article | 35                  | 91        | 12           | 138   |
| Review article   | 48                  | 26        | -            | 74    |
| Total            | 83                  | 117       | 12           | 212   |

1. **Espinola-Klein C**, Schellong S.  
[Interventions in vascular medicine].  
Inn Med 2025; 66: 247-248. doi: 10.1007/s00108-025-01875-8.  
**Review article, First/Senior-Author, Impact Factor 2023: 0,6**
2. **Espinola-Klein C**.  
Prevent peripheral arterial disease and remain alive!  
Eur Heart J. 2025; ehae934. doi: 10.1093/eurheartj/ehae934.  
**Review article, First/Senior-Author, Impact Factor 2023: 37,6**
3. Rammos C, Barco S, Behrendt CA, Belch J, Blessing E, Brodmann M, **Espinola-Klein C**, Heiss C, Korosoglou G, Schlager O, Müller OJ; editorial board of Vasa.  
The year in vascular medicine: Highlights in Vasa - European Journal of Vascular Medicine 2024.  
Vasa. 2025; 54: 1-4. doi: 10.1024/0301-1526/a001166.  
**Review article, Co-Author, Impact Factor 2023: 2,1**
4. Keller K, Sagoschen I, Schmitt VH, Sivanathan V, Farmakis IT, Hahad O, Koelmel S, Schmidt FP, **Espinola-Klein C**, Konstantinides S, Münzel T, Lurz P, Hobohm L.  
Risk factors for intensive care admission in childhood patients with COVID-19 - Results of the German nationwide inpatient sample.  
Respir Med. 2025; 236: 107880. doi: 10.1016/j.rmed.2024.107880.  
**Original article, Co-Author, Impact Factor 2023: 3,5**
5. Benzidia I, **Espinola-Klein C**.  
Moving a lot prevents the clot.  
Eur J Prev Cardiol. 2025 Jan 6;32(1):75-76. doi: 10.1093/eurjpc/zwae360.  
**Review article, First/Senior-Author, Impact Factor 2023: 8,4**
6. Schmitt VH, Hobohm L, Brochhausen C, **Espinola-Klein C**, Lurz P, Münzel T, Hahad O, Keller K.  
Sarcopenia Influences Clinical Outcome in Hospitalized Patients with Peripheral Artery Disease Aged 75 Years and Older.  
Ann Vasc Surg. 2025 Jan;110(Pt B):54-65. doi: 10.1016/j.avsg.2024.09.066.  
**Original article, Co-Author, Impact Factor 2023: 1,4**
7. Keller K, Sagoschen I, Farmakis IT, Mohr K, Valerio L, Wild J, Barco S, Schmidt FP, Gori T, **Espinola-Klein C**, Münzel T, Lurz P, Konstantinides S, Hobohm L.  
Intensive care treatment in acute pulmonary embolism in Germany, 2016 to 2020: a nationwide inpatient database study.  
Res Pract Thromb Haemost. 2024; 8: 102545. doi: 10.1016/j.rpth.2024.102545.  
**Original article, Co-Author, Impact Factor 2023: 2,7**
8. **Espinola-Klein C**.  
[Venous thromboembolism].  
Dtsch Med Wochenschr. 2024; 149:1179. doi: 10.1055/a-2231-2534.  
**Review article, First/Senior-Author, Impact Factor 2023: 0,6**

9. Keller K, Schmitt VH, Brochhausen C, Hahad O, Engelhardt M, **Espinola-Klein C**, Münzel T, Lurz P, Konstantinides S, Hobohm L.  
Sarcopenia influences usage of reperfusion treatment in patients with pulmonary embolism aged 75 years and older.  
Int J Cardiol Heart Vasc. 2024 Jul 19;53:101470. doi: 10.1016/j.ijcha.2024.101470.  
**Original article, Co-Author, Impact Factor 2023: 1,1**
  
10. Graafen D, Bart W, Halfmann MC, Müller L, Hobohm L, Yang Y, Neufang A, **Espinola-Klein C**, Pitton MB, Kloeckner R, Varga-Szemes A, Emrich T.  
In vitro and in vivo optimized reconstruction for low-keV virtual monoenergetic photon-counting detector CT angiography of lower legs.  
Eur Radiol Exp. 2024; 8: 89. doi: 10.1186/s41747-024-00481-x.  
**Original article, Co-Author, Impact Factor 2023: 4,7**
  
11. Keller K, Sivanathan V, Farmakis IT, Schmitt VH, **Espinola-Klein C**, Schmidt FP, Münzel T, Konstantinides S, Hobohm L.  
Incidence and impact of venous thromboembolism in hospitalized patients with acute pancreatitis.  
Dig Liver Dis. 2024; 56: 2085-2094. doi: 10.1016/j.dld.2024.06.023.  
**Original article, Co-Author, Impact Factor 2023: 2,4**
  
12. **Espinola-Klein C.**  
[Lower extremity arterial disease (LEAD)].  
Herz. 2024; 49: 313-318. doi: 10.1007/s00059-024-05252-3.  
**Review article, First/Senior-Author, Impact Factor 2023: 1,1**
  
13. Ray KK, Aguiar C, Arca M, Connolly DL, Eriksson M, Ferrières J, Laufs U, Mostaza JM, Nanchen D, Bardet A, Lamparter M, Chhabra R, Soronen J, Rietzschel E, Strandberg T, Toplak H, Visseren FLJ, Catapano AL; SANTORINI Study Investigators.  
Use of combination therapy is associated with improved LDL cholesterol management: 1-year follow-up results from the European observational SANTORINI study.  
Eur J Prev Cardiol. 2024; 31: 1792-1803. doi: 10.1093/eurjpc/zwae199.PMID: 38861400  
**Original article, Collaborator, Impact Factor 2023: 8,4**
  
14. Linnemann B, Beyer-Westendorf J, **Espinola-Klein C**, Mühlberg KS, Müller OJ, Klamroth R.  
Management of Deep Vein Thrombosis: An Update Based on the Revised AWMF S2k Guideline.  
Hamostaseologie. 2024; 44: 97-110. doi: 10.1055/a-2178-6574.  
**Review article, Co-Author, Impact Factor 2023: 1,7**
  
15. Keller K, Schmitt VH, Hahad O, **Espinola-Klein C**, Münzel T, Lurz P, Konstantinides S, Hobohm L.  
Categorization of Patients With Pulmonary Embolism by Charlson Comorbidity Index.  
Am J Med. 2024; 137: 727-735. doi: 10.1016/j.amjmed.2024.04.025.  
**Original article, Co-Author, Impact Factor 2023: 1,4**
  
16. Mazzolai L, Belch J, Venermo M, Aboyans V, Brodmann M, Bura-Rivière A, Debus S, **Espinola-Klein C**, Harwood AE, Hawley JA, Lanzi S, Madarič J, Mahé G, Malatesta D, Schlager O, Schmidt-Trucksäss A, Seenan C, Sillesen H, Tew GA, Visonà A.  
Exercise Therapy for Chronic Symptomatic Peripheral Artery Disease: A Clinical Consensus Document of the European Society of Cardiology Working Group on Aorta and Peripheral Vascular Diseases in Collaboration With the European Society of Vascular Medicine and the European Society for Vascular Surgery.  
Eur J Vasc Endovasc Surg. 2024: S1078-5884(24)00011-X. doi: 10.1016/j.ejvs.2024.01.009.  
**Review article, Co-Author, Impact Factor 2023: 2,1**

17. Mazzolai L, Belch J, Venermo M, Aboyans V, Brodmann M, Bura-Rivière A, Debus S, **Espinola-Klein C**, Harwood AE, Hawley JA, Lanzi S, Madarič J, Mahé G, Malatesta D, Schlager O, Schmidt-Trucksäss A, Seenan C, Sillesen H, Tew GA, Visonà A.  
Exercise therapy for chronic symptomatic peripheral artery disease.  
Eur Heart J. 2024; 45: 1303-1321. doi: 10.1093/eurheartj/ehad734.PMID: 38461405  
**Review article, Co-Author, Impact Factor 2023: 37,6**
  
18. Mazzolai L, Belch J, Venermo M, Aboyans V, Brodmann M, Bura-Rivière A, Debus S, **Espinola-Klein C**, Harwood AE, Hawley JA, Lanzi S, Madarič J, Mahé G, Malatesta D, Schlager O, Schmidt-Trucksäss A, Seenan C, Sillesen H, Tew GA, Visonà A.  
Exercise therapy for chronic symptomatic peripheral artery disease.  
Vasa. 2024; 53: 87-108. doi: 10.1024/0301-1526/a001112  
**Review article, Co-Author, Impact Factor 2023: 2,1**
  
19. **Espinola-Klein, C.**  
Vascular diseases in diabetes patients: Special aspects of peripheral arterial disease (PAD) | Gefäßserkrankungen bei Diabetes mellitus: Besonderheiten der PAVK (periphere arterielle Verschlusskrankheit)  
Diabetologie, 2024; 20: 293–302.  
**Review article, First-/Senior-Author, Impact Factor 2023: 0,7**
  
20. 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 2023: 2,1**
  
21. 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 2023: 0,4**
  
22. 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 2023: 2,1**
  
23. 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 2023: 3,9**
  
24. **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 2023: 0,6**
  
25. **Espinola-Klein C.**  
Peripheral arterial disease  
Dtsch Med Wochenschr. 2023;148: 1273. doi: 10.1055/a-2009-6072.  
**Editorial, First-/Senior-Author, Impact Factor 2023: 0,6**

26. 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 2023: 3,9**
  
27. 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 2023: 37,6**
  
28. 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 2023: 0,6**
  
29. 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 2023: 5,5**
  
30. 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 2023: 2,6**
  
31. 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 2023: 3,0**
  
32. 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 2023: 2,1**
  
33. 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 2023: 2,1**

34. 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 2023: 3,1**
  
35. 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 2023: 3,0**
  
36. 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 2023: 2,1**
  
37. 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**
  
38. 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**
  
39. 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**
  
40. **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**
  
41. 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**
  
42. 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**

43. 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**
  
44. 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**
  
45. 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**
  
46. 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**
  
47. 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**
  
48. 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**
  
49. **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**
  
50. Jurk K, Rothenaicher KF, Gross K, Weisser G, Schmidtman 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**
  
51. 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**

52. 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**
  
53. 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**
  
54. 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**
  
55. **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**
  
56. 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**
  
57. 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**
  
58. 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**
  
59. 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**
  
60. **Espinola-Klein C.** Antithrombotic therapy after peripheral revascularization *Dtsch Med Wochenschr* 2021; 146: 136-140  
**Review article, First-/Senior-Author, Impact Factor 2021**

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