

Thrombosis Research Group Core Publications 2022

1. Arnesen CAL, Veres K, Horvath-Puho E, Hansen JB, Sorensen HT, Braekkan SK. Estimated lifetime risk of venous thromboembolism in men and women in a Danish nationwide cohort: impact of competing risk of death. *Eur J Epidemiol.* 2022; **37**: 195-203. 10.1007/s10654-021-00813-w.
2. Damoah CE, Snir O, Hindberg K, Garred P, Ludviksen JK, Braekkan SK, Morelli VM, Mollnes TE, Hansen JB, Consortium I. High Levels of Complement Activating Enzyme MASP-2 Are Associated With the Risk of Future Incident Venous Thromboembolism. *Arterioscler Thromb Vasc Biol.* 2022; **42**: 1186-97. 10.1161/ATVBAHA.122.317746.
3. den Exter PL, Woller SC, Robert-Ebadi H, Masias C, Morange PE, Castelli D, Hansen JB, Geersing GJ, Siegal DM, de Wit K, Klok FA. Management of bleeding risk in patients who receive anticoagulant therapy for venous thromboembolism: Communication from the ISTH SSC Subcommittee on Predictive and Diagnostic Variables in Thrombotic Disease. *J Thromb Haemost.* 2022; **20**: 1910-9. 10.1111/jth.15776.
4. Evensen LH, Arnesen CAL, Rosendaal FR, Gabrielsen ME, Brumpton BM, Hveem K, Hansen JB, Braekkan SK. The Risk of Venous Thromboembolism Attributed to Established Prothrombotic Genotypes. *Thromb Haemost.* 2022; **122**: 1221-30. 10.1055/a-1698-6717.
5. Farmakis IT, Barco S, Hobohm L, Braekkan SK, Connors JM, Giannakoulas G, Hunt BJ, Keller K, Mavromanolis AC, Trincherio A, Konstantinides SV, Valerio L. Maternal mortality related to pulmonary embolism in the United States, 2003-2020. *Am J Obstet Gynecol MFM.* 2023; **5**: 100754. 10.1016/j.ajogmf.2022.100754.
6. Frischmuth T, Hindberg K, Aukrust P, Ueland T, Braekkan SK, Hansen JB, Morelli VM. Elevated plasma levels of plasminogen activator inhibitor-1 are associated with risk of future incident venous thromboembolism. *J Thromb Haemost.* 2022; **20**: 1618-26. 10.1111/jth.15701.
7. Frischmuth T, Hindberg K, Aukrust P, Ueland T, Braekkan SK, Hansen JB, Morelli VM. Plasma Levels of Leptin and Risk of Future Incident Venous Thromboembolism. *Thromb Haemost.* 2022; **122**: 560-9. 10.1055/s-0041-1732295.
8. Frischmuth T, Hindberg K, Gabrielsen ME, Brumpton B, Hveem K, Braekkan SK, Hansen JB, Morelli VM. Joint Effect of Multiple Prothrombotic Genotypes and Obesity on the Risk of Incident Venous Thromboembolism. *Thromb Haemost.* 2022; **122**: 267-76. 10.1055/a-1497-9777.
9. Grimnes G, Bhoelan S, Hindberg K, Davids M, Nieuwdorp M, Mollnes TE, Michelsen AE, Ueland T, Braekkan SK, Hansen JB, Tichelaar V. Impact of a Vancomycin-Induced Shift of the Gut Microbiome in a Gram-Negative Direction on Plasma Factor VIII:C Levels: Results from a Randomized Controlled Trial. *Thromb Haemost.* 2022; **122**: 540-51. 10.1055/s-0041-1733906.
10. Jakobsen L, Frischmuth T, Braekkan SK, Hansen JB, Morelli VM. Joint Effect of Multiple Prothrombotic Genotypes and Mean Platelet Volume on the Risk of Incident Venous Thromboembolism. *Thromb Haemost.* 2022; **122**: 1911-20. 10.1055/a-1863-2052.
11. Jorgensen CT, Tavoly M, Pettersen HH, Forsund E, Roaldsnes C, Olsen MK, Tjonnfjord E, Gleditsch J, Galovic AG, Vikum SF, Braekkan SK, Ghanima W. The venous thrombosis registry in Ostfold Hospital (TROLL registry) - design and cohort description. *Res Pract Thromb Haemost.* 2022; **6**: 10.1002/rth2.12770.
12. Jorgensen H, Horvath-Puho E, Laugesen K, Braekkan SK, Hansen JB, Sorensen HT. The Interaction Between Venous Thromboembolism and Socioeconomic Status on the Risk of Disability Pension. *Clin Epidemiol.* 2022; **14**: 489-500. 10.2147/CLEP.S361840.

13. Leknessund OGR, Morelli VM, Strand BH, Hansen JB, Braekkan SK. Hand grip strength and risk of incident venous thromboembolism: The Tromso study. *Res Pract Thromb Haemost.* 2022; **6**: e12833. 10.1002/rth2.12833.
14. Mishra A, Malik R, Hachiya T, Jurgenson T, Namba S, Posner DC, Kamanu FK, Koido M, Le Grand Q, Shi M, He Y, Georgakis MK, Caro I, Krebs K, Liaw YC, Vaura FC, Lin K, Winsvold BS, Srinivasasainagendra V, Parodi L, Bae HJ, Chauhan G, Chong MR, Tomppo L, Akinyemi R, Roshchupkin GV, Habib N, Jee YH, Thomassen JQ, Abedi V, Carcel-Marquez J, Nygaard M, Leonard HL, Yang C, Yonova-Doing E, Knol MJ, Lewis AJ, Judy RL, Ago T, Amouyel P, Armstrong ND, Bakker MK, Bartz TM, Bennett DA, Bis JC, Bordes C, Borte S, Cain A, Ridker PM, Cho K, Chen Z, Cruchaga C, Cole JW, de Jager PL, de Cid R, Endres M, Ferreira LE, Geerlings MI, Gasca NC, Gudnason V, Hata J, He J, Heath AK, Ho YL, Havulinna AS, Hopewell JC, Hyacinth HI, Inouye M, Jacob MA, Jeon CE, Jern C, Kamouchi M, Keene KL, Kitazono T, Kittner SJ, Konuma T, Kumar A, Lacaze P, Launer LJ, Lee KJ, Lepik K, Li J, Li L, Manichaikul A, Markus HS, Marston NA, Meitinger T, Mitchell BD, Montellano FA, Morisaki T, Mosley TH, Nalls MA, Nordestgaard BG, O'Donnell MJ, Okada Y, Onland-Moret NC, Ovbiagele B, Peters A, Psaty BM, Rich SS, Rosand J, Sabatine MS, Sacco RL, Saleheen D, Sandset EC, Salomaa V, Sargurupremraj M, Sasaki M, Satizabal CL, Schmidt CO, Shimizu A, Smith NL, Sloane KL, Sutoh Y, Sun YV, Tanno K, Tiedt S, Tatlisumak T, Torres-Aguila NP, Tiwari HK, Tregouet DA, Trompet S, Tuladhar AM, Tybjaerg-Hansen A, van Vugt M, Vibo R, Verma SS, Wiggins KL, Wennberg P, Woo D, Wilson PWF, Xu H, Yang Q, Yoon K, Consortium C, Consortium I, Dutch Parelsnoer Initiative Cerebrovascular Disease Study G, Estonian B, Consortium PQ, FinnGen C, Network NSG, Consortium M, Consortium S, China Kadoorie Biobank Collaborative G, Program VAMV, International Stroke Genetics C, Biobank J, Consortium C, Consortium G, Millwood IY, Gieger C, Ninomiya T, Grabe HJ, Jukema JW, Rissanen IL, Strbian D, Kim YJ, Chen PH, Mayerhofer E, Howson JMM, Irvin MR, Adams H, Wassertheil-Smoller S, Christensen K, Ikram MA, Rundek T, Worrall BB, Lathrop GM, Riaz M, Simonsick EM, Korv J, Franca PHC, Zand R, Prasad K, Frikke-Schmidt R, de Leeuw FE, Liman T, Haeusler KG, Ruigrok YM, Heuschmann PU, Longstreth WT, Jung KJ, Bastarache L, Pare G, Damrauer SM, Chasman DI, Rotter JJ, Anderson CD, Zwart JA, Niiranen TJ, Fornage M, Liaw YP, Seshadri S, Fernandez-Cadenas I, Walters RG, Ruff CT, Owolabi MO, Huffman JE, Milani L, Kamatani Y, Dichgans M, Debette S. Stroke genetics informs drug discovery and risk prediction across ancestries. *Nature.* 2022; **611**: 115-23. 10.1038/s41586-022-05165-3.
15. Osterud B, Latysheva N, Schoergenhofer C, Jilma B, Hansen JB, Snir O. A rapid, sensitive, and specific assay to measure TF activity based on chromogenic determination of thrombin generation. *J Thromb Haemost.* 2022; **20**: 866-76. 10.1111/jth.15606.
16. Ramberg C, Hindberg K, Biedermann JS, Cannegieter SC, van der Meer FJ, Snir O, Leebeek FWG, Kruip M, Hansen JB, Lijfering WM. Rosuvastatin treatment decreases plasma procoagulant phospholipid activity after a VTE: A randomized controlled trial. *J Thromb Haemost.* 2022; **20**: 877-87. 10.1111/jth.15626.
17. Sejrurp JK, Tondel BG, Morelli VM, Lochen ML, Njolstad I, Mathiesen EB, Wilsgaard T, Hansen JB, Braekkan SK. Joint effect of myocardial infarction and obesity on the risk of venous thromboembolism: The Tromso Study. *J Thromb Haemost.* 2022; **20**: 2342-9. 10.1111/jth.15812.
18. Snir O, Wilsgard L, Latysheva N, Wahlund CJE, Braekkan SK, Hindberg K, Hansen JB. Plasma levels of platelet-derived microvesicles are associated with risk of future venous thromboembolism. *J Thromb Haemost.* 2022; **20**: 899-908. 10.1111/jth.15638.
19. Thibord F, Klarin D, Brody JA, Chen MH, Levin MG, Chasman DI, Goode EL, Hveem K, Teder-Laving M, Martinez-Perez A, Aissi D, Daian-Bacq D, Ito K, Natarajan P, Lutsey PL, Nadkarni GN, de Vries PS, Cuellar-Partida G, Wolford BN, Pattee JW, Kooperberg C, Braekkan SK, Li-Gao R, Saut N, Sept C, Germain M, Judy RL, Wiggins KL, Ko D, O'Donnell CJ, Taylor KD, Giulianini F, De Andrade M, Nost TH, Boland A, Empana JP, Koyama S, Gilliland T, Do R, Huffman JE, Wang X, Zhou W, Manuel Soria J, Carlos Souto J, Pankratz N, Haessler J, Hindberg K, Rosendaal FR, Turman C, Olaso R, Kember RL,

Bartz TM, Lynch JA, Heckbert SR, Armasu SM, Brumpton B, Smadja DM, Jouven X, Komuro I, Clapham KR, Loos RJF, Willer CJ, Sabater-Lleal M, Pankow JS, Reiner AP, Morelli VM, Ridker PM, Vlieg AVH, Deleuze JF, Kraft P, Rader DJ, Global Biobank Meta-Analysis I, Estonian Biobank Research T, andMe Research T, Biobank J, Group CHW, Min Lee K, Psaty BM, Heidi Skogholt A, Emmerich J, Suchon P, Rich SS, Vy HMT, Tang W, Jackson RD, Hansen JB, Morange PE, Kabrhel C, Tregouet DA, Damrauer SM, Johnson AD, Smith NL. Cross-Ancestry Investigation of Venous Thromboembolism Genomic Predictors. *Circulation*. 2022; **146**: 1225-42. 10.1161/CIRCULATIONAHA.122.059675.

20. Tondel BG, Morelli VM, Hansen JB, Braekkan SK. Risk factors and predictors for venous thromboembolism in people with ischemic stroke: A systematic review. *J Thromb Haemost*. 2022; **20**: 2173-86. 10.1111/jth.15813.
21. Touw CE, Nemeth B, Lijfering WM, van Adrichem RA, Wilsgard L, Latysheva N, Ramberg C, Nelissen R, Hansen JB, Cannegieter SC. Effect of lower-leg trauma and knee arthroscopy on procoagulant phospholipid-dependent activity. *Res Pract Thromb Haemost*. 2022; **6**: e12729. 10.1002/rth2.12729.
22. Woller SC, de Wit K, Robert-Ebadi H, Masias C, Klok FA, den Exter PL, Morange PE, Castelli D, Hansen JB. A systematic review of biomarkers among hospitalized patients with COVID-19 predictive of venous thromboembolism: A communication from the Predictive and Diagnostic Variables Scientific and Standardization Committee of the ISTH. *Res Pract Thromb Haemost*. 2022; **6**: e12786. 10.1002/rth2.12786.