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Publikationer

ProtecT-2-D trial protocol: cardiovascular protection in patients with type 2 diabetes and established heart and/or vascular disease at a cardio-metabolic clinic—a randomized controlled trial

Overgaard, K. S., Mohamed, R. A., Andersen, T. R., Lambrechtsen, J., Egstrup, K. & Auscher, S., 8. jul. 2024, I: *Cardiovascular Diabetology*. 23, 1, s. 241

Statistical Analysis Plan for the AIRCARD Study: Individual Long-term Air and Noise Pollution Exposure and Cardiovascular Disease Incidence and Mortality (AIRCARD): A Prospective Cohort Study Utilizing DANCAVAS and VIVA Screening Trials

Mayntz, S. P., Mohamed, R. A., Mejldal, A., Møller, J.-J. K., Lindholt, J. S., Diederichsen, A. C. P., Frohn, L. M. & Lambrechtsen, J., 1. jul. 2024, (E-pub ahead of print) I: *Cardiology*.

Artificial Intelligence–Enabled Quantitative Coronary Plaque and Hemodynamic Analysis for Predicting Acute Coronary Syndrome

Koo, B. K., Yang, S., Jung, J. W., Zhang, J., Lee, K., Hwang, D., Lee, K. S., Doh, J. H., Nam, C. W., Kim, T. H., Shin, E. S., Chun, E. J., Choi, S. Y., Kim, H. K., Hong, Y. J., Park, H. J., Kim, S. Y., Husic, M., Lambrechtsen, J. & Jensen, J. M. & 40 flere, Nørgaard, B. L., Andreini, D., Maurovich-Horvat, P., Merkely, B., Penicka, M., de Bruyne, B., Ihdahid, A., Ko, B., Tzimas, G., Leipsic, J., Sanz, J., Rabbat, M. G., Katchi, F., Shah, M., Tanaka, N., Nakazato, R., Asano, T., Terashima, M., Takashima, H., Amano, T., Sobue, Y., Matsuo, H., Otake, H., Kubo, T., Takahata, M., Akasaka, T., Kido, T., Mochizuki, T., Yokoi, H., Okonogi, T., Kawasaki, T., Nakao, K., Sakamoto, T., Yonetsu, T., Kakuta, T., Yamauchi, Y., Bax, J. J., Shaw, L. J., Stone, P. H. & Narula, J., 15. maj 2024, (E-pub ahead of print) I: *JACC: Cardiovascular Imaging*.

Reply to: “Insulin resistance is an important index to assess glucose and insulin metabolism, but not a biological risk factor for high-risk coronary artery plaque composition”

Larsson, J., Auscher, S., Pararajasingam, G., Heinsen, L. J., Andersen, T. R., Lambrechtsen, J. & Egstrup, K., maj 2024, I: *Atherosclerosis*. 392, 117524.

User-defined outcomes of the Danish cardiovascular screening (DANCAVAS) trial: A post hoc analyses of a population-based, randomised controlled trial

Diederichsen, A. C. P., Mejldal, A., Søgaaard, R., Hallas, J., Lambrechtsen, J., Steffensen, F. H., Frost, L., Egstrup, K., Busk, M., Urbonaviciene, G., Karon, M., Rasmussen, L. M. & Lindholt, J. S., maj 2024, I: *PLoS Medicine*. 21, 5, 14 s., e1004403.

Study Protocol for the AIRCARD Study: A Prospective Cohort Study Utilizing DANCAVAS and VIVA Screening Trials: AIRCARD

Mayntz, S. P., Mohamed, R. A., Mejldal, A., Møller, J.-J. K., Lindholt, J., Diederichsen, A., Frohn, L. M., Brandt, J., Ketznel, M., Khan, J. & Lambrechtsen, J., 18. mar. 2024

Effects of Vitamin K2 and D Supplementation on Coronary Artery Disease in Men: A RCT

Hasifc, S., Oevrehus, K. A., Lindholt, J. S., Mejldal, A., Dey, D., Dahl, J. S., Frandsen, N. E., Auscher, S., Lambrechtsen, J., Hosbond, S., Alan, D., Urbonaviciene, G., Becker, S., Rasmussen, L. M. & Diederichsen, A. P., nov. 2023, I: *JACC: Advances*. 2, 9, 12 s., 100643.

Insulin resistance is associated with high-risk coronary artery plaque composition in asymptomatic men between 65 and 75 years and no diabetes: A DANCAVAS cross-sectional sub-study

Larsson, J., Auscher, S., Shamoun, A., Pararajasingam, G., Heinsen, L. J., Andersen, T. R., Lindholt, J. S., Diederichsen, A. C. P., Lambrechtsen, J. & Egstrup, K., nov. 2023, I: *Atherosclerosis*. 385, 10 s., 117328.

Does prediabetes diagnosed by hemoglobinA1c or oral glucose tolerance test predict coronary artery disease in patients suspected of chronic coronary syndrome?

Overgaard, K. S., Rueskov Andersen, T., Mohamed, R. A., Heinsen, L., Binderup, H., Möller, S., Auscher, S., Lambrechtsen, J. & Egstrup, K., 26. aug. 2023.

Effects of vitamins K2 and D3 supplementation in patients with severe coronary artery calcification: a study protocol for a randomised controlled trial

Hasific, S., Øvrehus, K. A., Hosbond, S., Lambrechtsen, J., Kumarathurai, P., Mejlidal, A., Ravn, E. J., Rasmussen, L. M., Gerke, O., Mickley, H. & Diederichsen, A., 14. jul. 2023, I: *BMJ Open*. 13, 7, 6 s., 073233.

Can prediabetes diagnosed using HemoglobinA1c or oral glucose tolerance test predict presence and severity of coronary artery disease in symptomatic patients?

Overgaard, K. S., Andersen, T. R., Mohamed, R. A., Heinsen, L. J., Binderup, H. G., Möller, S., Auscher, S., Lambrechtsen, J. & Egstrup, K., 21. jun. 2023, I: *Diabetes and Vascular Disease Research*. 20, 3

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Heinsen, L. J., Pararajasingam, G., Andersen, T. R., Auscher, S., Sheta, H. M., Precht, H., Engdam, K. B., Hangaard, J., Lambrechtsen, J., Knop, F. K. & Egstrup, K., 28. apr. 2023, I: *BMC Cardiovascular Disorders*. 23, 8 s., 214.

The association between diabetes and abdominal aortic aneurysms in men: results of two Danish screening studies, a systematic review, and a meta-analysis of population-based screening studies

Larsen, K. L., Kavaliunaite, E., Rasmussen, L. M., Hallas, J., Diederichsen, A., Steffensen, F. H., Busk, M., Frost, L., Urbonaviciene, G., Lambrechtsen, J., Egstrup, K. & Lindholt, J. S., 16. mar. 2023, I: *BMC Cardiovascular Disorders*. 23, 11 s., 139.

Combining Hi-resolution scan mode with deep learning reconstruction algorithms in cardiac CT

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Cost effectiveness of population screening vs. no screening for cardiovascular disease: the Danish Cardiovascular Screening trial (DANCAVAS)

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Five-year outcomes of the Danish Cardiovascular Screening (DANCAVAS) trial

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Is There Any Improvement in Image Quality in Obese Patients When Using a New X-ray Tube and Deep Learning Image Reconstruction in Coronary Computed Tomography Angiography?

Pfeffer, A. S. B., Mørup, S. D., Andersen, T. R., Mohamed, R. A. & Lambrechtsen, J., 13. sep. 2022, I: *Life*. 12, 9, 13 s., 1428.

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Vitamin K2 and D in Patients With Aortic Valve Calcification: A Randomized Double-Blinded Clinical Trial

Diederichsen, A. C. P., Lindholt, J. S., Möller, S., Øvrehus, K. A., Auscher, S., Lambrechtsen, J., Hosbond, S. E., Alan, D. H., Urbonaviciene, G., Becker, S. W., Fredgart, M. H., Hasific, S., Folkestad, L., Gerke, O., Rasmussen, L. M., Møller, J. E., Mickley, H. & Dahl, J. S., 3. maj 2022, I: *Circulation*. 145, 18, s. 1387-1397

Dual-energy CT plaque characteristics of post mortem thin-cap fibroatheroma in comparison to infarct-related culprit lesions

Sheta, H. M., Precht, H., Busk, C. A. G. R., Heinsen, L. J., Nieman, K., Egstrup, K. & Lambrechtsen, J., mar. 2022, I: *Heart and Vessels*. 37, 3, s. 400-410

Association of Left Atrial Size Measured by Non-Contrast Computed Tomography with Cardiovascular Risk Factors: The Danish Cardiovascular Screening Trial (DANCAVAS)

Fredgart, M. H., Lindholt, J. S., Brandes, A., Steffensen, F. H., Frost, L., Lambrechtsen, J., Karon, M., Busk, M., Urbonaviciene, G., Egstrup, K., Khurrami, L., Gerke, O. & Diederichsen, A. C. P., feb. 2022, I: *Diagnostics*. 12, 2, 12 s., 244.

Aortic valve calcification among elderly males from the general population, associated echocardiographic findings, and clinical implications

Khurrami, L., Møller, J. E., Lindholt, J. S., Dahl, J. S., Fredgart, M. H., Obel, L. M., Steffensen, F. H., Urbonaviciene, G., Lambrechtsen, J. & Diederichsen, A. C. P., 24. jan. 2022, I: *European Heart Journal - Cardiovascular Imaging*. 23, 2, s. 177-184

Mitral Annulus Calcification and Cardiac Conduction Disturbances: A DANCAVAS Sub-study

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Prognostic value of myocardial perfusion imaging after first-line coronary computed tomography angiography: A multi-center cohort study

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Prevalence and extent of coronary artery calcification in the middle-aged and elderly population

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Øvrehus, K. A., Diederichsen, A., Grove, E. L., Steffensen, F. H., Mortensen, M. B., Jensen, J. M., Mickley, H., Nielsen, L. H., Busk, M., Sand, N. P. R., Lambrechtsen, J., Riis, A. H., Andersen, I. T., Bøtker, H. E. & Nørgaard, B. L., dec. 2021, I: *J A C C: Cardiovascular Imaging*. 14, 12, s. 2400-2410

Cross-sectional study of aortic valve calcification and cardiovascular risk factors in older Danish men

Khurrami, L., Møller, J. E., Lindholt, J. S., Urbonaviciene, G., Steffensen, F. H., Lambrechtsen, J., Karon, M., Frost, L., Buske, M., Egstrup, K., Fredgart, M. H. & Diederichsen, A. C. P., okt. 2021, I: *Heart*. 107, 19, s. 1536-1543

High-risk coronary artery plaque in asymptomatic patients with type 2 diabetes: clinical risk factors and coronary artery calcium score

Heinsen, L. J., Pararajasingam, G., Andersen, T. R., Auscher, S., Sheta, H. M., Precht, H., Lambrechtsen, J. & Egstrup, K., 9. aug. 2021, I: *Cardiovascular Diabetology*. 20, 11 s., 164.

Population-Based Risk Factors for Ascending, Arch, Descending, and Abdominal Aortic Dilations for 60-74-Year-Old Individuals

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Characteristics of culprit lesion in patients with non-ST-elevation myocardial infarction and improvement of diagnostic utility using dual energy cardiac CT

Sheta, H. M., Möller, S., Heinsen, L. J., Nieman, K., Thomsen, T., Egstrup, K. & Lambrechtsen, J., maj 2021, I: *The International Journal of Cardiovascular Imaging*. 37, 5, s. 1781-1788

Prognostic importance of left atrial size measured by non-contrast cardiac computed tomography - A DANCAVAS study
Fredgart, M. H., Lindholt, J. S., Brandes, A., Steffensen, F. H., Frost, L., Lambrechtsen, J., Karon, M., Busk, M., Urbonaviciene, G., Egstrup, K. & Diederichsen, A. C. P., 1. apr. 2021, I: *International Journal of Cardiology*. 328, s. 220-226

Individual, expected diameters of the ascending aorta and prevalence of dilations in a study-population aged 60-74 years: a DANCAVAS substudy

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Relation between Accumulated Air Pollution Exposure and Sub-Clinical Cardiovascular Disease in 33,723 Danish 60-74-Year-Old Males from the Background Population (AIR-CARD): A Method Article

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Extent of arterial calcification by conventional vitamin K antagonist treatment

Hasific, S., Øvrehus, K. A., Gerke, O., Hallas, J., Busk, M., Lambrechtsen, J., Urbonaviciene, G., Sand, N. P. R., Nielsen, J. S., Diederichsen, L., Pedersen, K. B., Carter-Storch, R., Ilangkovan, N., Mickley, H., Rasmussen, L. M., Lindholt, J. S. & Diederichsen, A., 29. okt. 2020, I: *PLOS ONE*. 15, 10, 14 s., e0241450.

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Survival, prevalence, progression and repair of abdominal aortic aneurysms: Results from three randomised controlled screening trials over three decades

Lindholt, J. S., Diederichsen, A. C., Rasmussen, L. M., Frost, L., Steffensen, F. H., Lambrechtsen, J., Urbonaviciene, G., Busk, M., Egstrup, K., Kristensen, K. L., Andersen, C. B. & Sjøgaard, R., 1. jan. 2020, I: *Clinical Epidemiology*. 12, s. 95-103

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Baseline Findings in the Danish Cardiovascular Screening (Dancavas) Trial – A Multifaceted and Multicenter Randomized Controlled Clinical Screening and Interventional Trial of 65–74 Year Old Men

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Risk of arterial calcification by conventional vitamin K antagonist treatment

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Functional and Anatomical Testing in Intermediate Risk Chest Pain Patients with a High Coronary Calcium Score: Rationale and Design of the FACC Study

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Baseline findings of the population-based, randomized, multifaceted Danish cardiovascular screening trial (DANCAVAS) of men aged 65-74 years

Lindholt, J. S., Rasmussen, L. M., Søgaard, R., Lambrechtsen, J., Steffensen, F. H., Frost, L., Egstrup, K., Urbonaviciene, G., Busk, M., Olsen, M. H., Hallas, J. & Diederichsen, A. C., jun. 2019, I: *British Journal of Surgery*. 106, 7, s. 862-871

Individual preferences on the balancing of good and harm of cardiovascular disease screening

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A novel alignment procedure to assess calcified coronary plaques in histopathology, post-mortem computed tomography angiography and optical coherence tomography

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Changes in the Protective Effect of Diabetes on Abdominal Aortic Aneurysms: Results of Two Large National Screening Studies and a Meta-analysis of Population-based Screening Studies

Kristensen, K. L., Kavaliunaite, E., Rasmussen, L. M., Diederichsen, A. C. P., Hald Steffensen, F., Busk, M., Frost, L., Urbonaviciene, G., Lambrechtsen, J., Egstrup, K. & Lindholt, J. S., 2019, I: *European Journal of Vascular and Endovascular Surgery*. 58, 6 Suppl. 3, s. E552-E553

Comparison of Risk Factor Profiles of Ascending and Descending Aortic dilatations. A Substudy from the Population-Based Randomized Dancavas Trial

Møllegaard Obel, L., Diederichsen, A. C. P., Hald Steffensen, F., Lambrechtsen, J., Busk, M., Urbonaviciene, G., Egstrup, K., Sarkisian Bøvling, A. & Lindholt, J. S., 2019, I: *European Journal of Vascular and Endovascular Surgery*. 58, 6 Suppl. 1, s. e120-e121

Prevalence of Ascending Thoracic Aortic Ectasies and Aneurysms Based Upon Absolute and Individual Predicted Normal Aortic Size. A Substudy from the Population-Based Randomized Dancavas Trial

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Relative Aortic Size and its Consequences of a Population-Based Prevalence of Abdominal Aortic Aneurysms – A Substudy from the Randomized Dancavas Trial

Sarkisian Bøvling, A., Diederichsen, A. C. P., Hald Steffensen, F., Lambrechtsen, J., Frost, L., Busk, M., Urbonaviciene, G., Egstrup, K., Møllegaard Obel, L. & Lindholt, J. S., 2019, I: *European Journal of Vascular and Endovascular Surgery*. 58, 6 Suppl. 1, s. e145 1 s.

Reduction in radiation exposure in cardiovascular computed tomography imaging: results from the PROspective multicenter registry on radiaTion dose Estimates of cardiac CT angiOgraphy iN daily practice in 2017 (PROTECTION VI)

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Aortic valve calcification in a general population

Khurrami, L., Lindholt, J. S., Fredgart, M. H., Steffensen, F. H., Frost, L., Lambrechtsen, J., Busk, M., Urbonaviciene, G., Egstrup, K., Moeller, J. & Diederichsen, A. C. P., 1. aug. 2018, I: *European Heart Journal*. 39, Suppl. 1, s. 1259 1 s.

Baseline findings of the population-based, randomized danish cardiovascular screening trial (DANCAVAS)

Diederichsen, A. C. P., Rasmussen, L. M., Sogaard, R., Lambrechtsen, J., Steffensen, F. H., Frost, L., Busk, M., Egstrup, K., Urbonaviciene, G., Mickley, H., Hallas, J., Olsen, M. H. & Lindholt, J. S., 1. aug. 2018, I: European Heart Journal. 39, Suppl. 1, s. 290-291 2 s.

Effects of menaquinone-7 supplementation in patients with aortic valve calcification: study protocol for a randomised controlled trial

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External validity of a cardiovascular screening including a coronary artery calcium examination in middle-aged individuals from the general population

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The association between uric acid levels and different clinical manifestations of coronary artery disease

Larsen, T. R., Gerke, O., Diederichsen, A. C. P., Lambrechtsen, J., Steffensen, F. H., Sand, N. P., Saaby, L., Antonsen, S. & Mickley, H., maj 2018, I: Coronary Artery Disease. 29, 3, s. 194-203

Correction: Prevalence of coronary artery calcification in a non-specific chest pain population in emergency and cardiology departments compared with the background population: A prospective cohort study in Southern Denmark with 12-month follow-up of cardiac endpoints

Ilangkovan, N., Mogensen, C. B., Mickley, H., Lassen, A. T., Lambrechtsen, J., Sand, N. P. R., Albinussen, R., Byg, J., Hald, F., Grønhøj, M. H. & Diederichsen, A., 22. mar. 2018, I: BMJ Open. 8, 3, 1 s., e018391corr1.

Prevalence of coronary artery calcification in a non-specific chest pain population in emergency and cardiology departments compared with the background population: A prospective cohort study in Southern Denmark with 12-month follow-up of cardiac endpoints

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High Proportions of Coexisting Aortic Dilations Call for Total Aortic Scan

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Aktiviteter

Optimisation of post mortem coronary computed tomography angiography compared to histopathology using a novel alignment procedure

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