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## Main research areas

Cardiovascular imaging and microcirculation in diabetes:

Clinical studies investigating biomarkers and screening methods to identify subjects at highest risk of cardiovascular disease. Focus is new approaches to identify early stages of micro- and macrovascular disease using recent advances in technology.

## Employment

### Senior Researcher

Steno Diabetes Center Copenhagen  
The Capital Region of Denmark  
Herlev, Denmark  
1 Jan 2017 → present

## Publications

### **Ambulatory blood pressure monitoring, European guideline targets, and cardiovascular outcomes: an individual patient data meta-analysis**

International Database of Ambulatory Blood Pressure in Relation to Cardiovascular Outcomes Investigators, 18 Apr 2025, (E-pub ahead of print) In: European Heart Journal.

### **Sex differences in myocardial flow reserve among individuals with type 2 diabetes: insights from the DiaHeart study**

Skriver-Møller, A.-C., Hasbak, P., Rasmussen, I. K. B., Blond, M. B., Wasehuus, V. S., Lassen, M. C. H., Lindhardt, M., Kofoed-Enevoldsen, A., Kielgast, U. L., Zobel, E. H., Goetze, J. P., Holmvang, L., Biering-Sørensen, T., Rossing, P., Kjaer, A., Ripa, R. S. & Hansen, T. W., 18 Apr 2025, In: Cardiovascular Diabetology. 24, 1, p. 172-172.

### **Combining SGLT2is, GLP1-RAs and nsMRAs in Diabetes: A Scoping Review of Current and Future Perspectives**

Stougaard, E. B., Curovic, V. R. & Hansen, T. W., 15 Mar 2025, (E-pub ahead of print) In: Diabetes Therapy. e078242.

### **Advances in Imaging Techniques for Assessing Myocardial Microcirculation in People with Diabetes: An Overview of Current Techniques, Emerging Techniques, and Clinical Applications**

Hansen, T. W. & Ripa, R. S., 6 Mar 2025, (E-pub ahead of print) In: Diabetes Therapy. 117280.

### **Effect of spironolactone wash-out on albuminuria after long-term treatment in individuals with type 2 diabetes and high risk of kidney disease-An observational follow-up of the PRIORITY study**

Wasehuus, V., Rotbain Curovic, V., Tofte, N., Lindhardt, M., Currie, G., Delles, C., Frimodt-Møller, M., Mischak, H., von der Leyen, H., Hansen, T. W., Kümler, T., Persson, F., Rossing, P. & PRIORITY study group, Jan 2025, In: Diabetes, Obesity and Metabolism. 27, 1, p. 387-393 7 p.

### **Kidney fat by magnetic resonance spectroscopy in type 2 diabetes with chronic kidney disease**

Heinrich, N. S., Pedersen, R. P., Vestergaard, M. B., Lindberg, U., Andersen, U. B., Haddock, B., Fornoni, A., Larsson, H. B. W., Rossing, P. & Hansen, T. W., Jan 2025, In: Journal of Diabetes and its Complications. 39, 2, 108923.

### **Possible Glycemic Effects of Vagus Nerve Stimulation Evaluated by Continuous Glucose Monitoring in People with Diabetes and Autonomic Neuropathy: A Randomized, Sham-Controlled Trial**

Kufaiishi, H., Bertoli, D., Kornum, D. S., Ranjan, A. G., Nørgaard, K., Krogh, K., Brock, B., Okdahl, T., Frøkjær, J. B., Drewes, A. M., Brock, C., Krag Knop, F., Hansen, T. W., Hansen, C. S. & Rossing, P., Jan 2025, In: Diabetes Technology

& Therapeutics. 27, 1, p. 52-59 8 p.

**The associations between functional vitamin K status and all-cause mortality, cardiovascular disease and end-stage kidney disease in persons with type 1 diabetes**

Friis Bryde Nielsen, C., Møller Thysen, S., Bach Kampmann, F., Hansen, T. W., Jørgensen, N. R., Tofte, N., Abitz Winther, S., Theilade, S., Rossing, P., Frimodt-Møller, M. & Linneberg, A., Jan 2025, In: Diabetes, Obesity and Metabolism. 27, 1, p. 348-356 9 p.

**Effects of probiotics and fibers on markers of nephropathy, inflammation, intestinal barrier dysfunction and endothelial dysfunction in individuals with type 1 diabetes and albuminuria. The ProFOS Study**

Stougaard, E. B., Tougaard, N. H., Sivalingam, S., Hansen, C. S., Størling, J., Hansen, T. W., Frimodt-Møller, M., Steinert, R. E., Varasteh, S., Groop, P.-H., Salmenkar, H., Lehto, M. J., Persson, F. & Rossing, P., Dec 2024, In: Journal of Diabetes and its Complications. 38, 12, p. 108892 108892.

**Prognosis for Type 1 Diabetes with Diabetic Nephropathy between 2000 and 2020 - Changes in Kidney Function Decline Over Time and Development of Cardiovascular Disease, Kidney Failure, and Mortality**

Poulsen, C. G., Jesse, K., Carstensen, B., Frimodt-Møller, M., Hansen, T. W., Persson, F., Vistisen, D. & Rossing, P., Dec 2024, In: Kidney International Reports. 9, 12, p. 3403-3413 11 p.

**Is calculation of a home blood pressure-based stability score a tool to improve risk stratification in clinical practice?**

Hansen, T. W., 4 Nov 2024, In: Hypertension research : official journal of the Japanese Society of Hypertension.

**Cardiovascular and non-renal complications of chronic kidney disease: Managing risk**

Rossing, P., Hansen, T. W. & Kümler, T., Nov 2024, In: Diabetes, Obesity and Metabolism. 26, S6, p. 13-21 9 p.

**Endothelial dysfunction markers syndecan-1 and thrombomodulin are associated with higher albuminuria levels in type 2 diabetes with no history of clinical cardiovascular disease**

Ferreira-Divino, L. F., Poulsen, C. G., Rotbain Curovic, V., Pedersen, O. B., Tofte, N., Frimodt-Møller, M., Hansen, T. W., Hvas, A.-M. & Rossing, P., Nov 2024, In: Journal of Diabetes and its Complications. 38, 11, p. 108879 108879.

**Presence of neuropathy in children and adolescents with type 1 diabetes evaluated with bedside modalities**

Damm, J. A., Dalgas-Madsen, A., Hansen, C. S., Pilgaard, K. A., Pociot, F., Hansen, T. W. & Johannesen, J., Nov 2024, In: Journal of Diabetes and its Complications. 38, 11, p. 108873 108873.

**Slowing the progression of diabetic and non-diabetic kidney disease: A summary of the current evidence base for sodium-glucose co-transporter-2 inhibitors**

Rotbain Curovic, V., Stougaard, E. B. & Hansen, T. W., Nov 2024, In: Diabetes, Obesity and Metabolism. 26, S6, p. 22-32 11 p.

**Associations Between Arterial Stiffness and Metabolic Target in Children and Adolescents With Type 1 Diabetes Treated in a Modern Setting**

Damm, J. A., Dalgas-Madsen, A., Bech, A. M. K., Pilgaard, K. A., Pociot, F., Hansen, T. W. & Johannesen, J., 26 Oct 2024, In: Pediatric Diabetes. 2024, 5528717.

**Urinary proteomic signature of mineralocorticoid receptor antagonism by spironolactone: evidence from the HOMAGE trial**

HOMAGE investigators, 16 Sept 2024, In: Heart (British Cardiac Society). 110, 19, p. 1180-1187 8 p., heartjnl-2023-323796.

**Contemporary prevalence of diabetic neuropathies in individuals with type 1 and type 2 diabetes in a Danish tertiary outpatient clinic**

Mizrak, H. I., Kufaiishi, H., Hecquet, S. K., Hansen, T. W., Pop-Busui, R., Rossing, P., Brock, B. & Hansen, C. S., Jun 2024, In: Journal of Diabetes and its Complications. 38, 6, p. 108761 108761.

**Extracellular matrix turnover proteins as risk markers in people with type 2 diabetes and microalbuminuria**

Skriver-Møller, A.-C., Møller, A. L., Blond, M. B., Rasmussen, D. G. K., Genovese, F., Reinhard, H., von Scholten, B. J., Jacobsen, P. K., Parving, H.-H., Karsdal, M. A., Hansen, T. W. & Rossing, P., Jun 2024, In: Journal of Diabetes and its Complications. 38, 6, 108765.

**Performance of new and panel CKD-EPI equations in European adults with type 2 diabetes**

Iversen, E., Christensen, K. M., Walls, A. B., Eickhoff, M. K., von Scholten, B. J., Frimodt-Møller, M., Hansen, T. W., Persson, F., Rossing, P., Rotbain Curovic, V. & Houliind, M. B., Jun 2024, In: Diabetes, Obesity and Metabolism. 26, 6, p. 2501-2504 4 p.

**Gastrointestinal symptom burden in diabetic autonomic and peripheral neuropathy - A Danes cohort study**

Kufaiishi, H., Mizrak, H. I., Brock, B., Hansen, T. W., Rossing, P. & Hansen, C. S., May 2024, In: Journal of Diabetes and its Complications. 38, 5, p. 108745 108745.

**Circulating metabolomic markers in association with overall burden of microvascular complications in type 1 diabetes**

Rotbain Curovic, V., Sørland, B. A., Hansen, T. W., Jain, S. Y., Sulek, K., Mattila, I. M., Frimodt-Møller, M., Trost, K., Legido-Quigley, C., Theilade, S., Tofte, N., Winther, S. A., Hansen, C. S., Rossing, P. & Ahluwalia, T. S., 11 Apr 2024, In: BMJ open diabetes research & care. 12, 2, e003973.

**Increased sub-clinical coronary artery pathology in type 2 diabetes with albuminuria**

Rasmussen, I. K. B., Skriver-Moeller, A.-C., Ripa, R. S., Hasbak, P., Wasehuus, V. S., Hadji-Turdeghal, K., Zobel, E. H., Lassen, M. L., Holmvang, L., Slomka, P., Rossing, P., Kjaer, A. & Hansen, T. W., 1 Mar 2024, In: Diabetes. 73, 3, p. 490-496 7 p.

**Albuminuria-lowering effect of adding semaglutide on top of empagliflozin in individuals with type 2 diabetes: A randomized and placebo-controlled study**

Sivalingam, S., Wasehuus, V. S., Rotbain Curovic, V., Blond, M. B., Hansen, T. W., Persson, F. & Rossing, P., Jan 2024, In: Diabetes, Obesity and Metabolism. 26, 1, p. 54-64 11 p.

**Soluble urokinase plasminogen activator receptor, platelet aggregation, and carotid plaque thickness in diabetes: A cross-sectional analysis**

Rotbain Curovic, V., Tavenier, J., Ferreira-Divino, L. F., Poulsen, C. G., Houliind, M. B., Pedersen, O. B., Urbak, L., Hansen, T. W., Sillesen, H., Frimodt-Møller, M., Hvas, A.-M. & Rossing, P., Jan 2024, In: Journal of Diabetes and its Complications. 38, 1, 108654.

**New Diabetic Treatment by Alleviation of Autonomic Nervous System Dysfunction Measured as Periosteal Pressure Sensitivity at Sternum Improves Empowerment, Treatment Satisfaction, and Self-Reported Health of People with Type 2 Diabetes: A Randomized Trial**

Hecquet, S. K., Ballegaard, S., Eldrup, E., Hansen, C. S., Hansen, T. W., Harboe, G. S., Rossing, P., Pichat, C. S. H., Watt, T., Gyntelberg, F., Ørsted, N. & Faber, J. O., 2024, In: Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy. 17, p. 2519-2531 13 p.

**Declining Incidence Rates of Distal Symmetric Polyneuropathy in People With Type 1 and Type 2 Diabetes in Denmark, With Indications of Distinct Patterns in Type 1 Diabetes**

Mizrak, H. I., Hansen, T. W., Rossing, P., Curovic, V. R., Vistisen, D., Amadid, H. & Hansen, C. S., Nov 2023, In: Diabetes Care. 46, 11, p. 1997-2003 7 p.

**Overall and inter-individual effect of four different drug classes on soluble urokinase plasminogen activator receptor in type 1 and type 2 diabetes**

Rotbain Curovic, V., Houliind, M. B., Kroonen, M. Y. A. M., Jongs, N., Zobel, E. H., Hansen, T. W., Tavenier, J., Eugen-Olsen, J., Laverman, G. D., Kooy, A., Persson, F., Rossing, P. & Heerspink, H. J. L., Nov 2023, In: Diabetes, Obesity and Metabolism. 25, 11, p. 3152-3160 9 p.

**Effects of baricitinib, empagliflozin, linagliptin and telmisartan on cardiovascular autonomic neuropathy in type 1 diabetes: An exploratory, randomized, open-label, crossover trial**

Laursen, J. C., Rotbain Curovic, V., Kroonen, M. Y. A. M., Jongs, N., Zobel, E. H., Hansen, T. W., Frimodt-Møller, M., Laverman, G. D., Kooy, A., Persson, F., Heerspink, H. J. L., Hansen, C. S. & Rossing, P., Oct 2023, In: Diabetes, Obesity and Metabolism. 25, 10, p. 3064-3067 4 p.

**Vitamin D deficiency and development of complications in individuals with type 1 and type 2 diabetes: A cohort study**  
Tougaard, N. H., Hansen, T. W. & Rossing, P., Oct 2023, In: Journal of Diabetes and its Complications. 37, 10, p. 108611 108611.

**Ceramides are decreased after liraglutide treatment in people with type 2 diabetes: a post hoc analysis of two randomized clinical trials**

Wretling, A., Curovic, V. R., de Zawadzki, A., Suvitaival, T., Xu, J., Zobel, E. H., von Scholten, B. J., Ripa, R. S., Kjaer, A., Hansen, T. W., Vilsbøll, T., Vestergaard, H., Rossing, P. & Legido-Quigley, C., 26 Sept 2023, In: Lipids in Health and Disease. 22, 1, p. 160 160.

**Derivation of an Outcome-Driven Threshold for Aortic Pulse Wave Velocity: An Individual-Participant Meta-Analysis**

International Database of Central Arterial Properties for Risk Stratification Investigators‡, 1 Sept 2023, In: Hypertension. 80, 9, p. 1949-1959 11 p.

**Evaluation of the effects of ezetimibe on albuminuria and kidney fat in individuals with type 2 diabetes and chronic kidney disease**

Heinrich, N. S., Pedersen, R. P., Vestergaard, M. B., Lindberg, U., Andersen, U. B., Haddock, B., Hansen, T. W., Fornoni, A., Larsson, H. B. W. & Rossing, P., Sept 2023, In: Diabetes, Obesity and Metabolism. 25, 9, p. 2605-2615 11 p.

**Collagen turnover is associated with cardiovascular autonomic and peripheral neuropathy in type 1 diabetes: novel pathophysiological mechanism?**

Hansen, C. S., Rasmussen, D. G. K., Hansen, T. W., Nielsen, S. H., Theilade, S., Karsdal, M. A., Genovese, F. & Rossing, P., 29 Jun 2023, In: Cardiovascular Diabetology. 22, 1, 158.

**The association between blood oxygen saturation and baroreflex sensitivity in adults with type 1 diabetes with and without albuminuria**

Laursen, J. C., Hansen, C. S., Bordino, M., Frimodt-Møller, M., Hansen, T. W., Bernardi, L., Groop, P.-H. & Rossing, P., Jun 2023, In: Journal of Diabetes and its Complications. 37, 6, p. 108473 108473.

**Presence of retinopathy and incident kidney and cardiovascular events in type 2 diabetes with normoalbuminuria - A post-hoc analysis of the PRIORITY randomized clinical trial**

on the behalf of the PRIORITY Study Group, Apr 2023, In: Journal of Diabetes and its Complications. 37, 4, p. 108433 108433.

**What did we learn from the International Databases on Ambulatory and Home Blood Pressure in Relation to Cardiovascular Outcome?**

Asayama, K., Stolarz-Skrzypek, K., Yang, W.-Y., Hansen, T. W., Brguljan-Hitij, J., Odili, A. N., Li, Y. & Staessen, J. A., Apr 2023, In: Hypertension research : official journal of the Japanese Society of Hypertension. 46, 4, p. 934-949 16 p.

**Optimization of Albuminuria-Lowering Treatment in Diabetes by Crossover Rotation to Four Different Drug Classes: A Randomized Crossover Trial**

Curovic, V. R., Jongs, N., Kroonen, M. Y. A. M., Zobel, E. H., Hansen, T. W., Sen, T., Laverman, G. D., Kooy, A., Persson, F., Rossing, P. & Heerspink, H. J. L., 1 Mar 2023, In: Diabetes Care. 46, 3, p. 593-601 9 p.

**Reduced methylation correlates with diabetic nephropathy risk in type 1 diabetes**

Khurana, I., Kaipananickal, H., Maxwell, S., Birkelund, S., Syreeni, A., Forsblom, C., Okabe, J., Ziemann, M., Kaspi, A., Rafehi, H., Jørgensen, A., Al-Hasani, K., Thomas, M. C., Jiang, G., Luk, A. O., Lee, H. M., Huang, Y., Thewjitcharoen, Y., Nakasatien, S. & Himathongkam, T. & 12 others, Fogarty, C., Njeim, R., Eid, A., Hansen, T. W., Tofte, N., Ottesen, E. C., Ma, R. C., Chan, J. C., Cooper, M. E., Rossing, P., Groop, P.-H. & El-Osta, A., 15 Feb 2023, In: The Journal of clinical investigation. 133, 4, e160959.

**In vivo molecular imaging of cardiac angiogenesis in persons with and without type 2 diabetes: a cross-sectional 68 Ga-RGD-PET study**

Laursen, J. C., Rasmussen, I. K. B., Zobel, E. H., Hasbak, P., Holmvang, L., Hansen, C. S., von Scholten, B. J., Frimodt-Møller, M., Rossing, P., Hansen, T. W., Kjaer, A. & Ripa, R. S., Jan 2023, In: Diabetic medicine : a journal of the British Diabetic Association. 40, 1, 11 p., e14960.

**Lower blood oxygen saturation is associated with microvascular complications in individuals with type 1 diabetes**

Laursen, J. C., Mizrak, H. I., Kufaishi, H., Hecquet, S. K., Stougaard, E. B., Tougaard, N. H., Frimodt-Møller, M., Hansen, T. W., Hansen, C. S. & Rossing, P., Jan 2023, In: The Journal of clinical endocrinology and metabolism. 108, 1, p. 99-106 8 p.

**Endotrophin as a risk marker of mortality and kidney complications in a type 1 diabetes cohort**

Møller, A. L., Tougaard, N. H., Rasmussen, D. G. K., Genovese, F., Rønn, P. F., Hansen, T. W., Karsdal, M. A. & Rossing, P., 2023, In: Frontiers in molecular biosciences. 10, p. 1229579 1229579.

**Marker for kidney fibrosis is associated with inflammation and deterioration of kidney function in people with type 2 diabetes and microalbuminuria**

Poulsen, C. G., Rasmussen, D. G. K., Genovese, F., Hansen, T. W., Nielsen, S. H., Reinhard, H., von Scholten, B. J., Jacobsen, P. K., Parving, H.-H., Karsdal, M. A., Rossing, P. & Frimodt-Møller, M., 2023, In: PLoS One. 18, 3, e0283296.

**Patients with type 1 diabetes and albuminuria have a reduced brain glycolytic capability that is correlated with brain atrophy**

Vestergaard, M. B., Laursen, J. C., Heinrich, N. S., Rossing, P., Hansen, T. W. & Larsson, H. B. W., 2023, In: Frontiers in Neuroscience. 17, p. 1229509 1229509.

**Circulating metabolites and molecular lipid species are associated with future cardiovascular morbidity and mortality in type 1 diabetes**

Ferreira-Divino, L. F., Suvaival, T., Rotbain Curovic, V., Tofte, N., Trošt, K., Mattila, I. M., Theilade, S., Winther, S. A., Hansen, T. W., Frimodt-Møller, M., Legido-Quigley, C. & Rossing, P., Dec 2022, In: Cardiovascular Diabetology. 21, 1, p. 135 135.

**Distal symmetrical polyneuropathy is present in all individuals with diabetes and foot ulcers - and does not associate with healing time**

Mizrak, H. I., Hansen, T. W., Andersen, J. A., Rossing, P., Rasmussen, A. & Hansen, C. S., Dec 2022, In: Journal of Diabetes and its Complications. 36, 12, p. 108353 108353.

**Dapagliflozin Improves the Urinary Proteomic Kidney-Risk Classifier CKD273 in Type 2 Diabetes with Albuminuria - a Randomized Clinical Trial**

Curovic, R. V., Eickhoff, M. K., Rönkkö, T., Frimodt-Møller, M., Hansen, T. W., Mischak, H., Rossing, P., Ahluwalia, T. S. & Persson, F., 1 Nov 2022, In: Diabetes Care. 45, 11, p. 2662-2668 7 p.

**Endotrophin as a Marker of Complications in a Type 2 Diabetes Cohort**

Tougaard, N. H., Møller, A. L., Rønn, P. F., Hansen, T. W., Genovese, F., Karsdal, M. A., Guldager Kring Rasmussen, D. & Rossing, P., 1 Nov 2022, In: Diabetes Care. 45, 11, p. 2746-2748 3 p.

**Predictive power of 24-h ambulatory pulse pressure and its components for mortality and cardiovascular outcomes in 11 848 participants recruited from 13 populations**

International Database on Ambulatory Blood Pressure in Relation to Cardiovascular Outcome Investigators, 1 Nov 2022, In: Journal of Hypertension. 40, 11, p. 2245-2255 11 p.

**Baseline risk markers and visit-to-visit variability in relation to kidney outcomes - A post-hoc analysis of the PERL study**

PERL Study Group, Nov 2022, In: Diabetes Research and Clinical Practice. 193, p. 110119 110119.

**The effect of liraglutide on cardiac autonomic function in type 2 diabetes: A prespecified secondary analysis from the LIRAFLAME randomized, double-blinded, placebo-controlled trial**

Sivalingam, S., Hein Zobel, E., Hansen, C. S., Ripa, R. S., von Scholten, B. J., Rotbain Curovic, V., Kjaer, A., Jensen, J. K., Hansen, T. W. & Rossing, P., Aug 2022, In: Diabetes, Obesity and Metabolism. 24, 8, p. 1638-1642 5 p.

**Effects of Butyrate Supplementation on Inflammation and Kidney Parameters in Type 1 Diabetes: A Randomized, Double-Blind, Placebo-Controlled Trial**

Tougaard, N. H., Frimodt-Møller, M., Salmenkari, H., Stougaard, E. B., Zawadzki, A. D., Mattila, I., Hansen, T. W., Legido-Quigley, C., Hörkkö, S., Forsblom, C., Groop, P.-H., Lehto, M. & Rossing, P., 21 Jun 2022, In: Journal of Clinical Medicine.

**Acute and Long-Term Treatment With Dapagliflozin and Association With Serum Soluble Urokinase Plasminogen Activator Receptor**

Rotbain Curovic, V., Houliand, M. B., Hansen, T. W., Eugen-Olsen, J., Laursen, J. C., Eickhoff, M. K., Persson, F. & Rossing, P., 27 Apr 2022, In: *Frontiers in Pharmacology*. 13, p. 1-7 7 p., 799915.

**Cardiovascular Autonomic Neuropathy in Type 1 Diabetes Is Associated With Disturbances in TCA, Lipid, and Glucose Metabolism**

Hansen, C. S., Suvitaival, T., Theilade, S., Mattila, I., Lajer, M., Trošt, K., Ahonen, L., Hansen, T. W., Legido-Quigley, C., Rossing, P. & Ahluwalia, T. S., 14 Apr 2022, In: *Frontiers in Endocrinology*. 13, p. 831793 831793.

**Autonomic nervous system activity in primary Raynaud's phenomenon: Heart rate variability, plasma catecholamines and [123 I]MIBG heart scintigraphy**

Lindberg, L., Brinth, L. S., Bergmann, M. L., Kristensen, B., Hansen, T. W., Hasbak, P., Thomsen, J. F., Eldrup, E. & Jensen, L. T., Mar 2022, In: *Clinical Physiology and Functional Imaging*. 42, 2, p. 104-113 10 p.

**The importance of addressing multiple risk markers in type 2 diabetes: Results from the LEADER and SUSTAIN 6 trials**

Zobel, E. H., Von Scholten, B. J., Hansen, T. W., Persson, F., Rasmussen, S. W., Wolthers, B. & Rossing, P., Feb 2022, In: *Diabetes, Obesity and Metabolism*. 24, 2, p. 281-288 8 p.

**Copeptin and renal function decline, cardiovascular events and mortality in type 1 diabetes**

Heinrich, N. S., Theilade, S., Winther, S. A., Tofte, N., Ahluwalia, T. S., Jeppesen, J. L., Persson, F., Hansen, T. W., Goetze, J. P. & Rossing, P., Jan 2022, In: *Nephrology, dialysis, transplantation : official publication of the European Dialysis and Transplant Association - European Renal Association*. 37, 1, p. 100-107 8 p.

**Liraglutide Lowers Palmitoleate Levels in Type 2 Diabetes. A Post Hoc Analysis of the LIRAFLAME Randomized Placebo-Controlled Trial**

Wretling, A., Zobel, E. H., de Zawadzki, A., Ripa, R. S., Curovic, V. R., von Scholten, B. J., Mattila, I. M., Hansen, T. W., Kjaer, A., Vestergaard, H., Rossing, P. & Legido-Quigley, C., 2022, In: *Frontiers in Clinical Diabetes and Healthcare*. 3, p. 856485 856485.

**The Association Between Cardiovascular Autonomic Function and Changes in Kidney and Myocardial Function in Type 2 Diabetes and Healthy Controls**

Laursen, J. C., Rasmussen, I. K. B., Zobel, E. H., Hasbak, P., von Scholten, B. J., Holmvang, L., Ripa, R. S., Hansen, C. S., Frimodt-Moeller, M., Kjaer, A., Rossing, P. & Hansen, T. W., 13 Dec 2021, In: *Frontiers in Endocrinology*. 12, p. 780679 780679.

**Liraglutide reduces cardiac adipose tissue in type 2 diabetes: A secondary analysis of the LIRAFLAME randomized placebo-controlled trial**

Rasmussen, I. K. B., Zobel, E. H., Ripa, R. S., von Scholten, B. J., Curovic, V. R., Jensen, J. K., Kjaer, A., Hansen, T. W. & Rossing, P., Dec 2021, In: *Diabetes, Obesity and Metabolism*. 23, 12, p. 2651-2659 9 p.

**Effect of 26 Weeks of Liraglutide Treatment on Coronary Artery Inflammation in Type 2 Diabetes Quantified by [Cu-64]Cu-DOTATATE PET/CT: Results from the LIRAFLAME Trial: Results from the LIRAFLAME Trial**

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**Isolated Diastolic Hypertension in the IDACO Study: An Age-Stratified Analysis Using 24-Hour Ambulatory Blood Pressure Measurements**

McEvoy, J. W., Yang, W.-Y., Thijs, L., Zhang, Z.-Y., Melgarejo, J. D., Boggia, J., Hansen, T. W., Asayama, K., Ohkubo, T., Dolan, E., Stolarz-Skrzypek, K., Malyutina, S., Casiglia, E., Lind, L., Filipovský, J., Maestre, G. E., Li, Y., Wang, J.-G., Imai, Y. & Kawecka-Jaszcz, K. & 6 others, Sandoya, E., Narkiewicz, K., O'Brien, E., Vanassche, T., Staessen, J. A. & International Database on Ambulatory Blood Pressure in Relation to Cardiovascular Outcomes (IDACO) Investigators, Nov 2021, In: *Hypertension*. 78, 5, p. 1222-1231 10 p.

**Cardiovascular autonomic neuropathy and the impact on progression of diabetic kidney disease in type 1 diabetes**

Bjerre-Christensen, T., Winther, S. A., Tofte, N., Theilade, S., Ahluwalia, T. S., Lajer, M., Hansen, T. W., Rossing, P. & Hansen, C. S., 13 Oct 2021, In: *BMJ open diabetes research & care*. 9, 1, e002289.

**Urinary proteomics combined with home blood pressure telemonitoring for health care reform trial: rational and protocol**

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### **N-terminal pro-brain natriuretic peptide, but not high sensitivity C-reactive protein, improves cardiovascular risk prediction in the general population**

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**Diagnostic thresholds for ambulatory blood pressure monitoring based on 10-year cardiovascular risk**

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**Response to arterial stiffness index is not a stiffness parameter but a ventriculo-arterial coupling factor [2]**

Li, Y., Wang, J. G., Dolan, E., O'Brien, E., Hansen, T. W., Ibsen, H., Kikuya, M., Imai, Y., Richart, T., Thijs, L. & Staessen, J. A., 1 Feb 2007, In: *Hypertension*. 49, 2

**Diagnostic thresholds for ambulatory blood pressure monitoring based on 10-year cardiovascular risk.**

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**Independent prognostic value of the ambulatory arterial stiffness index and aortic pulse wave velocity in a general population**

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**Insulin resistance, the metabolic syndrome, and risk of incident cardiovascular disease: a population-based study.**

Jeppesen, J., Hansen, T. W., Rasmussen, S., Ibsen, H., Torp-Pedersen, C. & Madsbad, S., 2007, In: *Journal of the American College of Cardiology*. 49, 21, p. 2112-9 7 p.

**Metabolic syndrome, low-density lipoprotein cholesterol, and risk of cardiovascular disease: A population-based study**

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**Ambulatory arterial stiffness index predicts stroke in a general population**

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**Ambulatory blood pressure monitoring and risk of cardiovascular disease: A population based study**

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**Prognostic value of aortic pulse wave velocity as index of arterial stiffness in the general population**

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**High-sensitivity C-reactive protein is only weakly related to cardiovascular damage after adjustment for traditional cardiovascular risk factors**

Olsen, M. H., Christensen, M. K., Hansen, T. W., Gustafsson, F., Rasmussen, S., Wachtell, K., Borch-Johnsen, K., Ibsen, H., Jørgensen, T. & Hildebrandt, P., 2006, In: *Journal of Hypertension*. 24, 4, p. 655-61 7 p.

**N-terminal pro brain natriuretic peptide is inversely related to metabolic cardiovascular risk factors and the metabolic syndrome**

Olsen, M. H., Hansen, T. W., Christensen, M. K., Gustafsson, F., Rasmussen, S., Wachtell, K., Borch-Johnsen, K., Ibsen, H., Jørgensen, T. & Hildebrandt, P., 1 Oct 2005, In: *Hypertension*. 46, 4, p. 660-666 7 p.

**Ambulatory blood pressure and mortality: A population-based study**

Hansen, T. W., Jeppesen, J., Rasmussen, S., Ibsen, H. & Torp-Pedersen, C., 1 Apr 2005, In: *Hypertension*. 45, 4, p. 499-504 6 p.

**Relation between insulin and aortic stiffness: A population-based study**

Hansen, T. W., Jeppesen, J., Rasmussen, S., Ibsen, H. & Torp-Pedersen, C., 1 Jan 2004, In: *Journal of Human Hypertension*. 18, 1, p. 1-7 7 p.

Expression of insulin receptor spliced variants and their functional correlates in muscle from patients with non-insulin-dependent diabetes mellitus

Hansen, T., Bjørbaek, C., Vestergaard, H., Grønskov, K., Bak, J. F. & Pedersen, O., Dec 1993, In: The Journal of clinical endocrinology and metabolism. 77, 6, p. 1500-5 6 p.

## **Activities**

### **IDF Busan 2-6 december 2019**

Hansen, T. W. (Speaker)

2 Dec 2019 → 6 Dec 2019

### **American Society of Nephrology, kidney week 2019**

Tofte, N. (Participant), Curovic, V. R. (Participant) & Hansen, T. W. (Participant)

5 Nov 2019 → 10 Nov 2019

### **55th EASD Annual Meeting: EASD 2019**

Tofte, N. (Participant), Curovic, V. R. (Participant) & Hansen, T. W. (Participant)

17 Sept 2019 → 20 Sept 2019

### **European Diabetic Nephropathy Study Group 32nd Annual Meeting, EDNSG**

Tofte, N. (Participant), Curovic, V. R. (Speaker) & Hansen, T. W. (Speaker)

May 2019 → 25 May 2019

### **Myocardial Flow Reserve Assessed by Cardiac 82Rb PET/CT Is Associated with Albumin Excretion in Patients with Type 1 Diabetes**

Zobel, E. H. (Lecturer), Winther, S. A. (Other), von Scholten, B. J. (Other), Holmvang, L. (Other), Kjær, A. (Other), Rossing, P. (Other) & Hansen, T. W. (Other)

26 Oct 2018

### **ARTERY 18 Guimarães, Portugal, from Thursday 18th – Saturday 20th October 2018.**

Hansen, T. W. (Organizer)

20 Oct 2018 → 23 Oct 2018

### **54th EASD Annual Meeting**

Hansen, T. W. (Participant)

1 Oct 2018 → 5 Oct 2018

### **International Society of Hypertension (ISH) congress, Beijing 2018**

Hansen, T. W. (Participant)

20 Sept 2018 → 23 Sept 2018

### **European Diabetic Nephropathy Study Group 31st Annual Meeting**

Curovic, V. R. (Participant) & Hansen, T. W. (Participant)

18 May 2018 → 19 May 2018

### **ASN Kidney Week 2017**

Rossing, P. (Participant), Frimodt-Møller, M. (Participant), Hansen, T. W. (Participant), Eickhoff, M. K. (Participant), Tofte, N. (Participant) & Viktor Rotbain, C. (Participant)

31 Oct 2017 → 5 Nov 2017