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Main research areas

In my post doc the focus will be on examination with 2D and 3D ultrasound for plaques in the carotid arteries and early identification of persons at high risk of developing cardiovascular disease.
The focus of my PhD was on novel biomarkers for identifying patients at high risk for developing diabetic kidney disease, primarily based on 'omics' techniques.

Employment

MD PhD Post Doc
Steno Diabetes Center Copenhagen
The Capital Region of Denmark
Gentofte, Denmark
1 Nov 2019 → nu

Publications

Omics research in diabetic kidney disease: new biomarker dimensions and new understandings?

Tofte, N., Persson, F. & Rossing, P., 30 May 2020, In : Journal of Nephrology.

Plasma metabolomics identifies markers of impaired renal function: A meta-analysis of 3,089 persons with type 2 diabetes

Tofte, N., Vogelzangs, N., Mook-Kanamori, D., Brahimaj, A., Nano, J., Ahmadizar, F., Willems van Dijk, K., Frimodt-Møller, M., Arts, I., Beulens, J. W. J., Rutters, F., van der Heijden, A. A., Kavousi, M., Stehouwer, C. D. A., Nijpels, G., van Greevenbroek, M. M. J., van der Kallen, C. J. H., Rossing, P., Ahluwalia, T. S. & 't Hart, L. M., 9 Apr 2020, In : The Journal of clinical endocrinology and metabolism. dgaa173.

Early detection of diabetic kidney disease by urinary proteomics and subsequent intervention with spironolactone to delay progression (PRIORITY): a prospective observational study and embedded randomised placebo-controlled trial

PRIORITY investigators, 1 Apr 2020, In : The Lancet Diabetes and Endocrinology. 8, 4, p. 301-312 12 p.

Carotid-femoral pulse wave velocity is a risk marker for complications in persons with type 1 diabetes

Tougaard, N. H., Theilade, S., Winther, S. A., Tofte, N., Ahluwalia, T. S., Hansen, T. W., Rossing, P. & Frimodt-Møller, M., 18 Jan 2020.

Changes in diabetes distress among people with type 2 diabetes during a risk screening programme for diabetic kidney disease - Longitudinal observations of the PRIORITY study

Joensen, L. E., Madsen, K. P., Frimodt-Møller, M., Tofte, N., Willaing, I., Lindhardt, M. & Rossing, P., 1 Jan 2020, In : Journal of Diabetes and its Complications. 34, 1, 107467.

Metabolomic assessment reveals alteration in polyols and branched chain amino acids associated with present and future renal impairment in a discovery cohort of 637 persons with type 1 diabetes

Tofte, N., Suvitaival, T., Trošt, K., Mattila, I., Theilade, S., Winther, S. A., Ahluwalia, T. S., Frimodt-Møller, M., Legido-Quigley, C. & Rossing, P., 22 Nov 2019, In : Frontiers in Endocrinology. 10, p. 1-11 11 p., 818.

Lipidomic analysis reveals sphingomyelin and phosphatidylcholine species associated with renal impairment and all-cause mortality in type 1 diabetes

Tofte, N., Suviataival, T., Ahonen, L., Winther, S. A., Theilade, S., Frimodt-Møller, M., Ahluwalia, T. S. & Rossing, P., 8 Nov 2019, In : Scientific Reports. 9, 1, 10 p., 16398.

Novel metabolomic- and proteomic based biomarkers in diabetic kidney disease

Tofte, N., 2 Oct 2019

Multicentre prospective validation of a urinary peptidome-based classifier for the diagnosis of type 2 diabetic nephropathy

Tofte, N., Lindhardt, M. K., Currie, G., Frimodt-Møller, M., von der Leyen, H., Delles, C., Mischak, H. & Rossing, P., Oct 2019, In : Journal of the American Society of Nephrology. 30, p. 172 p., FR-OR113.

Polyols and Branched Chained Amino Acids Are Associated with Present and Future Renal Impairment in Type 1 Diabetes

Tofte, N., Suviataival, T., Trošt, K., Mattila, I., Theilade, S., Winther, S. A., Ahluwalia, T. S., Frimodt-Møller, M., Legido-Quigley, C. & Rossing, P., Oct 2019, In : Journal of the American Society of Nephrology. 30, p. 362 p., TH-PO934.

Spirolactone for the prevention of microalbuminuria in high risk type 2 diabetes: Results from the multicenter randomized double-blind controlled study "PRIORITY"

Lindhardt, M. K., Tofte, N., Frimodt-Møller, M., Currie, G., Delles, C., von der Leyen, H., Mischak, H. & Rossing, P., Oct 2019, In : Journal of the American Society of Nephrology. 30, p. 498 p., FR-PO247.

Visit-to-Visit Variability of Albuminuria and eGFR as Risk Markers for Renal Complications, Cardiovascular Events, and Mortality in Type 1 Diabetes

Curovic, V. R., Theilade, S., Winther, S. A., Tofte, N., Jorsal, A., Parving, H-H., Persson, F., Hansen, T. & Rossing, P., Oct 2019, In : Journal of the American Society of Nephrology. 30, p. 904 p., SA-PO552.

Markers of Collagen Formation and Degradation Reflect Renal Function and Predict Adverse Outcomes in Patients With Type 1 Diabetes

Pilemann-Lyberg, S., Rasmussen, D. G. K., Hansen, T. W., Tofte, N., Winther, S. A., Nielsen, S. H., Theilade, S., Karsdal, M. A., Genovese, F. & Rossing, P., 1 Sep 2019, In : Diabetes Care. 42, 9, p. 1760-1768 9 p.

Circulating metabolites are associated with present and future renal impairment in type 1 Diabetes

Tofte, N., Suviataival, T., Trošt, K., Mattila, I., Theilade, S., Winther, S. A., Ahluwalia, T. S., Frimodt-Møller, M., Legido-Quigley, C. & Rossing, P., Sep 2019, In : Diabetologia. 62, Suppl 1, p. 30 p., 57.

Plasma metabolomics identifies markers of kidney function in 3,064 Europeans with type 2 diabetes: Barcelona, Spain, 16 - 20 September 2019

Ahluwalia, T. S., Tofte, N., Vogelzangs, N., Mook-Kanamori, D., Brahimaj, A., Frimodt-Møller, M., Arts, I., Beulens, J., van der Heijden, A., Stehouwer, C., Nijpels, G., van Greevenbroek, M., van der Kallen, C., Rossing, P. & t' Hart, L. M., Sep 2019, In : Diabetologia. 62, Suppl 1, p. 456 p., 937.

Renal function dominates the landscape of the metabolome in type 1 diabetes

Suviataival, T., Tofte, N., Mattila, I., Trošt, K., Theilade, S., Winther, S. A., Ahluwalia, T. S., Frimodt-Møller, M., Rossing, P. & Legido-Quigley, C., Sep 2019, In : Diabetologia. 62, Suppl 1, p. 455 p., 936.

The utility of plasma concentration of Trimethylamine-N-Oxide in predicting cardiovascular and renal complications in individuals with type 1 diabetes

Winther, S. A., Øllgaard, J. C., Tofte, N., Tarnow, L., Wang, Z., Ahluwalia, T. S., Jorsal, A., Theilade, S., Parving, H. H., Hansen, T., Hazen, S. L., Pedersen, O. & Rossing, P., Sep 2019, In : Diabetologia. 62, Suppl 1, p. 32 p., 60.

Visit-to-visit variability of HbA1c and systolic BP as risk markers for cardiovascular events, end stage renal disease, renal function decline and mortality in type 1 diabetes

Curovic, V. R., Theilade, S., Winther, S. A., Tofte, N., Tarnow, L., Jorsal, A., Parving, H. H., Persson, F., Hansen, T. W. & Rossing, P., Sep 2019, In : Diabetologia. 62, Suppl 1, p. 568 p., 1181.

Utility of Plasma Concentration of Trimethylamine N-Oxide in Predicting Cardiovascular and Renal Complications in Individuals With Type 1 Diabetes

Winther, S. A., Øllgaard, J. C., Tofte, N., Tarnow, L., Wang, Z., Ahluwalia, T. S., Jorsal, A., Theilade, S., Parving, H-H., Hansen, T. W., Hazen, S. L., Pedersen, O. & Rossing, P., Aug 2019, In : *Diabetes Care*. 42, 8, p. 1512-1520 9 p.

Soluble Urokinase Plasminogen Activator Receptor Predicts Cardiovascular Events, Kidney Function Decline, and Mortality in Patients With Type 1 Diabetes

Rotbain Curovic, V., Theilade, S., Winther, S. A., Tofte, N., Eugen-Olsen, J., Persson, F., Hansen, T. W., Jeppesen, J. & Rossing, P., 1 Jun 2019, In : *Diabetes Care*. 42, 6, p. 1112-1119 8 p.

Uric acid is an independent risk factor for decline in kidney function, cardiovascular events, and mortality in patients with type 1 diabetes

Pilemann-Lyberg, S., Hansen, T. W., Tofte, N., Winther, S. A., Theilade, S., Ahluwalia, T. S. & Rossing, P., 1 Jun 2019, In : *Diabetes Care*. 42, 6, p. 1088-1094 7 p.

Identification of serum metabolites associated with renal impairment: A metabolomics study in Type 1 Diabetes

Tofte, N., Suvitaival, T., Trošt, K., Mattila, I., Theilade, S., Winther, S. A., Ahluwalia, T. S., Frimodt-Møller, M., Legido-Quigley, C. & Rossing, P., 24 May 2019.

Pulse Wave Velocity is an Independent Risk Factor for Cardiovascular Events, Mortality and Decline in Renal Function in Patients with Type 1 Diabetes

Hansen, T. W., Frimodt-Møller, M., Theilade, S., Winther, S. A., Tofte, N., Ahluwalia, T. S. & Rossing, P., 24 May 2019.

Soluble urokinase plasminogen activator receptor predicts cardiovascular events, kidney function decline, and mortality in patients with type 1 diabetes

Curovic, V. R., Theilade, S., Winther, S. A., Tofte, N., Eugen-Olsen, J., Persson, F., Hansen, T. W., Jeppesen, J. & Rossing, P., 24 May 2019.

The utility of plasma concentration of Trimethylamine-N-Oxide in predicting cardiovascular and renal complications in individuals with type 1 diabetes

Winther, S. A., Øllgaard, J. C., Tofte, N., Tarnow, L., Wang, Z., Ahluwalia, T. S., Jorsal, A., Theilade, S., Parving, H-H. D., Hansen, T. W., Hazen, S. L., Pedersen, O. & Rossing, P., 24 May 2019.

Plasma lipids are associated with diabetic kidney disease: a study of plasma lipidomics in type 1 diabetes

Tofte, N., Suvitaival, T., Ahonen, L. L., Theilade, S., Winther, S. A., Frimodt-Møller, M., Ahluwalia, T. S. & Rossing, P., 26 Oct 2018, In : *Journal of the American Society of Nephrology*. 29, p. 535 1 p., FR-PO445.

Plasma metabolomics identifies markers of impaired kidney function: A meta-analysis of 1,984 Europeans with type 2 diabetes

Tofte, N., Ahluwalia, T. S., Vogelzangs, N., Mook-Kanamori, D., Brahimaj, A., Nano, J., van Dijk, K. W., Frimodt-Møller, M., van der Kallen, C., Arts, I., Beulens, J., van der Heijden, A., Nijpels, G., van Greevenbroek, M., Stehouwer, C., Rossing, P. & t' Hart, L. M., 26 Oct 2018, In : *Journal of the American Society of Nephrology*. 29, p. 535 1 p., FR-PO446.

Pulse Wave Velocity Is an Independent Risk Factor for Cardiovascular Events, Mortality and Decline in Renal Function in Patients with Type 1 Diabetes

Frimodt-Møller, M., Theilade, S., Winther, S. A., Tofte, N., Ahluwalia, T. S. & Rossing, P., 26 Oct 2018, In : *Journal of the American Society of Nephrology*. 29, 1, FR-PO430.

Soluble Urokinase Plasminogen Activator Receptor Predicts Kidney Function Decline and Mortality in Patients with Type 1 Diabetes

Rotbain Curovic, V., Theilade, S., Winther, S. A., Tofte, N., Eugen-Olsen, J., Persson, F., Hansen, T. W., Jeppesen, J. L. & Rossing, P., 26 Oct 2018, In : *Journal of the American Society of Nephrology*. 29, p. 537 1 p., FR-PO453.

Uric acid is an independent risk factor for mortality, cardiovascular event and decline in kidney function in patients with type 1 diabetes

Pilemann-Lyberg, S., Hansen, T. W., Tofte, N., Winther, S. A., Theilade, S., Ahluwalia, T. S. & Rossing, P., 26 Oct 2018, In : *Journal of the American Society of Nephrology*. 29, p. 537 1 p., FR-PO454.

Pulse Wave Velocity is an Independent Risk Factor for Cardiovascular Events, Mortality and Decline in Renal Function in Patients with Type 1 Diabetes

Hansen, T. W., Fridodt-Møller, M., Theilade, S., Winther, S. A., Tofte, N., Ahluwalia, T. S. & Rossing, P., 19 Oct 2018.

Pulse Wave Velocity is an Independent Risk Factor for Cardiovascular Events, Mortality and progression in diabetic kidney disease in patients with type 1 diabetes

Hansen, T. W., Fridodt-Møller, M., Theilade, S., Winther, S. A., Tofte, N., Ahluwalia, T. S. & Rossing, P., 4 Oct 2018, In : *Diabetologia*. 61, Suppl 1, p. S548-S548 1 p., 1123.

Markers of collagen formation and degradation reflect renal function and predict adverse outcome in type 1 diabetes

Pilemann-Lyberg, S., Hansen, T. W., Tofte, N., Winther, S. A., Theilade, S., Rasmussen, D. G. K., Nielsen, S., Karsdal, M. A., Genovese, F. & Rossing, P., 2 Oct 2018, In : *Diabetologia*. 61, S1, p. S491 1 p., 999.

Soluble urokinase plasminogen activator receptor predicts cardiovascular events, mortality and kidney function decline in patients with type 1 diabetes

Curovic, V. R., Theilade, S., Winther, S. A., Tofte, N., Eugen-Olsen, J., Persson, F., Hansen, T. W., Jeppesen, J. & Rossing, P., 1 Oct 2018, In : *Diabetologia*. 61, 1, p. S577-S578 1 p., 1183.

How Does Risk Screening for Kidney Disease Influence Diabetes Distress?

Joensen, L. E., Madsen, K. P., Fridodt-Møller, M., Tofte, N., Willaing, I., Lindhardt, M. K. & Rossing, P., 1 Jul 2018, In : *Diabetes*. 67, Supplement 1, 1 p.

Characteristics of high- and low-risk individuals in the PRIORITY study: urinary proteomics and mineralocorticoid receptor antagonism for prevention of diabetic nephropathy in Type 2 diabetes

Tofte, N., Lindhardt, M., Adamova, K., Beige, J., Beulens, J. W. J., Birkenfeld, A. L., Currie, G., Delles, C., Dimos, I., Francová, L., Fridodt-Møller, M., Girman, P., Göke, R., Havrdova, T., Kooy, A., Mischak, H., Navis, G., Nijpels, G., Noutsou, M., Ortiz, A., Parvanova, A., Persson, F., Ruggenti, P. L., Rutters, F., Rychlík, I., Spasovski, G., Speeckaert, M., Trillini, M., von der Leyen, H. & Rossing, P., 21 May 2018, In : *Diabetic Medicine*. 35, 10, p. 1375-1382 8 p.

Altered levels of plasma lipids are associated with diabetic kidney disease: a cross-sectional study of plasma lipidomics in type 1 diabetes

Tofte, N., Suvitaival, T., Ahonen, L. L., Theilade, S., Ahluwalia, T. S., Fridodt-Møller, M. & Rossing, P., May 2018, In : *Nephrology Dialysis Transplantation*. 33, Suppl 1, 1 p., SP420 .

Plasma lipids are associated with diabetic kidney disease: a study of plasma lipidomics in type 1 diabetes

Tofte, N., Suvitaival, T., Ahonen, L. L., Theilade, S., Winther, S. A., Fridodt-Møller, M., Ahluwalia, T. S. & Rossing, P., 2018, In : *Diabetologia*. 61, suppl 1, p. S497-S497 1 p., 1011.

Baseline Characteristics in PRIORITY Study: Proteomics and Mineralocorticoid Receptor Antagonism for Prevention of Diabetic Nephropathy in Type 2 Diabetes

Tofte, N. & PRIORITY study group, 2 Nov 2017. 1 p.

Baseline characteristics in PRIORITY study: Proteomics and mineralocorticoid receptor antagonism for prevention of diabetic nephropathy in type 2 diabetes

Tofte, N. & PRIORITY study group, 14 Sep 2017. 1 p.

Chronic urinary tract infections in patients with spinal cord lesions - biofilm infection with need for long-term antibiotic treatment

Tofte, N., Nielsen, A. C. Y., Trøstrup, H., Andersen, C. B., Von Linstow, M., Hansen, B., Biering-Sørensen, F., Høiby, N. & Moser, C., 1 Apr 2017, In : *APMIS : acta pathologica, microbiologica, et immunologica Scandinavica*. 125, 4, p. 385-391

Use of prophylactic voriconazole for three months after lung transplantation does not reduce infection with *Aspergillus*: a retrospective study of 147 patients

Tofte, N., Jensen, C. V., Tvede, M., Andersen, C. B., Carlsen, J. & Iversen, M., 2012, In : *Scandinavian Journal of Infectious Diseases*. 44, 11, p. 835-41 7 p.

Activities

Multicentre prospective validation of a urinary peptidome-based classifier for the diagnosis of type 2 diabetic nephropathy

Nete Tofte (Lecturer)

8 Nov 2019

American Society of Nephrology, kidney week 2019

Nete Tofte (Participant), Viktor Rotbain Curovic (Participant), Tine Willum Hansen (Participant)

5 Nov 2019 → 10 Nov 2019

PhD defence - Novel metabolomic- and proteomic based biomarkers in diabetic kidney disease

Nete Tofte (Lecturer)

2 Oct 2019

55th EASD Annual Meeting: EASD 2019

Nete Tofte (Participant), Viktor Rotbain Curovic (Participant), Tine Willum Hansen (Participant)

17 Sep 2019 → 20 Sep 2019

Circulating metabolites are associated with present and future renal impairment in type 1 Diabetes

Nete Tofte (Lecturer)

17 Sep 2019

Identification of serum metabolites associated with renal impairment: A metabolomics study in Type 1 Diabetes

Nete Tofte (Lecturer)

24 May 2019 → 25 May 2019

European Diabetic Nephropathy Study Group 32nd Annual Meeting, EDNSG

Nete Tofte (Participant), Viktor Rotbain Curovic (Speaker), Tine Willum Hansen (Speaker)

May 2019 → 25 May 2019

ASN, Kidney Week, San Diego, US

Nete Tofte (Participant), Viktor Rotbain Curovic (Participant)

25 Oct 2018 → 28 Oct 2018

54th EASD Annual Meeting

Nete Tofte (Participant), Viktor Rotbain Curovic (Participant)

1 Oct 2018 → 5 Oct 2018

ASN Kidney Week 2017

Peter Rossing (Participant), Marie Frimodt-Møller (Participant), Tine Wilum Hansen (Participant), Mie Klessen Eickhoff (Participant), Nete Tofte (Participant), Curovic Viktor Rotbain (Participant)

31 Oct 2017 → 5 Nov 2017

53rd Annual Meeting of the European Association for the study of Diabetes EASD

Allan Flyvbjerg (Participant), Birgitte Brock (Participant), Peter Rossing (Participant), Marit Eika Jørgensen (Participant), Susanne Engberg (Participant), Marie Frimodt-Møller (Participant), Narges Safai (Participant), Nete Tofte (Participant), Tina Vilsbøll (Participant), Viktor Rotbain Curovic (Participant), Bryan Cleal (Participant), Kasper Olesen (Participant)

11 Sep 2017 → 15 Sep 2017

Projects

PRIORITY: Proteomic prediction and Renin angiotensin aldosterone system Inhibition prevention Of early diabetic nephropathy In Type 2 diabetic patients with normoalbuminuria.

Rossing, P., Persson, F. & Tofte, N.
02/01/2012 → 31/12/2018