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Employment

Department of Clinical Research

1. Mar 2024 → 28. Feb 2026

Clinical Associate Professor

KI, OUH, Research unit of Oto Rhino Laryngology (Odense)

1. Mar 2024 → 28. Feb 2026

Research outputs

The detection of pathological parathyroid glands is facilitated by identifying vascular features on ultrasound: the potential benefit of a low-frequency vascular probe

Michaelsen, S. H., Bay, M., Gerke, O., Graumann, O., Madsen, A. R., Godballe, C., Bonnema, S. J. & Nielsen, V. E., 8. Aug 2024, (E-pub ahead of print) In: Endocrine.

Evaluation of Surgeon-Performed Ultrasonography With or Without Contrast Enhancement vs Scintigraphy in Patients With Primary Hyperparathyroidism

Michaelsen, S. H., Bay, M., Gerke, O., Vestergaard, S., Graumann, O., Nielsen, V. E., Madsen, A. R., Bonnema, S. J. & Godballe, C., Jun 2023, In: JAMA Otolaryngology - Head & Neck Surgery . 149, 6, p. 531-539

Preoperative BRAFV600E mutation detection in thyroid carcinoma by immunocytochemistry

Swan, K. Z., Madsen, S. H., Bonnema, S. J., Nielsen, V. E. & Jespersen, M. L., Nov 2022, In: APMIS. 130, 11, p. 627-636

External validation of AIBx, an artificial intelligence model for risk stratification, in thyroid nodules

Swan, K. Z., Thomas, J., Nielsen, V. E., Jespersen, M. L. & Bonnema, S. J., 8. Mar 2022, In: European Thyroid Journal. 11, 2, 7 p., e210129.

Risk-stratification of thyroid nodules examined by ¹⁸F-FDG-PET/CT while ensuring congruity between imaging and histopathological localization

Bakkegaard, P., Londero, S. C., Bonnema, S. J., Nielsen, V. E., Jespersen, M. L. & Swan, K. Z., Dec 2021, In: European Archives of Oto-Rhino-Laryngology. 278, 12, p. 4979-4985

Plastmønt i øsofagus hos en etårig med langvarige symptomer på fejlsynkning og recidiverende pneumonier

Bräuner Skansing, D. & Nielsen, V. E., Jan 2021, In: Ugeskrift for Læger. 183, 3, V03200177.

Characterization and radiosensitivity of HPV-related oropharyngeal squamous cell carcinoma patient-derived xenografts

Lilja-Fischer, J. K., Ulhøi, B. P., Alsner, J., Stougaard, M., Thomsen, M. S., Busk, M., Lassen, P., Steiniche, T., Nielsen, V. E. & Overgaard, J., 1. Oct 2019, In: Acta Oncologica. 58, 10, p. 1489-1494

Reappraisal of shear wave elastography as a diagnostic tool for identifying thyroid carcinoma

Swan, K. Z., Bonnema, S. J., Jespersen, M. L. & Nielsen, V. E., 1. Aug 2019, In: Endocrine Connections. 8, 8, p. 1195-1205

Pediatric malignancies presenting in the head and neck

Lilja-Fischer, J. K., Schrøder, H. & Nielsen, V. E., 1. Mar 2019, In: International Journal of Pediatric Otorhinolaryngology. 118, p. 36-41

Is serum TSH a biomarker of thyroid carcinoma in patients residing in a mildly iodine-deficient area?

Swan, K. Z., Nielsen, V. E., Godballe, C., Thrane, J. F., Mortensen, M. R., Schytte, S., Pedersen, H. B., Christiansen, P. & Bonnema, S. J., Aug 2018, In: *Endocrine*. 61, 2, p. 308–316

Is the reproducibility of shear wave elastography of thyroid nodules high enough for clinical use? A methodological study

Swan, K. Z., Nielsen, V. E., Bibby, B. M. & Bonnema, S. J., Apr 2017, In: *Clinical Endocrinology*. 86, 4, p. 606-613

Post-operative parathyroid hormone can be used as a predictor of normocalcaemia after total thyroidectomy.

Nimeh Abdel-Halim, C., Rejnmark, L. & Nielsen, V. E., 1. Nov 2015, In: *Danish Medical Journal*. 62, 11, A5157.

Substantial interobserver variation of thyroid volume and function by visual evaluation of thyroid (99m)Tc scintigraphy

Soelberg, K., Grupe, P., Boel-Jørgensen, H., Jørgensen, P., Fast, S., Nielsen, V. E., Hegedüs, L. & Bonnema, S. J., Feb 2014, In: *Danish Medical Journal*. 61, 2, 5 p., A4768.

Prestimulation with Recombinant Human Thyrotropin (rhTSH) Improves the Long-Term Outcome of Radioiodine Therapy for Multinodular Nontoxic Goiter

Fast, S., Nielsen, V. E., Grupe, P., Boel-Jørgensen, H., Bastholt, L., Andersen, P., Bonnema, S. J. & Hegedüs, L., 2012, In: *The Journal of Clinical Endocrinology & Metabolism*. 97, 8, p. 2653-60 8 p.

Lærebog i Øre-næse-halssygdomme og hoved- og halskirurgi

Godballe, C., Bilde, A., Kjeldsen, A. D., Petersen, C. G., Tauris, J. H., Kirkegaard, J., Lambertsen, K., Larsen, K., Nielsen, L. H., Klokke, M., Rasmussen, N., Hilberg, O., Homøe, P., Bundgaard, T., Nielsen, V. E., Grøntved, Å. M., Klug, T. E., Pedersen, U., Berg, S. & Svensson, P. & 2 others, Ovesen, T. (Editor) & von Buchwald, C. (Editor), 2011, Munksgaard . 352 p.

Serum thyroxine and age - rather than thyroid volume and serum TSH - are determinants of the thyroid radioiodine uptake in patients with nodular goiter

Bonnema, S. J., Fast, S., Nielsen, V. E., Boel-Jørgensen, H., Grupe, P., Andersen, P. B. & Hegedüs, L., 2011, In: *Journal of Endocrinological Investigation*. 34, 3, p. 52-7 6 p.

Recombinant human thyrotropin-stimulated radioiodine therapy of nodular goiter allows major reduction of the radiation burden with retained efficacy

Fast, S., Hegedüs, L., Grupe, P., Nielsen, V. E., Bluhme, C., Bastholt, L. & Bonnema, S. J., 1. Aug 2010, In: *The Journal of Clinical Endocrinology & Metabolism*. 95, 8, p. 3719-25 6 p.

Månedens billede

Nielsen, V. E., Wetke, R., Sørensen, L. & Ovesen, T., 25. Jan 2010, In: *Ugeskrift for Læger*. 172, 4, p. 294

Dose-dependent acute effects of recombinant human TSH (rhTSH) on thyroid size and function. Comparison of 0.1, 0.3 and 0.9 mg of rhTSH

Fast, S., Nielsen, V. E., Bonnema, S. J. & Hegedüs, L., 8. Jun 2009, In: *Clinical Endocrinology*. 72, 3, p. 411-416

Optimizing 131I Uptake After rhTSH Stimulation in Patients with Nontoxic Multinodular Goiter: Evidence from a Prospective, Randomized, Double-Blind Study

Fast, S., Nielsen, V. E., Grupe, P., Bonnema, S. J. & Hegedüs, L., 1. May 2009, In: *Journal of Nuclear Medicine*. 50, 5, p. 732-7 5 p.

The optimal time interval to increase radioiodine uptake in a multinodular goiter is 24 hours after recombinant human thyrotropin administration

Fast, S., Nielsen, V. E., Bonnema, S. J., Hegedüs, L. & Grupe, P., 1. Jan 2009, In: *Clinical Thyroidology*. 21, 6, p. 13-14 2 p.

Time to reconsider nonsurgical therapy of benign nontoxic multinodular goitre. Focus on recombinant human TSH (rhTSH) augmented radioiodine therapy

Fast, S., Nielsen, V., Bonnema, S. & Hegedüs, L., 2009, In: *European Journal of Endocrinology*. 160, 4, p. 517-528

Recombinant human thyrotropin-stimulated radioiodine therapy of large nodular goiters facilitates tracheal decompression and improves inspiration

Bonnema, S. J., Nielsen, V. E., Boel-Jørgensen, H., Grupe, P., Andersen, P. B., Bastholt, L. & Hegedüs, L., 1. Oct 2008, In: The Journal of Clinical Endocrinology & Metabolism. 93, 10, p. 3981-4 3 p.

Recombinant human TSH (rhTSH) augmented radioiodine treatment of benign multinodular goitre

Fast, S., Nielsen, V. E., Bonnema, S. J. & Hegedüs, L., 1. Feb 2008, In: hot thyroidology. 12 p.

Improvement of goiter volume reduction after 0.3 mg recombinant human thyrotropin-stimulated radioiodine therapy in patients with a very large goiter: a double-blinded, randomized trial

Bonnema, S., Nielsen, V. E., Boel-Jørgensen, H., Grupe, P., Andersen, P. B., Bastholt, L. & Hegedüs, L., 1. Sept 2007, In: The Journal of Clinical Endocrinology & Metabolism. 92, 9, p. 3424-3428 5 p.

Stimulation med 0,3 mg rekombinant human thyrotropin øger effekten af 131 I-behandling hos patienter med atoksisk nodulær struma: En prospektiv, randomiseret, dobbeltblindet undersøgelse - sekundærpublikation

Nielsen, V. E., Bonnema, S. J., Jørgensen, H. B., Grupe, P. & Hegedüs, L., 20. Nov 2006, In: Ugeskrift for Læger. 168, 47, p. 4098-4101

Stimulation with 0.3-mg recombinant human thyrotropin prior to iodine 131 therapy to improve the size reduction of benign nontoxic nodular goiter: a prospective randomized double-blind trial

Nielsen, V. E., Bonnema, S. J., Boel-Jørgensen, H., Grupe, P. & Hegedüs, L., 24. Jul 2006, In: Archives of Internal Medicine. 166, 14, p. 1476-82 6 p.

A randomized double-blinded trial of 0,3 mg rhTSH pre-stimulated radiodine therapy in patients with a very large goitre. Improvement of goitre volume reduction, tracheal compression and lung function

Bonnema, S., Nielsen, V. E., Boel-Jørgensen, H., Grupe, P., Andersen, P., Bastholt, L. & Hegedüs, L., 2006, *Hot Thyroidology: ETA Abstract Book*. p. 128

Effects and side effects of recombinant human thyrotropin (rhTSH), with special reference to the use in combination with 131I therapy, in patients with benign nontoxic nodular goiter

Nielsen, V. E., 2006, Odense: Syddansk Universitetsforlag.

External dose rates in radioiodine treatment of benign goitre: Estimation versus direct measurement

Boel Jørgensen, H., Høilund-Carlsen, P. F. & Egsgaard Nielsen, V., 2006, In: Scandinavian Journal of Clinical & Laboratory Investigation. 66, p. 509-516

Radioiodine therapy in non-toxic multinodular goitre: The possibility of effect-amplification with recombinant human TSH (rhTSH)

Bonnema, S. J., Nielsen, V. E. & Hegedüs, L., 2006, In: Acta Oncologica. 45, 8, p. 1051-1058

Stimulation med 0,3 mg rekombinant human thyrotropin (rhTSH) øger effekten af 131I behandling hos patienter med atoksisk nodulær struma: En prospektiv, randomiseret, dobbeltblindet undersøgelse - sekundærpublikation

Nielsen, V. E., Boel-Jørgensen, H., Grupe, P., Bonnema, S. & Hegedüs, L., 2006, In: Ugeskrift for Læger. 47, p. 4098-4101

Stimulation with 0.3-mg recombinant human thyrotropin prior to iodine 131 therapy to improve the size reduction of benign nontoxic goiter: A prospective randomized double-blind trial

Bonnema, S., Nielsen, V. E., Jørgensen, H. B., Grupe, P. & Hegedüs, L., 2006, In: Archives of Internal Medicine. 166, 14, p. 1476-1482

Transient goiter enlargement after administration of 0.3 mg recombinant human thyrotropin in patients with benign nontoxic nodular goiter. A randomized, double-blind, cross-over trial

Nielsen, V. E., Bonnema, S. & Hegedüs, L., 2006, In: The Journal of Clinical Endocrinology & Metabolism. 91, p. 1317-1322

A rare case of orbital involvement in Riedel's thyroiditis

Egsgaard Nielsen, V., Hecht, P., Krogh, L. A. S., Andersen, P. B., Hegedüs, L. & Nielsen, V. E., 2003, In: Journal of Endocrinological Investigation. 26, p. 1032-1036

Undervisningsportfolio

1. Formel pædagogisk uddannelse

2011: Kursus i forskningsledelse, Region Midt

2012: Vejlederkursus for speciallæger, Region Midt

2. Uddannelsesadministrative opgaver

3. Erfaring med undervisning, vejledning og eksamen

Undervisning:

- Ekstern lektor ved Århus Universitet og ved SDU

2009: Afholdt undervisning i praktisk ultralydsscanning for lægerne på Afd. H

2011: Afholdt undervisning i praktisk ultralydsscanning regionens introduktionslæger i 2011

løbende på AUH og OUH: Undervisning af medicinske studenter under phd forløbet.

Vejledning:

- Initie medvejleder for Søren Fast, som fortsatte i et videre Phd-forløb på Syddansk Universitet, udsprunget af de Phd-projekter jeg udførte

- Supervisor for artikel om resultaterne af stritøre operationer udført ved regionshospitalet Viborg: Clinical outcome and patient satisfaction after otoplasty on children; results from 100 patients and literature review.

- Uddannelseskoordinerende yngre læge, øre,-næse-halsafdelingen Regionshospitalet Viborg 2011.

- 2013/2014: Hovedvejleder for phd studerende Kristine Zøylner Rubeck ved AU. Projektet omhandler risikostratificering af knuden i gld. thyroidea vha. anvendelse af shear-wave elastografi og BRAF mutationsanalyse på cytologiske præparater.

- 2014/2015: Medvejleder for phd studerende Jacob kinga Lilja-Fischer ved AU og Center for klinisk eksperimentel onkologi. Projektet omhandler den HPV positive, rygende patient med cancer cavum oris. Risiko og gen-profil.

- Vejleder for 10. semester studerende Chadi Abdel-Halim. Postoperative parathyroid hormone as a predictor of normocalcemia after total thyroidectomy. Karakter 12.

- Vejleder for 10. semester studerende Dhillon Shan. Is the size of the thyroid nodule a predictor of malignancy? A review. Karakter 7.

- Vejleder for forskningsprojekt ved phd studerende Jacob Lilja Fischer, omkring forekomst af børne cancer inden for Hoved-hals i samarbejde med pædiatrisk afdeling, Skejby.

- Vejleder for projekt ved phd studerende Jacob Lilja Fischer, vedr. effekten og validiteten af MR-scanning 2 måneder efter endt strålebehandling for hoved-halskræft hos patienter med lymfeknudemetastaser.

- Medvejleder for projektet: Disease specific quality of life in primary hyperparathyroidism sammen med Tanja Sikjaer, Lars Rolighed, Peer Christiansen og Lars Rejnmark, AU.

- Opstart af kvalitetsprojekt på afd. H, AUH, vedr. brugen af MR scanninger til patienter med thyreoideacancer. Opstart August 2016.

Eksamen

Underviser og eksaminator af 10.sem.stud fra AU (2013 og frem til 2017)

Opponent på phd forsvar ved cand.med Stefano Londeros afhandling: 'papillary thyroid carcinoma: clinical significance and metastatic potential' Forsvaret fandt sted den 8/1-2015 ved SDU

4. Metoder, materialer og redskaber

5. Uddannelsesudvikling og universitetspædagogisk (følge)forskning, herunder pædagogiske priser