Curriculum Vitae

Tobias Todsen, MD, PhD

Personal data

Name: Tobias Todsen
Born 11/02 1985, Svendborg.
Student from Aabenraa Gymnasium 2004.
Live with wife and three children in Copenhagen.

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Open educational websites (English): open-surgery.com | urt-sample.com | neckultrasound.com

Open educational websites (Danish): corona-podning.dk | akutul.cekuapp.dk

Video channels: vimeo.com/todsen | youtube.com/@todsen

Linkedin: linkedin.com/in/todsen

Personal website: todsen.com

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Short Curriculum Vitae

TOBIAS TODSEN, MD, PhD

BIO: My date of birth is 11th February 1985 and I live in Copenhagen with my wife and three children. I am an experienced clinical researcher and have led several multicenter randomized clinical trials with more than 25,000 participants in total. My main research area is within surgeon-performed ultrasound, and I have developed new techniques for transoral ultrasound and ultrasound-guided interventions. I am the course director for the biggest international Head & Neck Ultrasound Course which trained +100 physicians from more than 30 countries (neckultrasound.com). I am the president-elect for the Danish Society of Diagnostic Ultrasound and am leading an interdisciplinary group responsible for developing new European Ultrasound Society (EFSUMB) guidelines for H&N ultrasound. Further, I have more than ten years experience developing Virtual Reality apps, websites, and free online clinical videos with >70.000 views yearly: open-surgery.com | vimeo.com/todsen | youtube.com/@todsen

ACADEMIC QUALIFICATIONS

2016	• Doctor of Philosophy (PhD), University of Copenhagen.
2014	• Medical Doctor (MD). University of Copenhagen

EMPLOYMENTS AND CLINICAL TRAINING

2022 – present	• Consultant, Dept. of Otolaryngology-H&N Surgery, Rigshospitalet
2022 – present	• Associate Professor, University of Copenhagen
2019 – 2021	• Assistant Professor, University of Copenhagen
2016 – 2022	• Specialty registrar training, Otolaryngology-H&N Surgery, Køge/Rigshospitalet
2015 – 16	• Research Fellow, CAMES/Otolaryngology-H&N Surgery, Rigshospitalet
2014 – 15	• Foundation Doctor, Queen Ingrid's Hospital, Nuuk, Greenland

RESEARCH

I have published **53 peer-review publications**, **>1000 citations**, and an **H-index of 15** (Google Scholar). Several publications are in the highest surgical- and medical journals with **a mean of the top five impact factors on 40 (range 14 – 71)**. I have received more **than 2.5 million EURO in research funding** and am currently the main supervisor for one Ph.D. student, one postdoc, and three medical students during their master's thesis. I have held >20 oral scientific presentations, >5 invited lectures, three conference workshops, and wrote several textbook chapters.

TEACHING EXPERIENCE

2020 – present	• Course director for Copenhagen International Head & Neck Ultrasound Course
2021	• Author to a WHO guide for upper airway sampling techniques for SARS CoV-2 infection: https://youtu.be/jh6Is9oPyyw
2019	• Course director for AfHNS Neck Ultrasound Course, Harare, Zimbabwe
2018	• Faculty at the ACS Neck Ultrasound Course, Cape Town, South Africa.

ADMINISTRATIVE SERVICE

2022 – present	• President-Elect for the Danish Society of Diagnostic Ultrasound
2023	• Guest Editor for Diagnostics (Impact Factor 3.99)
2019 – 2022	• Case editor for the World Federation for Ultrasound in Medicine and Biology

HONOURS AND AWARDS

2023	• Winner of **Best Abstract**, International Congress of ORL-HNS, Seoul, S. Korea
2020	• Winner of **EFSUMB Young Investigator Award**, EUROSON, Bergen, Norway
2016	• Winner of the **Best Research Paper**. AMEE conference in Barcelona, Spain.

INNOVATION

2022	• Patency for a novel 3D ultrasound technology (appl. no. 22161064.5)

Education and employments

Education

2022	Certified Specialist in Otorhinolaryngology, Head and Neck Surgery
2016	PhD in Clinical Medicine, University of Copenhagen
2015	Authorization for independent medical practice, Dronning Ingrids Hospital, Greenland.
2014	Medical Doctor, University of Copenhagen.

Current employments

2022–current	Consultant. Department of Otorhinolaryngology, Head and Neck Surgery & Audiology, Copenhagen University Hospital, Rigshospitalet.
2022–current	Associate professor, Department of Clinical Medicine, University of Copenhagen

Previous employments and research positions

2021–2022	Specialty registrar. 12 month. Department of Otorhinolaryngology, Head and Neck Surgery & Audiology, Copenhagen University Hospital, Rigshospitalet.
2019–2021	Assistant professor, Department of Clinical Medicine, University of Copenhagen
2020-2021	Specialty registrar. 13 months. Department of Otorhinolaryngology and Maxillofacial Surgery, Zealand University Hospital, Køge, Denmark
2019-2020	Specialty registrar. 6 months. Private otolaryngology practice at Dr. Micheelsen in Birkerød.
2018	*Paternity leave*. Three months.
2017–19	Specialty registrar/post doc. 21 months. Department of Otorhinolaryngology, Head and Neck Surgery & Audiology, Copenhagen University Hospital, Rigshospitalet.
2016–17	Internship. Twelve months. Department of Otorhinolaryngology and Maxillofacial Surgery, Zealand University Hospital, Køge, Denmark
2016	*Paternity leave*. Two months.
2015–16	Research Fellow. Twelve months. Department of Otorhinolaryngology, Head and Neck Surgery & Audiology *and* Copenhagen Academy for Medical Education and Simulation, Copenhagen University Hospital, Rigshospitalet
2015	Internship in General Medicine. Six months. Center of Primary Health Care, Greenland
2014–15	Foundation doctor in Surgery. Six months. Department of Surgery, Queen Ingrid's Hospital, Nuuk, Greenland

2014 Foundation doctor in Internal Medicine. Six months. Department of Internal Medicine, Queen Ingrid's Hospital, Nuuk, Greenland

2012–13: Pregraduate Research Education. Twelve months. Copenhagen Academy for Medical Education and Simulation, Copenhagen University Hospital, Rigshospitalet

Research

Research output

Publications: 53
Citations (Google Scholar 07/6 2023): 1088
H-index (Google Scholar 07/6 2023): 15

Honors and awards

2023 Winner of the **Best Abstract award** at the International Congress of ORL-HNS, Seoul, South Korea

2021 Winner of the **2nd best Oral Presentation Award** by the Danish Society of Otolaryngology, Head and Neck Surgery. DSOHH conference in Nyborg, Denmark.

2020 Winner of the **EFSUMB Young Investigator award**, European Federation of Societies for Ultrasound in Medicine and Biology, EUROSON 2020, Bergen, Norway

Selected as **Clinical Emerging Investigator** by the Novo Nordisk Fondens Research Leader Programme including 8 million DKK in research funding for a five-year period.

2016 Winner of the **Research Paper Award** by the Association of Medical Education in Europe. AMEE conference in Barcelona, Spain.

2016 Rewarded with a travelling scholarship to residents in ORL-H&N surgery from the Danish Society of Otorhinolaryngology– Head and Neck.

2015 Rewarded with a travelling scholarship from the Danish Society of Diagnostic Ultrasound.

2011 Rewarded with a **scholarship** from The Medical Society of Copenhagen.

Peer-reviewed articles

Pubmed link: *https://pubmed.ncbi.nlm.nih.gov/?term=todsen+t&sort=date*

Total number of peer-review publications	**53**
Number of publications as first author	**24**
Number of publications as the last author	**12**

1. **Using Virtual Reality Head-Mounted Displays to Assess Skills in Emergency Medicine: Validity study.**

   Knudsen MH, Breindahl N, Dalsgaard TS, Isbye D, Mølbak AG, Tiwald G, Svendsen MBS, Konge L, Bergström J, **Todsen T**.

   J Med Internet Res. 2023;25:e45210. PMID: 37279049.

2. **Higher SARS-CoV-2 detection of Oropharyngeal compared to Nasopharyngeal or Saliva Specimen for Molecular Testing: A Multicentre Randomised Comparative Accuracy Study**

   Todsen T, Tolsgaard M, Folke F, Jakobsen KK, Ersbøll AK, Benfield T, von Buchwald C, Kirkby N.
   Thorax. 2023 May 19. Epub ahead of print. PMID: 37208187.

3. **Diagnostics and treatment of cysts of the neck.**

   Kaltoft M, Stage MG, **Todsen T**, Hahn CH.
   Ugeskr Laeger. 2023 Feb 27;185(9):V10220661. PMID: 36896617

4. **Lymfeknuder med "snowstorm sign".**

   Mogensen DV, **Todsen T**.
   Ugeskr Laeger. 2023;185(10):V71163. PMID: 36896607

5. **Head-to-Head Comparison of Nasopharyngeal, Oropharyngeal and Nasal Swabs for SARS-CoV-2 Molecular Testing.**

   Larsen KD, Jensen MM, Homøe AS, Arndal E, Samuelsen GB, Koch A, Nielsen XC,
   Homøe P, **Todsen T**.
   Diagnostics. 2023;13(2):283. PMID: 36673094

6. **3D Ultrasound versus Computed Tomography for Tumor Volume Measurement Compared to Gross Pathology-A Pilot Study on an Animal Model.**

   Makouei F, Ewertsen C, Agander TK, Olesen MV, Pakkenberg B, **Todsen T**.
   J Imaging. 2022;8(12):329. PMID: 36547494

7. **Comparison of SARS-CoV-2 Reverse Transcriptase Polymerase Chain Reaction and BinaxNOW Rapid Antigen Tests at a Community Site During an Omicron Surge.**

   Todsen T, Benfield T.
   Ann Intern Med. 2022;175(10):W119. PMID: 36252254

8. **Head and Neck Ultrasound - EFSUMB Training Recommendations for the Practice of Medical Ultrasound in Europe.**

   Todsen T, Ewertsen C, Jenssen C, Evans R, Kuenzel J.
   Ultrasound Int Open. 2022;8(1):E29-E34. PMID: 36212171

9. **Subjective and psychophysical olfactory and gustatory dysfunction among COVID-19 outpatients; short- and long-term results.**

   Jensen MM, Larsen KD, Homøe AS, Simonsen AL, Arndal E, Koch A, Samuelsen GB, Nielsen XC, **Todsen T**, Homøe P.
   PLoS One. 2022;17(10):e0275518. PMID: 36191024

10. **Spinal versus conventional fine needle for ultrasound-guided thyroid nodule biopsy: a protocol for a randomised clinical trial.**

    Andersen TV, Bennedbæk FN, Pedersen J, Rosenørn MR, Kiss K, Lelkaitis G, Andersen L, Hegedüs L, Lomholt AF, Hahn CH, Hvilsom GB, Homøe P, **Todsen T**.
    Dan Med J. 2022;69(8):A03220165. PMID: 35959834

11. **Valid and Reliable Assessment of Upper Respiratory Tract Specimen Collection Skills during the COVID-19 Pandemic.**

    Todsen T, Bohr A, Hovgaard LH, Eið RC, Benfield T, Svendsen MBS, Kirkby N, Konge L, von Buchwald C, Melchiors J, Tolsgaard M.
    Diagnostics. 2021;11(11):1987. PMID: 34829333

12. **Accuracy of anterior nasal swab rapid antigen tests compared with RT-PCR for massive SARS-CoV-2 screening in low prevalence population.**

    Jakobsen KK, Jensen JS, **Todsen T**, Kirkby N, Lippert F, Vangsted AM, Klokker M, von Buchwald C.
    APMIS. 2022;130(2):95-100. PMID: 34758150

13. **Methods for collecting upper respiratory tract specimens for COVID-19 diagnostics.**

    Todsen T, Kirkby N, Lippert F, Benfield T, von Buchwald C.
    Ugeskr Laeger. 2021;183(33):V03210265. PMID: 34477099.

14. **Is oropharyngeal sampling a reliable test to detect SARS-CoV-2?**

    Todsen T, Kirkby N, Benfield T.
    Lancet Infect Dis. 2021;21(10):1348. PMID: 34363773

15. **Optimal Insertion Depth for Nasal Mid-Turbinate and Nasopharyngeal Swabs.**

    Callesen RE, Kiel CM, Hovgaard LH, Jakobsen KK, Papesch M, von Buchwald C, **Todsen T**.
    Diagnostics. 2021;11(7):1257. PMID: 34359340

16. **Danish citizens' preferences for at-home oropharyngeal/nasal SARS-CoV-2 specimen collection.**

    Bundgaard JS, Raaschou-Pedersen DT, **Todsen T**, Ringgaard A, Torp-Pedersen C, Von Buchwald C, Iversen K, Bundgaard H.
    Int J Infect Dis. 2021;109:195-198. PMID: 34216732

17. **Accuracy and cost description of rapid antigen test compared with reverse transcriptase-polymerase chain reaction for SARS-CoV-2 detection.**

Jakobsen KK, Jensen JS, **Todsen T**, Tolsgaard MG, Kirkby N, Lippert F, Vangsted AM, Martel CJ, Klokker M, von Buchwald C.
Dan Med J. 2021;68(7):A03210217. PMID: 34169830.

18. SARS-CoV-2 in saliva, oropharyngeal and nasopharyngeal specimens.

Todsen T, Tolsgaard M, Folke F, Jakobsen KK, Ersbøll AK, Benfield T, von Buchwald C, Kirkby N.
Dan Med J. 2021;68(5):A01210087. PMID: 33832565.

19. Surgeon-performed Transoral Ultrasound-Guided Aspiration of Peritonsillar Abscess.

Todsen T, Stage MG, Hahn CH.
Laryngoscope. 2021;131(10):2241-2245. PMID: 33742694.

20. Head and neck ultrasound examination.

Todsen T, Melchiors J, Larsen KD, Charabi B, von Buchwald C.
Ugeskr Laeger. 2021;183(7):V09200663. PMID: 33660597.

21. [Ødem af uvula efter inhalation af lattergas].

Holst P, **Todsen T**.
Ugeskr Laeger. 2020;182(53):V71041. PMID: 33463520.

22. Ultrasound-guided fine-needle aspiration biopsy of thyroid nodules.

Todsen T, Bennedbaek FN, Kiss K, Hegedüs L.
Head Neck. 2021;43(3):1009-1013. PMID: 33368812.

23. Effectiveness of Adding a Mask Recommendation to Other Public Health Measures to Prevent SARS-CoV-2 Infection in Danish Mask Wearers: A Randomized Controlled Trial.

Bundgaard H, Bundgaard JS, Raaschou-Pedersen DET, von Buchwald C, **Todsen T**, Norsk JB, Pries-Heje MM, Vissing CR, Nielsen PB, Winsløw UC, Fogh K, Hasselbalch R, Kristensen JH, Ringgaard A, Porsborg Andersen M, Goecke NB, Trebbien R, Skovgaard K, Benfield T, Ullum H, Torp-Pedersen C, Iversen K.
Ann Intern Med. 2021 Mar;174(3):335-343. PMCID: PMC7707213.

24. Ultrasound-guided radiofrequency ablation of benign symptomatic thyroid nodules.

Larsen KD, Håkansson K, Papesch M, **Todsen T**, Tofteng CL, Homøe P.
Ugeskr Laeger. 2020;182(43):V06200485. PMID: 33118499.

25. Otorhinolaryngologist performed transcervical versus transoral ultrasonography in the management of peritonsillar abscess.

Todsen T.
Am J Otolaryngol. 2021;42(5):102768. PMID: 33109415.

26. Self-Collected versus Healthcare Worker-Collected Swabs in the Diagnosis of Severe Acute Respiratory Syndrome Coronavirus 2.

Therchilsen JH, von Buchwald C, Koch A, Dam Nielsen S, Rasmussen DB, Thudium RF, Kirkby NS, Raaschou-Pedersen DET, Bundgaard JS, Iversen K, Bundgaard H, **Todsen T**.
Diagnostics. 2020;10(9):678. PMID: 32916801

27. **Face masks for the prevention of COVID-19 - Rationale and design of the randomised controlled trial DANMASK-19.**

    Bundgaard H, Bundgaard JS, Raaschou-Pedersen DET, Mariager AF, Schytte N, von Buchwald C, **Todsen T**, Skovgaard K, Trebbien R, Andersen MP, Benfield T, Ullum H, Torp-Pedersen C, Iversen K. Dan Med J. 2020;67(9):A05200363. PMID: 32829745.

28. **African Head and Neck Society Clinical Practice guidelines for thyroid nodules and cancer in developing countries and limited resource settings.**

    Zafereo M, Yu J, Onakoya PA, Aswani J, Baidoo K, Bogale M, Cairncross L, Cordes S, Daniel A, Diom E, Maurice ME, Mohammed GM, Biadgelign MG, Koné FI, Itiere A, Koch W, Konney A, Kundiona I, Macharia C, Mashamba V, Moore MG, Mugabo RM, Noah P, Omutsani M, Orloff LA, Otiti J, Randolph GW, Sebelik M, **Todsen T**, Twier K, Fagan JJ.
    Head Neck. 2020;42(8):1746-1756. PMID: 32144948.

29. **Point-of-care ultrasound for general practitioners: a systematic needs assessment.**

    Løkkegaard T, **Todsen T**, Nayahangan LJ, Andersen CA, Jensen MB, Konge L.
    Scand J Prim Health Care. 2020;38(1):3-11. PMID: 31955658

30. **Protocol for a randomised clinical trial of transoral ultrasound versus standard of care in the diagnosis of peritonsillar abscess.**

    Todsen T, Stage MG, Michaelsen SH, Tolsgaard MG, Melchiors J, Madsen AR, Hahn CH, Godballe C.
    Dan Med J. 2019;66(11):A5573. PMID: 31686648.

31. **Vedvarende periorbital hævelse hos en syvårig.**

    Todsen T, Djurhuus B.
    Ugeskr Laeger. 2019;181(16):V70255. PMID: 31036148.

32. **A Novel Technique for Intraoral Ultrasound-Guided Aspiration of Peritonsillar Abscess.**

    Todsen T, Stage MG, Holst Hahn C.
    Diagnostics. 2018;8(3):50. PMID: 30072648

33. **[Vedvarende stikkende fremmedlegemefornemmelse i svælg].**

    Todsen T, Jørkov A.
    Ugeskr Laeger. 2018;180(10):V69538. Danish. PMID: 29692323.

34. **Procedure-specific assessment tool for flexible pharyngo-laryngoscopy: gathering validity evidence and setting pass-fail standards.**

    Melchiors J, Petersen K, **Todsen T**, Bohr A, Konge L, von Buchwald C.
    Eur Arch Otorhinolaryngol. 2018;275(6):1649-1655. PMID: 29666918.

35. **Surgeon-performed ultrasonography.**

    Todsen T.
    Dan Med J. 2017;64(11):B5421. PMID: 29115210.

36. **Cost-Effectiveness of Mobile App-Guided Training in Extended Focused Assessment with Sonography for Trauma (eFAST): A Randomized Trial.**

Nilsson PM, **Todsen T**, Subhi Y, Graumann O, Nolsøe CP, Tolsgaard MG.
Ultraschall Med. 2017;38(6):642-647. PMID: 28950381.

37. **Competency-based assessment in surgeon-performed head and neck ultrasonography: A validity study.**

    Todsen T, Melchiors J, Charabi B, Henriksen B, Ringsted C, Konge L, von Buchwald C.
    Laryngoscope. 2018;128(6):1346-1352. PMID: 28868625.

38. **An Addition to the Technical Skills Assessment Toolbox.**

    Todsen T, Ringsted C.
    Ann Surg. 2017;266(2):e37. PMID: 28692565.

39. **Rating scale for the assessment of competence in ultrasound-guided peripheral vascular access – a Delphi Consensus Study.**

    Primdahl SC, **Todsen T**, Clemmesen L, Knudsen L, Weile J.
    J Vasc Access. 2016;17(5):440-445. PMID: 27516142.

40. **Self-directed simulation-based training of emergency cricothyroidotomy: a route to lifesaving skills.**

    Melchiors J, **Todsen T**, Nilsson P, Kohl AP, Bøttger M, Charabi B, Konge L,von Buchwald C.
    Eur Arch Otorhinolaryngol. 2016;273(12):4623-4628. PMID: 27380270.

41. **Woman with globulus sensation.**

    Todsen T, Lober A, Lyngaard F.
    Ugeskr Laeger. 2016;178(8):V67046. PMID: 27063200.

42. **Cricothyroidotomy - The emergency surgical airway.**

    Melchiors J, **Todsen T**, Konge L, Charabi B, von Buchwald C.
    Head Neck. 2016;38(7):1129-31. PMID: 27028109.

43. **Assessment of competence in focused assessment with sonography for trauma (FAST) examination.**

    Todsen T, Tolsgaard MG.
    J Trauma Acute Care Surg. 2016;80(2):353. PMID: 26595706.

44. **Transfer from point-of-care Ultrasonography training to diagnostic performance on patients--a randomized controlled trial.**

    Todsen T, Jensen ML, Tolsgaard MG, Olsen BH, Henriksen BM, Hillingsø JG, Konge L, Ringsted C. Am J Surg. 2016;211(1):40-5. PMID: 26323998.

45. **Developing an emergency ultrasound app - a collaborative project between clinicians from different universities.**

    Foss KT, Subhi Y, Aagaard R, Bessmann EL, Bøtker MT, Graumann O, Laursen CB, Weile J, **Todsen T**.
    Scand J Trauma Resusc Emerg Med. 2015;23:47. PMID: 26092581

46. **Preparing for emergency: a valid, reliable assessment tool for emergency cricothyroidotomy skills.**

Melchiors J, **Todsen T**, Nilsson P, Wennervaldt K, Charabi B, Bøttger M, Konge L, von Buchwald C.
Otolaryngol Head Neck Surg. 2015;152(2):260-5. PMID: 25385808.

47. **Effect of engaging trainees by assessing peer performance: a randomised controlled trial using simulated patient scenarios.**
Krogh CL, Ringsted C, Kromann CB, Rasmussen MB, **Todsen T**, Jørgensen RL, Jacobsen RB, Dahl JB, Konge L.
Biomed Res Int. 2014;2014:610591. PMC4054978.

48. **An integrable, web-based solution for easy assessment of video-recorded performances.**

Subhi Y, **Todsen T**, Konge L.
Adv Med Educ Pract. 2014;5:103-5. PMID: 24833946.

49. **[Development and use of web-based apps]**

Subhi Y, Foss KT, Henriksen M, **Todsen T**.
LOM 10/2014;7(1):12.

50. **Designing web-apps for smartphones can be easy as making slideshow presentations.**

Subhi Y, **Todsen T**, Ringsted C, Konge L.
BMC Res Notes. 2014;7:94. PMID: 24552200.

51. **Reliable and valid assessment of point-of-care ultrasonography.**

Todsen T, Tolsgaard MG, Olsen BH, Henriksen BM, Hillingsø JG, Konge L, Jensen ML, Ringsted C.
Ann Surg. 2015;261(2):309-15. PMID: 24509198.

52. **International multispecialty consensus on how to evaluate ultrasound competence: a Delphi consensus survey.**

Tolsgaard MG, **Todsen T**, Sorensen JL, Ringsted C, Lorentzen T, Ottesen B, Tabor A.
PLoS One. 2013;8(2):e57687. PMID: 23469051.

53. **Short- and long-term transfer of urethral catheterization skills from simulation training to performance on patients.**

Todsen T, Henriksen MV, Kromann CB, Konge L, Eldrup J, Ringsted C.
BMC Med Educ. 2013;13:29. PMID: 23433258

Book Chapters

1. **Todsen T**, Melchiors J. Chapter 32: [Nødtrakeotomi]. Cricothyroidotomy. In: Gjærde L, Subhi Y, Konge L, editor(s). Procedurehåndbogen. Munksgaard (Denmark), Ltd; 2014. P 86–88.

2. **Todsen T**, Melchiors J. Chapter 40: [Otoskopi]. Otoscopy. In: Gjærde L, Subhi Y, Konge L, editor(s). Procedurehåndbogen. Munksgaard (Denmark), Ltd; 2014. P 110–112.

3. **Todsen T**, Konge L: [Læring og uddannelse i klinisk ultralydskanning]. Point of Care Ultrasound Education: Christian B. Laursen and Ole Graumann, editors. Basal Klinisk Ultralydsdiagnostik. Munksgaard (Denmark), Ltd; 2017.

4. **Todsen T**, Melchiors J: [Hals ultralyd]. Neck ultrasound. In: Christian B. Laursen and Ole Graumann, editors. Basal Klinisk Ultralydsdiagnostik. Munksgaard (Denmark), Ltd; 2017.

5. **Todsen T, Hahn CH** [Ører] Ear. In: Jeppe LH Vinding and Karen L Ellekjær, editors. Klinisk basisbog. Munksgaard (Denmark), Ltd; 2018.

6. **Todsen T, Hahn CH** [Næse] Nose. In: Jeppe LH Vinding and Karen L Ellekjær, editors. Klinisk basisbog. Munksgaard (Denmark), Ltd; 2018.

7. **Todsen T, Hahn CH** [Mund og hals] Mouth and Throat. In: Jeppe LH Vinding and Karen L Ellekjær, editors. Klinisk basisbog. Munksgaard (Denmark), Ltd; 2018.

Review activity for

- Lancet Infectious Disease
- European Journal of Ultrasound
- Head and Neck
- Medical Education
- Cancers
- Ultrasound International Open
- Viruses
- Diagnostics
- BMC Medical Education
- Advances in Health Sciences Education

Chairmanship

2022 WFUMB congress 2023, Timişoara, Romania. Chair at an scientific session about ultrasound of salivary glands.

2018 AMEE conference 2018, Basel, Switzerland. Chair at a session at the. 5EE - Curriculum Evaluation.

Research funding

2023

Eurostars

1.400.000 DKK from Eureka Network Eurostars grant
(Rigshospitalet is part of a big grant application together with Lifeline Robotics and collaborators from the Netherlands and Spain)

Clinical validation of automatic swab robot for diagnostics of upper airway infections

120.000 DKK from Novo Nordisk Fonden

Scholarship for research year student

2022

500.000 DKK from BETA.HEALTH

A novel 3D ultrasound technique to assess surgical margins in cancer surgery

300.000 DKK from Toyota Fonden

PET-CT-Ultrasound fusion for diagnostic work-up of head and neck cancer

1.499.723 DKK from Innovation Fund Denmark

A novel 3D ultrasound technique to assess surgical margins in cancer surgery

2021

5.774.254 DKK fra Novo Nordisk Fonden

SARS-CoV-2 in saliva, oropharyngeal, and nasopharyngeal specimen – a clinical trial

225.000 DKK fra Aage og Johanne Louis-Hansens Fond 2021

SARS-CoV-2 in saliva, oropharyngeal, and nasopharyngeal specimen – a clinical trial

2020

8.045.969 DKK fra Novo Nordisk Fonden 2020

Transoral ultrasound to improve diagnostic work-up of patients suspected with Oropharyngeal cancer

540.000 DKK fra Rigshospitalets forskningsfond

Surgeon-performed ultrasound to improve cancer diagnostics

2019

200.000 DKK fra Toyotafonden 2019

Transoral ultrasound to improve diagnostic work-up of patients suspected with Oropharyngeal cancer

2018

500.000 DKK fra Rigshospitalets-OUH samarbejdsfond

Transoral ultralydsvejledt aspiration af peritonsilær abscesser – et multicenter RCT

2017

189.000 DKK fra Undervisningskvalitetspuljen (*co-applicant*)

360-graders VR video om den akutte patient.

55.000 DKK fra Kræftens Bekæmpelse

360-graders virtual reality video i sikker kirurgi

2015

50.000 DKK fra Edgar Schnohr Fond 2015

Løntilskud til sammenskrivning af Ph.D.

380.000 DKK fra Undervisningskvalitetspuljen (*co-applicant*)

Online forberedelse af kirurgiske teknikker til kliniske ophold

2013

140.000 DKK fra Undervisningskvalitetspuljen (*co-applicant*)

Undervisning af kliniske lektorer i brug af video i den kliniske undervisning

160.000 DKK fra Undervisningskvalitetspuljen (*co-applicant*)

Videobaseret undervisning i akutte luftvejslidelser

2012

400.000 DKK fra Undervisningskvalitetspuljen (*co-applicant*)

Optimering af den kliniske træning ved brug af applikation og selvregulatoriske læringsstrategier

2011

120.000 DKK fra Det Medicinske Selskab København (DMSK)

Skolarstipendiat

2010

350.000 DKK fra Undervisningskvalitetspuljen (*co-applicant*)

Instruktionsvideoer til træning af kliniske færdigheder

Funding in total (as the main applicant): 19.2 MIO DKK

Invited presentations

2023 Invited Speaker at the EUROSON conference, Riga, Latvia

Invited Speaker at the International Congress of ORL-HNS 2023, Seoul, South Korea

Invited Speaker at the Symposium on Extended Reality
hosted by the Department of Computer Science, University of Copenhagen

Invited Speaker at the AI in Medicine conference at Rigshospitalet organized by Copenhagen MedTech

2022

Invited Speaker at the WFUMB congress 2023, Timişoara, Romania.

Invited Speaker at the Winfocus World Congress, online.

2019 Invited as Speaker at the RIME conference, Copenhagen, Denmark

2018 Guest Lecture at the 17th Copenhagen–Nottingham Ear, Nose and Throat Dissection Course, Copenhagen, Denmark

2017 Invited Speaker at the National meeting for the Danish Society of Otorhinolaryngology – Head and Neck Surgery, Nyborg, Denmark

2016 Invited Speaker at the EFSUMB Joint Committee about Student Education in point-of-care Ultrasound. EUROSON conference, Leipzig.

2015 Invited Speaker at the AMS Phoenix 2015 Conference. Faculty of Medicine at the University of Toronto. Toronto Cananda.

2015 Invited Speaker at the Autumn meeting in the Danish Society of Diagnostic Ultrasound. Aarhus.

Teaching and e-learning

Teaching experience

2019-current	Teacher of Otorhinolaryngology residents (A-kursus) in Intraoral Ultrasound (1 hour) on early basis. Odense University Hospital (OUH), Odense Denmark.
2019-current	Teacher of Otorhinolaryngology residents in Head and Neck Ultrasound. Copenhagen Academy for Medical Education and Simulation, Rigshospitalet (4 hours). One – two times a year.
2019-current	Teacher in basic ultrasound skills for physicians. Copenhagen Academy for Medical Education and Simulation, Rigshospitalet (3 hours). 4-6 times a year.
2020	Teacher of Otorhinolaryngology residents and ward nurses in emergency ENT cases. Department of Otorhinolaryngology and Maxillofacial Surgery, Zealand University Hospital, Køge, Denmark (14 hours simulation training)
2018	Faculty at the American College of Surgeons' Thyroid, Parathyroid, and Neck Ultrasound Course. Cape Town, South Africa. (7,5 hours).
	Teacher of Otorhinolaryngology residents in Intraoral Ultrasound. Department of Otorhinolaryngology, Head and Neck Surgery, Odense University Hospital (OUH), Odense Denmark (2 hours)
	Teacher of Otorhinolaryngology residents in Intraoral Ultrasound. Department of Otorhinolaryngology, Head and Neck Surgery & Audiology, Copenhagen University Hospital, Rigshospitalet. (8 hours).
2015-17	Teacher of medical students and nursing students in interdisciplinary communication skills. Copenhagen Academy for Medical Education and Simulation, Rigshospitalet (64 hours).
2014	Teacher of nursing students in emergency conditions in Otolaryngology-Head and Neck Surgery. Nursing school Nuuk, University of Greenland (4 hours).
2013	Course developer and teacher at a course for associate professors at the department of Clinical Medicine in how to make and integrate videos in their clinical teaching (14 hours). Centre for Clinical Education.
2008-2014	Peer Teacher at the Centre for Clinical Education teaching technical skills like ultrasound, resuscitation and life support, musculoskeletal examination, physical examination, and basic clinical skills (above 700 hours).

E-learning material

I have produced more than 70 clinical educational videos on Vimeo and Youtube with >70.000 online views early and >300.000 views in total (vimeo.com/todsen and youtube.com/@todsen). Further, I have developed four open-access educational website for clinical and surgical procedures. Lately I have been working with new technologies with 3D and 360-degree virtual reality video learning environments.

Websites and VR apps

An VR application for Ocuclus Rift with 360-degree VR videoes with integrated MCQ's for assessment of decision-making skills in emergency medicine. Offered as simulations course at CAMES, Rigshospitalet.

An open-access educational website about how to collect upper respiratory specimens for COVID-19 Testing. Editor and website & video producer.
https://www.urt-sample.com/ (English version) https://www.corona-podning.dk/ (Danish version)

An open-access atlas of basic surgical skills. Editor and website & video producer.
https://www.open-surgery.com

Webbased app about emergency ultrasound [In Danish]. Project coordinator and video developer.
http://akutul.cekuapp.dk/

Webbased app about clinical methods for the musculoskeletal examination [In Danish]. Project coordinator and video developer. http://led.cekuapp.dk/

Videos

A WHO videoinstruction about how to collect clinical specimens for COVID-19 testing. Author and video developer. https://youtu.be/jh6Is9oPyyw

360VR videoinstruction about the safety surgery checklist. Author and video developer.
https://www.youtube.com/watch?v=4hoP4gmqRPU&t=125s

Videoinstruction in Emergency surgical cricothyrotomy. Author and video developer
https://www.youtube.com/watch?v=XpcrsVNGoM4

Videoinstruction in basic suture technique for skin closure [In Danish]. Author and videodeveloper.
https://vimeo.com/33144565 /

Videoinstruction in peripheral iv insertion technique [In Danish]. Author and video developer.
https://vimeo.com/33148619

For more videoes see
https://vimeo.com/todsen or
https://www.youtube.com/channel/UCVjTgoLXFSrktxzqZFBNv3Q/videos

Workshops at scientific conferences

2023	Lecturer and hands-on instructor for Head and Neck Ultrasound Workshop during the EUROSON 2023 in Riga, Latvia
2019	Organizer and chair: Head and Neck Ultrasound Workshop for the African Head and Neck Society (AfHNS), 3rd AfHNS conference, Harare, Zimbabwe
2019	Chair at workshop: Videos in clinical teaching – a workshop on how to create and design videos for medical education. Research in Medical Education (RIME) Conference, Copenhagen, Denmark
2018	Chair at workshop: How to shoot, edit and distribute educational videos through Social Media (SoMe). Association of Medical Education in Europe Conference. Basel, Switzerland.

Administrative service

Administration positions

2023-current	Guest editor for Diagnostics (Impact Factor 3.9) https://www.mdpi.com/journal/diagnostics
2022-current	President-Elect for the Danish Society of Diagnostic Ultrasound
2021	Chairman for the national meeting of the Danish Society of Diagnostic Ultrasound (DUDS). Rigshospitalet, Copenhagen, Denmark.
2021	Presentation about URT sampling techniques for the Danish Health Authority (Sundhedsstyrelsen) COVID-19 Taskforce.
2019-present	Case editor for the World Federation for Ultrasound in Medicine and Biology.
2019-present	Board member of Danish Society of Diagnostic Ultrasound

Professional Society Membership

2019-present	Member of the Danish Society of Diagnostic Ultrasound
2014-present	Member of the Danish Society of Otorhinolaryngology – Head and Neck Surgery
2014-present	Member of the Medical Society of Copenhagen
2013-present	Member of the Danish Greenlandic Society for Circumpolar Health