

## Publications

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\* Key papers ¶ Papers on educational topics

### I. ORIGINAL SCIENTIFIC PUBLICATIONS (PEER REVIEWED)

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1. Salomo L, Salomo M, Andersen SA, Kamper AL. How to exhaust your bone marrow. *BMJ Case Rep*. 2013 Jun 21; 2013. (2 p).
2. Andersen SA, Mikkelsen PT, Noe KO, Sørensen MS. [Good experiences with interactive temporal bone surgical simulator]. *Ugeske Laeger*. 2014 Mar; 176(5):444–6. ¶
3. Andersen SA, Salomo L, Ralfkiær E, Kjelsen L. [Gelatinous transformation of the bone marrow caused by excessive physical activity and insufficient calorie intake]. *Ugeske Laeger*. 2014 Sep 15; 176(38):1720–1723.
4. Andersen SA, Aabenhus K, Glad H, Sørensen MS. Graft take-rates after tympanoplasty: results from a prospective ear surgery database. *Otol Neurotol*. 2014 Dec; 35(10):e292–7.
5. Andersen SA, Cayé-Thomasen P, Sølvsten Sørensen M. Mastoidectomy Performance Assessment of Virtual Simulation Training Using Final-Product Analysis. *Laryngoscope*. 2015 Feb; 125(2):431–5. ¶
6. Andersen SA, Kiss K. Primary temporal region squamous cell carcinoma diagnosed by a superficial temporal artery biopsy. *Eur Ann Otorhinolaryngol Head Neck Dis*. 2015 Apr; 132(2):91–2.
7. Andersen SA. Cross-platform digital assesment forms for performance rating of surgical skills. *J Educ Eval Health Prof*. 2015 Apr 17; 12:13. (4 p.) ¶
- \* 8. Andersen SA, Konge L, Cayé-Thomasen P, Sørensen MS. Learning curves of virtual mastoidectomy in distributed and massed practice. *JAMA Otolaryngol Head Neck Surg*. 2015; 141(10):913–918. ¶
9. Andersen SA, Öhman MC, Sørensen MS. The stability of short-term hearing outcome after stapedotomy: a prospective database study. *Acta Otolaryngol*. 2015 Sep; 135(9):871–9.
10. West N, Konge L, Cayé-Thomasen P, Sørensen MS, Andersen SA. Peak and ceiling effects in final-product analysis of mastoidectomy performance. *J Laryngol Otol*. 2015 Nov; 129(11):1091–6. ¶
11. Andersen SA, Cayé-Thomasen P, Sørensen MS. Novices perform better in virtual reality simulation than in traditional cadaveric dissection training of mastoidectomy. *Journal of Surgical Simulation*. 2015; 2:68–75. ¶
- \* 12. Andersen SA, Mikkelsen PT, Konge L, Cayé-Thomasen P, Sørensen MS. Cognitive load in mastoidectomy skills training: virtual reality simulation and traditional dissection compared. *J Surg Educ*. 2016 Jan-Feb; 73(1):45–50. ¶
13. Andersen SA, Konge L, Cayé-Thomasen P, Sørensen MS. Cognitive load in distributed and massed practice in virtual reality mastoidectomy simulation. *Laryngoscope*. 2016 Feb; 126(2):E74–9. ¶
14. Rasmussen SR, Konge L, Mikkelsen PT, Sørensen MS, Andersen SA. Notes from the Field: Secondary Task Precision for Cognitive Load Estimation during Virtual Reality Surgical Simulation Training. *Eval Health Prof*. 2016 Mar; 39(1):114–20. ¶
15. Andersen SA, Konge L, Cayé-Thomasen P, Sølvsten Sørensen M. Retention of mastoidectomy skills after virtual reality simulation training. *JAMA Otolaryngol Head Neck Surg*. 2016 Jul 1; 142(7):635–40. ¶

- \* 16. [Andersen SA](#), Mikkelsen PT, Konge L, Cayé-Thomasen P, Sørensen MS. The effect of implementing cognitive load theory based design principles in virtual reality simulation of surgical skills. *Advances in Simulation*. 2016; 1:20. (8 p.) ¶
- \* 17. [Andersen SA](#), Foghsgaard S, Konge L, Cayé-Thomasen P, Sørensen MS. The effect of self-directed virtual reality simulation on dissection training performance in mastoidectomy. *Laryngoscope*. 2016 Aug; 126(8):1883–8. ¶
18. Aabenhus K, [Andersen SA](#), Sørensen MS. Hearing results after tympanoplasty are stable short-term – a prospective database study. *Otol Neurotol*. 2016 Oct; 37(9):1335–43.
- \* 19. [Andersen SA](#), Konge L, Mikkelsen PT, Cayé-Thomasen P, Sørensen MS. Mapping the plateau of novices in virtual reality simulation training of mastoidectomy. *Laryngoscope*. 2017 Apr;127(4):907–914. ¶
20. Frithioff A, Sørensen MS, [Andersen SA](#). European status on temporal bone training: a questionnaire study. *Eur Arch Otorhinolaryngol*. 2018 Feb;275(2):357-363. ¶
21. Hovgaard LH, [Andersen SA](#), Dalsgaard T, Konge L, Rifbjerg C. Validity evidence for procedural competency in virtual reality robotic simulation, establishing a credible pass/fail standard for the vaginal cuff closure procedure. *Surg Endosc*. 2018 Oct;32(10):4200-4208. ¶
22. [Andersen SA](#), Konge L, Sørensen MS. The effect of distributed virtual reality simulation training on cognitive load during subsequent dissection training. *Med Teach*. 2018; 40(7):684–698. ¶
23. [Andersen SA](#), Foghsgaard S, Cayé-Thomasen P, Sørensen MS. The effect of a distributed virtual reality simulation training program on dissection mastoidectomy performance. *Otol Neurotol*. 2018 Dec; 39(10):1277-1284. ¶
- \* 24. [Andersen SA](#), Mikkelsen PT, Sørensen MS. Expert sampling of VR simulator metrics for automated assessment of mastoidectomy performance. *Laryngoscope*. 2019 Sep;129(9):2170–2177. ¶
25. [Andersen SA](#), Nayahangan LJ, Konge L, Melchior J. Identifying and prioritizing technical procedures in otorhinolaryngology for simulation-based training: a national needs assessment in Denmark. *Eur Arch Otorhinolaryngol*. 2019 May;276(5):1517-1524. ¶
26. Frederiksen JG, Sørensen SM, Konge L, Svendsen MB, Nobel-Jørgensen M, Bjerrum F, [Andersen SA](#). Cognitive load and performance in immersive virtual reality versus conventional virtual reality simulation training of laparoscopic surgery – a randomized trial. *Surg Endosc*. 2019 Jun 6 [Epub ahead of print]. ¶
27. Friend M, Thinggaard E, Konge L, Sørensen MS, [Andersen SA](#). Decentralized Virtual Reality Mastoidectomy Simulation Training: A Prospective, Mixed-Methods Study. *Eur Arch Otorhinolaryngol*. 2019 Oct;276(10):2783–2789. ¶
28. [Andersen SA](#), Guldager M, Mikkelsen PT, Sørensen MS. The effect of structured self-assessment in virtual reality simulation training of mastoidectomy. *Eur Arch Otorhinolaryngol*. 2019 Dec;276(12), 3345–3352. ¶
29. Rölfing JD, Nørskov JK, Paltved C, Konge L, [Andersen SA](#). Failure affects subjective estimates of cognitive load through a negative carry-over effect in virtual reality simulation of hip fracture surgery. *Advances in Simulation*. 2019;4:26.
30. Friend M, Cayé-Thomasen P, Konge L, Sørensen MS, [Andersen SA](#). Decentralized Virtual Reality Training of Mastoidectomy Improves Cadaver Dissection Performance: A Prospective, Controlled Cohort Study. *Otol Neurotol*. 2019 20 Dec [Epub ahead of print]. ¶
31. Kerwin T, Wiet G, Hittle B, Stredney D, Moberly A, De Boeck P, [Andersen SA](#). Standard setting of competency in mastoidectomy for the Cross-Institutional Mastoidectomy Assessment Tool. *Ann Otol Rhinol Laryngol*. 2019 Nov 15:3489419889376. ¶

32. [Andersen SA](#), Frendø M, Guldager M, Sørensen MS. Understanding the effects of structured self-assessment in directed, self-regulated simulation-based training of mastoidectomy: a mixed methods study. *J Otol.* 2019 23 Dec [Epub ahead of print]. ¶
33. [Andersen SA](#), Mikkelsen PT, Sørensen MS. The effect of simulator-integrated tutoring for guidance in virtual reality simulation training. *Simul Healthc.* 10 Jan 2020 [Epub ahead of print]. ¶
34. Guldager M, Melchior J, [Andersen SA](#). Development and validation of an assessment tool for technical skills in handheld otoscopy. *Ann Otol Rhinol Laryngol.* 2020 Jan 10 [Accepted]. ¶
35. Frithioff A, Frendø M, Mikkelsen PT, Sørensen MS, [Andersen SA](#). Ultra-high-fidelity virtual reality mastoidectomy simulation training—a randomized, controlled trial. *Eur Arch Otorhinolaryngol.* 2020 Feb 17 [Epub ahead of print]. ¶
36. Fagö-Olsen H, Lynggaard CD, Aanæs K, Cayé-Thomasen P, [Andersen SA](#). Developing a national e-learning course in Otorhinolaryngology: the Danish experience. *Eur Arch Otorhinolaryngol.* 2020 Feb 23 [Accepted]. ¶

## II. SCIENTIFIC REVIEWS (PEER REVIEWED)

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37. Al-Shahrestani F, Sørensen MS, [Andersen SA](#). Performance metrics in mastoidectomy training: A systematic review. *Eur Arch Otorhinolaryngol.* 2019 Mar;276(3):657-664. ¶

## III. OTHER PEER REVIEWED PUBLICATIONS

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38. [Andersen SA](#). Virtual reality simulation training of mastoidectomy - studies on novice performance. *Dan Med J.* 2016 Aug; 63(8). (21 p.) ¶
39. [Andersen SA](#), Kiss K. Carcinome épidermoïde temporal primitif diagnostiqué par biopsie de l'artère temporale superficielle. *Annales françaises d'Oto-rhino-laryngologie et de Pathologie Cervico-faciale.* 2015 Apr; 132(2):88–89.
40. Frithioff A, Sørensen MS, [Andersen SA](#). Authors' response to Commentary on "European status on temporal bone training: a questionnaire study". *Eur Arch Otorhinolaryngol.* 2018; 275(5):1351.
41. Frendø M, Damsgaard TE, [Andersen SA](#). "Letter to the Editor: Design and fabrication of a generic 3D-printed silicone unilateral cleft lip and palate model". *J Plast Reconstr Aesthet Surg.* 2019 Dec 5. [Epub ahead of print].

## IV. BOOK CHAPTERS AND BOOKS

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42. Mikkelsen PT, Sørensen MS, [Andersen SA](#). The Visible Ear Simulator Dissection Manual. Aug 2017. (75 p.)
43. Sørensen MS, Bloch SL, Cayé-Thomasen P, [Andersen SA](#). Copenhagen Otology & Neurotology Dissection Guide. Sep. 2017. (50 p.).
44. Wiet G, Sørensen MS, [Andersen SA](#). Otologic Skills Training. Book chapter in *Surgical Simulation in Otolaryngology*, ed. Malekzadeh S. *Otolaryngol Clin North Am.* 2017 Oct;50(5):933-945. ¶

## V. NON-SCIENTIFIC AND POPULAR PUBLICATIONS

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45. [Andersen SA](#), Routhier AV, Bak P, Vilmar AC. [Akutte onkologiske tilstande: klinik, udredning og behandling]. *Scandinavian Update Magazine.* 2010; 1:4–8.

## VI. PATENTS

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[None]