

Martin G. Tolsgaard (short CV)

Assistant Professor and postdoctoral fellow at the Centre for Clinical Education and the Juliane Marie Centre, Copenhagen University Hospital Rigshospitalet, Capital Region, Denmark.

Born 30th July 1982 in Copenhagen, Denmark, and graduated as MD in 2009 from the University of Copenhagen. Attained the PhD degree from the University of Copenhagen in 2012 in the topic of clinical skills training in undergraduate medical education. Continued research within the field of post-graduate medical education as a postdoctoral research fellow with primary focus on simulation and clinical skills assessment.

Scholarly activities include nine publications in peer-reviewed international journals as first author, 11 presentations at international conferences, author of two book chapters and reviewer for five journals dedicated to medical education.

Currently physician-member of the *Ethical Committee for the Capital Region*, Denmark, board member of the Research Training Committee under the *Danish Society of Obstetricians-Gynaecologists*, and board member of the *Danish Society of Junior Obstetricians-Gynaecologists*. Member of the 2013-2014 Innovation Task Force under the *The American Registry for Diagnostic Medical Sonography (ARDMS)* with the aim to establish credible standards for ultrasound training for healthcare providers in North America. From November 2013, associate editor of the peer-reviewed journal 'Perspectives in Medical Education'. From March 2014, assistant professor at the Faculty of Health and Medical Sciences, University of Copenhagen.

Education:

2012: PhD-degree from University of Copenhagen.

2011: Authorization for independent medical practice.

2009: Medical Doctor, University of Copenhagen.

Research positions

2014-: Assistant professor, Faculty of Health and Medical Sciences, Department of Clinical Medicine, University of Copenhagen.

2013-: Associate editor of 'Perspectives in Medical Education', Springer.

2013- : Postdoctoral Research Fellow, Juliane Marie Centre and Centre for Clinical Education: January 1st 2013 to present.

2013- : Board member of the Regional Ethical Committee for the Capital Region as one of five physician members.

2013- : Board member of the Research Training Committee under the Danish Society for Obstetrics-Gynaecology.

2009-2010: Research Fellow, Center for Clinical Education, Copenhagen University Hospital Rigshospitalet.

Peer-reviewed articles:

Todsen T, **Tolsgaard MG**, Olsen BH, BM Henriksen, JG Hillinsøe, Konge L, Jensen ML, Ringsted C. Reliable and valid assessment of point-of-care ultrasonography. *Ann Surg*. Accepted for publication Jan 8 2014.

Tolsgaard MG, Rasmussen MB, Tappert C, Sundler M, Sorensen JL, Ottesen B, Ringsted C, Tabor A. Which factors are associated with OB/GYN trainees' confidence in performing ultrasound examinations. *Ultrasound Obstet Gynecol*: Sep 17. doi: 10.1002/uog.13211.

Tolsgaard MG, Ringsted C, Dreisler E, Klemmensen A, Loft A, Sorensen JL, Ottesen B, Tabor A. Reliable and valid assessment of ultrasound competence in Obstetrics and Gynecology. *Ultrasound Obstet Gynecol*; Aug 30. doi: 10.1002/uog.13198..

Tolsgaard MG, Ringsted C. Using equivalence designs to improve methodological rigor in medical education trials. *Med Educ*;Feb 2014.

Tolsgaard MG. Clinical skills training in undergraduate medical education using a student-centered approach. *Dan Med J*. 2013 Aug;60(8):B4690.

Tolsgaard MG, Bjørck S, Rasmussen MB, Gustafsson A, Ringsted C. Improving efficiency in clinical skills training. A randomized trial. 2013 *J Gen Intern Med*. DOI: 10.1007/s11606-013-2378-4.

Tolsgaard MG, Todsen T, Sorensen JL, Ringsted C, Lorentzen T, Ottesen B, Tabor A. International multispecialty consensus on how to evaluate ultrasound competence: a delphi consensus survey. *PLoS One*. 2013;8(2):e57687. doi: 10.1371/journal.pone.0057687.

Tolsgaard MG, Arendrup H, Pedersen P, Ringsted C. Feasibility of self-directed learning in clerkships. *Med Teach*. 2013 Feb 27. [Epub ahead of print].

Tolsgaard MG, Arendrup H, Lindhardt BO, Hillingsø JG, Stoltenberg M, Ringsted C. Construct validity of the reporter-interpreter-manager-educator structure for assessing students' patient encounter skills. *Acad Med*. 2012 Jun;87(6):799-806.

Tolsgaard MG, Gustafsson A, Rasmussen MB, Høiby P, Müller CG, Ringsted C. Student teachers can be as good as associate professors in teaching clinical skills. *Med Teach*. 2007 Sep;29(6):553-7.

Book Chapters

The Handbook of Clinical Procedures [Procedure-bogen, eds. Konge & Subhi (In Danish)] Chapters 46 and 47 on vaginal delivery and the gynaecological examination. Munksgaard 2013

Presentations (only past 2 years).

- 2013 Tolsgaard MG. Psychometric properties of generic rating scales. Øresundssymposiet, Rigshospitalet, Denmark.
- 2013 Tolsgaard MG. Challenges to ultrasound training in obstetrics and gynecology: a survey across three Scandinavian countries. Short oral communication. International Society of Ultrasound in Obstetrics and Gynecology (ISUOG), Sydney, Australia.
- 2013 Tolsgaard MG, Dreisler E, Klemmensen A, Loft A, Sorensen JL, Ringsted C, Ottesen B, Tabor A. Is the Objective Structured Assessment of Ultrasound Skills a valid and reliable tool to assess ultrasound skills? Oral presentation. International Society of Ultrasound in Obstetrics and Gynecology (ISUOG), Sydney, Australia.
- 2013 Tolsgaard MG, Dreisler E, Klemmensen A, Loft A, Sorensen JL, Ringsted C, Ottesen B, Tabor A. Construct validity of a framework for assessing ultrasound skills – the Objective Structured Assessment of Ultrasound Skills. AMEE (Association of Medical Education in Europe), Prague, Czech Republic.
- 2013 Madsen ME, Konge L, Ringsted C, Nørgaard LN, Klemmensen A, Ottesen B, Tolsgaard MG. Do simulated performances correlate to subsequent clinical performances?. Association of Medical Education in Europe Conference, Prague, Czech Republic.
- 2013 Tolsgaard MG, Todsén T, Tabor A, Sorensen JL, Ringsted C, Lorentzen T, Ottesen B, Henriques C, Sorensen JL. Developing an ultrasound evaluation tool using a Delphi technique. Poster AMEE (Association of Medical Education in Europe), Lyon, France.
- 2012 September 13th. Short oral presentation: "International multispecialty of a generic scale for assessment of ultrasound skills". International Society of Ultrasound in Obstetrics & Gynecology Copenhagen, Denmark.
- 2012 August 29th. Poster presentation: "Developing an ultrasound evaluation tool using a Delphi technique". Association of Medical Education in Europe Conference. Lyon, France.

Teaching experience:

- 2012- Responsible for introductory course on transvaginal ultrasound for OB/GYN residents at Rigshospitalet (80 hours).
- 2011- Teacher at Basic Ultrasound Course for residents at Centre for Clinical Education (60 hours).
- 2009-2010 Course director and teacher at the Royal Danish Navy's Health course for Officers (40 hours).
- 2004-2012 Skills teacher at the Centre for Clinical Education teaching Advanced Life Support, Neurologic examination, musculoskeletal examination, physical examination, gynecological examination, and basic skills (more than 2000 hours).

2004-2010 Teaching assistant at the University of Copenhagen in courses on gross anatomy and histology (200 hours).

Board memberships and organizational work

2013- Board member of the Regional Ethical Committee for the Capital Region as one of five physician members.

2013- Board member of the Research Training Committee under the Danish Society for Obstetrics-Gynaecology.

2013- Member of the Committee for Specialist Training under the Danish Society for Obstetrics-Gynecology.

2012- Board member of the Danish Society of Junior Obstetricians and Gynecologists.

2012-2013 Member of OB/GYN Course Direction East Denmark (FYGO).

2011 Establisher of resident training and introduction program for psychiatric residents in Esbjerg Hospital.

2007-9 Founder and chair of Students' Pediatric Society at Copenhagen University.