

## UNIVERSITY OF BASEL, SWITZERLAND

### CURRICULUM VITAE

#### Alexander M Quaas, MD, PhD

Division Chair, Reproductive Endocrinology and Infertility  
Department of Obstetrics, Gynecology, & Reproductive Sciences, University Hospital Basel, Switzerland  
Email: alex\_quaas@hotmail.com

### EDUCATION AND TRAINING

#### Postgraduate Education and Training

- 2016-2018 Clinical Research/ Reproductive Scientist Training (CREST) Program [Joint clinician scientist training program by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), the Clinical Research Training Program (CRTP) at Duke University, and the American Society for Reproductive Medicine (ASRM)]
- 2014 - 2017 Master's Program in Clinical and Translational Science, University of Oklahoma Health Sciences Center, Oklahoma City
- 2014 - 2015 Faculty Leadership Program, University of Oklahoma Health Sciences Center, Oklahoma City
- 2010 - 2013 Fellowship, Reproductive Endocrinology and Infertility, University of Southern California, Los Angeles
- 2004 - 2008 Residency, Obstetrics and Gynecology, Brigham and Women's Hospital/Massachusetts General Hospital, Harvard University Medical School, Boston
- 2003 - 2004 Senior House Officer, Obstetrics and Gynecology, East and North Hertfordshire NHS Trust, Stevenage, United Kingdom
- 2002 - 2003 Junior House Officer, Medicine and Surgery, University of Manchester Medical School, Manchester, United Kingdom

#### Education

- 1999 - 2002 Doctor of Medicine, MB, ChB Honours  
University of Manchester Medical School, Manchester, United Kingdom
- 1998 - 2002 Doctor of Philosophy, Magna cum laude  
Albert-Ludwig University, Freiburg, Germany
- 1996 - 1998 Pre-clinical years of Medical School  
University of Berlin Medical School, Berlin, Germany

## **PROFESSIONAL EXPERIENCE**

### **Academic**

- 9/2021-present Division Chief, Section of Reproductive Endocrinology and Infertility, Department of Obstetrics and Gynecology, University of Basel, Switzerland
- 8/2017-8/2021 Associate Clinical Professor, Department of Obstetrics, Gynecology, & Reproductive Sciences, University of California San Diego, California
- 6/2017-7/2018 Kaderarzt / Attending Physician, Section of Reproductive Endocrinology and Infertility, Department of Obstetrics and Gynecology, University of Basel, Switzerland
- 2013 - 2017 Assistant Professor, Section of Reproductive Endocrinology and Infertility, Department of Obstetrics and Gynecology, University of Oklahoma College of Medicine, Oklahoma City
- 2008 - 2010 Clinical Instructor, Department of Obstetrics and Gynecology, Massachusetts General Hospital, Harvard University, Boston, MA

## **HONORS AND AWARDS**

- Interactive Associate Editor of the Year Award, awarded by the Editors of "Fertility and Sterility", 2019
- Medical Student Faculty Teaching Award, University of Oklahoma Department of Obstetrics and Gynecology, 2014 - 2017
- Reproductive Endocrine Award, 2012 PCRS Meeting, 2012
- Most Outstanding Paper, 2011 PCRS Meeting, 2011
- Harvard Medical School Resident Teaching Award, Obstetrics and Gynecology, 2005 - 2008
- Honours Award, Victoria University Medical School, 2002
- Hoelderlin Scholarship, German National Merit Foundation, 2001

## **BOARD AND PRACTICE CERTIFICATION**

- 2015 - Present Reproductive Endocrinology and Infertility, American Board of Obstetrics and Gynecology (ABOG), Active
- 2009 - Present Obstetrics and Gynecology, American Board of Obstetrics and Gynecology (ABOG), Active

## **LICENSURE**

- 2010 - Present Medical Doctor, State of California, Active
- 2017 – 2018 Medical Doctor, Switzerland, Inactive
- 2013 - Present Medical Doctor, State of Oklahoma, Active
- 2004 - 2010 Medical Doctor, Commonwealth of Massachusetts, Inactive

## SCHOLARSHIP

### Contracts, Grants, and Sponsored Research

\* indicates mentee

#### Completed

##### Grants

Hansen, K. R. (Site PI), **Quaas, A. M.** (Supporting Investigator), "Cooperative Multicenter Reproductive Medicine Network (RMN)," Sponsored by Eunice Kennedy Shriver National Institute of Child Health and Human Development, NIH/NICHD  
Grant/Contract Number: 1U10HD077680-1  
Total Direct Costs: \$1,522,769.00  
Additional Information: Direct Award \$1,198,553  
2013 - 2020

Craig, L. B. (Site PI), **Quaas, A. M.** (Supporting Investigator), "A Multicenter, Double-Blind, Randomized, Placebo-Controlled Study Evaluating Two Dose Regimens of Pulsatile GnRH Administered Subcutaneously via OmniPod Pump for Ovulation Induction in Female Subjects with Hypogonadotropic Hypogonadism Trial Code 000070," Sponsored by Ferring International Pharmascience Center US, Inc.  
Additional Information: Direct Award \$35,564  
2013 - 2017

**Quaas, A. M.** (Principal Investigator), Hansen, K. R. (Mentor), "Angiogenic profiles in in-vitro fertilization/embryo transfer (IVF/ET) treatments: relationship to pregnancy complications in IVF-conceived pregnancies," Sponsored by Presbyterian Health Foundation, Foundation  
Total Direct Costs: \$30,000.00  
2014 - 2016

Craig, L. B. (Site PI), **Quaas, A. M.** (Supporting Investigator), "A Multicenter, Prospective, Non-Interventional Study into the Value of AMH for the Assessment of Ovarian Reserve in Women Presenting to Fertility Clinics for Evaluation, in Conjunction with Other Clinical and Laboratory Findings," Sponsored by Roche Diagnostics  
Grant/Contract Number: CIM RD001547  
Total Direct Costs: \$256,780.00  
Additional Information: Direct Award \$215,125  
2014 - 2016

Craig, L. B. (Site PI), **Quaas, A. M.** (Supporting Investigator), "Characterizing the Reproductive Microbiome: The ChaRM Study," Sponsored by Oklahoma Clinical & Translational Science Institute/Oklahoma Shared Clinical & Translational Resource Pilot Grants Program  
Total Direct Costs: \$47,728.00  
2014

##### Clinical Trial Agreements

Craig, L. B. (Principal Investigator), **Quaas, A. M.** (Supporting Investigator), "Traditional clomiphene citrate administration versus a stair-step approach: a randomized controlled trial"  
2013 - 2015

## Other

Craig, L. B. (Principal Investigator), **Quaas, A. M.** (Supporting Investigator), "An exploration of predictive variables for increased pain during hysterosalpingogram"  
Additional Information: Departmental funding  
2013 - 2015

**Quaas, A. M.** (Principal Investigator), Park, A. (Co-Investigator)\*, "Clomiphene Citrate (CC) starting dose in Intrauterine Insemination (IUI) cycles for women under age 35 with unexplained infertility: is higher better?"  
Additional Information: Departmental funding  
2013 - 2015

**Quaas, A. M.** (Supporting Investigator), "Lifestyle factors and their impact on ovarian non-growing follicle number"  
Additional Information: Departmental funding  
2013 - 2015

**Quaas, A. M.** (Supporting Investigator), "Novel Markers of Ovarian Reserve"  
Additional Information: Departmental funding  
2013 – 2015

## Publications - Peer-Reviewed/Refereed

### Scientific/Scholarly Journals

1. Curchoe CL, Chang TA, Trolice MP, Telfer EE, **Quaas AM**, Kearns WG, Stern JE, Albertini DF. Protecting life in a time of war. J Assist Reprod Genet. 2022 Mar 28;1–3. [Editorial] PMID: 35344142
2. **Quaas AM**. Ovarian and intellectual hyperstimulation. F S Rep. 2021 Sep 4;2(4):374-375. [Editorial] PMID: 34934976
3. Zhou B, Anglin HP, **Quaas AM**. Molar pregnancy after in vitro fertilization with euploid single embryo transfer. F S Rep. 2021 Jan 22;2(2):146-149. [Case report / Review] PMID: 34278345
4. **Quaas AM**. Ovarian stimulation protocols: Don't immediately change a losing team. Fertil Steril. 2021 Sep;116(3):664-665. [Editorial] PMID: 34261603.
5. Trolice MP, Curchoe C, **Quaas AM**. Artificial intelligence-the future is now. J Assist Reprod Genet. 2021 Jul;38(7):1607-1612. [Editorial] PMID: 34231110
6. Fox CW, Stanhiser J, **Quaas AM**. Evidence of profound ovarian suppression on combined hormonal contraception resulting in dramatically different ovarian reserve testing and oocyte retrieval outcomes: case report and review of the literature. F S Rep. 2020 Sep 2;1(2):94-98. [Case report / Review] PMID: 34223224
7. **Quaas AM**, Paulson RJ. Is the endometrial receptivity analysis batting high enough to warrant widespread-or at least selective-use? Fertil Steril. 2021 Aug;116(2):341-342. [Editorial] PMID: 34176587.
8. **Quaas AM**. Triggering change in stimulation protocols: a matter of oocyte maturation and beyond. J Assist Reprod Genet. 2021 Jun;38(6):1285-1287. [Editorial] PMID: 33970369

9. **Quaas AM**, Manoj M. Infertility: still a largely uncovered and undertreated disease. *J Assist Reprod Genet.* 2021 May;38(5):1069-1070. [Commentary] PMID: 33909177
10. Pier BD, Havemann LM, **Quaas AM**, Heitmann RJ. Frozen-thawed embryo transfers: time to adopt a more "natural" approach? *J Assist Reprod Genet.* 2021 Aug;38(8):1909-1911. [Commentary] PMID: 33738681
11. Aydogan Mathyk B, **Quaas AM**. Obesity and IVF: weighing in on the evidence. *J Assist Reprod Genet.* 2021 Feb;38(2):343-345. [Commentary] PMID: 33447951
12. **Quaas AM**. ICSI for non-male factor: do we practice what we preach? *Journal of Assisted Reproduction and Genetics.* 2020 Nov 20:1-3. [Editorial] PMID: 33215354
13. **Quaas AM**, Kearns WG. Antenatal antioxidants to avert autism?. *Journal of Assisted Reproduction and Genetics.* 2020 Oct 20:1-3. [Editorial] PMID: 33083862
14. **Quaas AM**, Gavrizi SZ, Peck JD, Diamond MD, Hansen KR et al. Endometrial thickness following ovarian stimulation with gonadotropin, clomiphene, or letrozole for unexplained infertility, and association with treatment outcomes. *Fertility & Sterility, 2020.* [Original research] PMID: 32972733
15. **Quaas AM**. Social media in ART—# power or# peril? *Journal of Assisted Reproduction and Genetics.* 2020 May 28. [Editorial] PMID: 32468332
16. Harrison TN, **Quaas AM**, Chang RJ. Dose-Dependent Ovulation Rates and Endocrine Correlates of Ovulation in PCOS Patients Undergoing Letrozole Ovulation Induction: A Secondary Analysis of the PPCOSII Trial. In: *Reproductive Sciences* 2020 Mar 1 (Vol. 27, Suppl. 1, pp. 103A-103A). [Published Abstract]
17. **Quaas AM**, Legro RS. Pharmacology of medications used for ovarian stimulation. *Best Practice & Research Clinical Endocrinology & Metabolism.* 2019 Feb 1;33(1):21-33. [Review] PMID: 30470497
18. Weedon E, Kort J, **Quaas AM**, Baker V, Wild R, Hansen K. Luteal-phase progesterone supplementation in non-IVF treatment: a survey of physicians providing infertility treatment. *Human Fertility.* 2019 Jan 9:1-7. [Original Research] PMID: 30628506
19. Meldrum DR, **Quaas AM**, Su HI. Why is growth hormone underutilized for our most difficult IVF couples? *Fertility and Sterility.* 2018 Dec 1;110(7):1261-2. [Editorial] PMID: 30503118
20. **Quaas AM**, Pennings G. The current status of oocyte banks: domestic and international perspectives. *Fertility and Sterility.* 2018 Dec 1;110(7):1203-8. [Review] PMID: 30503106
21. **Quaas AM**. Local privileges not universal rights: geographic variations in the science and clinical practice of reproductive medicine. *Journal of Assisted Reproduction and Genetics.* 2018 Sep;35(9):1559-63. [Commentary] PMID: 29974368
22. Dubaut JP, Higuera NI, **Quaas AM**. Impact of Zika virus for infertility specialists: current literature, guidelines, and resources. *Journal of Assisted Reproduction and Genetics.* 2017 Oct 1;34(10):1237-50. [Review] PMID: 28687969
23. Burks HR, Baker M, **Quaas AM**, Bendikson KA, Chung K, Paulson RJ. The dilemma of counseling patients about poor prognosis: live birth after IVF with autologous oocytes in a 43-year-old woman with FSH levels above 30 mIU/mL. *Journal of Assisted Reproduction and Genetics.* 2017 Sep 1;34(9):1185-8. [Case Report] PMID: 28656538

24. Raman A, Dubaut JP, Burks HR, **Quaas AM**. Knowledge, attitudes and practices regarding ZIKA virus in patients presenting for infertility treatment and health care professionals. *Fertility and Sterility*. 2017 Sep 1;108(3): e328-9. [Published Abstract]
25. Conant RJ, Dubaut JP, Hansen KR, Craig L, Burks H, **Quaas AM**. Letrozole “stair-step” protocol in patients with polycystic ovary syndrome. *Fertility and Sterility*. 2017 Mar 1;107(3): e17. [Published Abstract]
26. **Quaas AM**. Angiogenic Profiles in In-vitro Fertilization: Relationship to Hypertensive Disorders of Pregnancy Including Pre-eclampsia. *Doctoral dissertation*, University of Oklahoma, 2017. [Original Research]
27. Weedon E, Javadian P, Nguyen E, Ketch C, Bhattacharya R, Wild RA, Hansen KR, **Quaas AM**. Angiogenic profiles in in-vitro fertilization/embryo transfer (IVF/ET) treatments: relationship to hypertensive complications in IVF-conceived pregnancies. *Fertility and Sterility*. 2016 Sep 1;106(3): e182. [Published Abstract]
28. **Quaas AM**, Hansen KR. The role of steroid hormone supplementation in non–assisted reproductive technology treatments for unexplained infertility. *Fertility and Sterility*. 2016 Dec 1;106(7):1600-7. [Review] PMID: 27793379
29. **Quaas AM**, Hansen KR. Time to “cool off”? Examining indications for “elective deferred frozen embryo transfer”. *Journal of Assisted Reproduction and Genetics*. 2016 Dec 1;33(12):1551-2. [Editorial] PMID: 27722935
30. Weedon E, Kort J, **Quaas AM**, Baker VL, Hansen KR. Progesterone supplementation for luteal phase support in non-assisted reproductive technology treatments-prevalence of use and practice patterns among infertility specialists. *Fertility and Sterility*. 2016 Sep 1;106(3): e326-7. [Published Abstract]
31. Pomeroy JE, Hough SR, Davidson KC, **Quaas AM**, Rees JA, Pera MF. Stem cell surface marker expression defines late stages of reprogramming to pluripotency in human fibroblasts. *Stem cells translational medicine*. 2016 Jul;5(7):870-82. PMID: 27160704
32. Paulson RJ, Chung K, **Quaas AM**, Mucowski SJ, Jabara SI, Bendikson KA. Low-dose human chorionic gonadotropin alone can complete follicle maturity: successful application to modified natural cycle in vitro fertilization. *Fertility and Sterility*. 2016 May 1;105(5):1228-31. [Original Research] PMID: 26852420
33. Reshef E, Craig L, Burks HR, Hansen KR, Sindhvani P, **Quaas AM**. Testosterone (T) use in male partners of couples presenting for the initial infertility evaluation: prevalence, usage patterns and fertility awareness. *Fertility and Sterility*. 2016 Feb 1;105(2): e35. [Published Abstract]
34. Peck JD, **Quaas AM**, Craig LB, Soules MR, Klein NA, Hansen KR. Lifestyle factors associated with histologically derived human ovarian non-growing follicle count in reproductive age women. *Human Reproduction*. 2016 Jan 1;31(1):150-7. [Original Research] PMID: 26497957
35. **Quaas AM**, Weedon EA, Hansen KR. On-label and off-label drug use in the treatment of endometriosis. *Fertility and Sterility*. 2015 Mar 1;103(3):612-25. [Review] PMID: 25637479
36. Weedon E, **Quaas AM**, Kort JD, Baker VL, Hansen KR. Progesterone Supplementation for Luteal Support in Infertility Treatments: Examining the Prevalence of Use in Infertility and General OB/GYN Clinics. *Fertility and Sterility*. 2015 Feb 1;103(2): e39-40. [Published Abstract]

37. Park AL, Craig LB, Hansen KR, Wild RA, **Quaas AM**. In Women Under 35 with Unexplained Infertility, IUI Cycle Outcomes Using 50 mg of Clomiphene Citrate are Similar to Those Using 100 mg. *Fertility and Sterility*. 2015 Feb 1;103(2): e31. [Published Abstract]
38. Craig LB, Hansen KR, Graves JS, **Quaas AM**, Zavy MT, Peck J. Shortened interval from semen processing to intrauterine insemination does not affect pregnancy rates. *Fertility and Sterility*. 2014 Sep 1;102(3): e353. [Published Abstract]
39. Park AL, Pham TQ, Craig L, Hansen K, Wild RA, **Quaas AM**. Clomiphene citrate (CC) starting dose in intrauterine insemination (IUI) cycles for women under age 35 with unexplained infertility: is higher better? *Fertility and Sterility*. 2014 Sep 1;102(3): e302-3. [Published Abstract]
40. Peck JD, **Quaas AM**, Craig LB, Soules MR, Klein NA, Hansen KR. Ethanol use and its association with ovarian non-growing follicle count. *Fertility and Sterility*. 2014 Sep 1;102(3): e150. [Published Abstract]
41. Park A, **Quaas AM**, Hansen KR, Porter B, Burks H, LaTasha BC. Predictors of pain associated with hysterosalpingography (HSG): A prospective cohort study. *Austin Journal of Womens Health*. 2014;1(2):4. [Original Research]
42. **Quaas AM**, Kono N, Mack WJ, Hodis HN, Felix JC, Paulson RJ, Shoupe D. The effect of isoflavone soy protein supplementation on endometrial thickness, hyperplasia and endometrial cancer risk in postmenopausal women: A randomized controlled trial. *Menopause*. 2013 Aug;20(8):840. [Original Research] PMID: 23422867
43. **Quaas AM**, Melamed A, Chung K, Bendikson KA, Paulson RJ. Egg banking in the United States: current status of commercially available cryopreserved oocytes. *Fertility and Sterility*. 2013 Mar 1;99(3):827-31. [Original Research] PMID: 23200684
44. **Quaas AM**, Chung K, Bendikson KA, Paulson RJ. Legal Implications of Commercial "Egg Banking": Variations in State Laws Concerning the Use of Cryopreserved Donor Oocytes in the USA. *Fertility and Sterility*. 2013 Mar 1;99(3): S5. [Published Abstract]
45. Bendikson KA, Chung K, Jabara S, **Quaas AM**, Mucowski S, Paulson RJ. Low-dose HCG Can Complete Follicle Maturity: The Unstimulated IVF Model. *Fertility and Sterility*. 2013 Mar 1;99(3): S28. [Published Abstract]
46. **Quaas AM**, Melamed A, Chung K, Bendikson KA, Paulson RJ. Egg banking in the USA: current status of commercially available cryopreserved oocytes. *Fertility and Sterility*. 2012 Sep 1;98(3): S65. [Published Abstract]
47. **Quaas AM**, Kono N, Mack WJ, Hodis H, Paulson RJ, Shoupe D. The Effect of Isoflavone Soy Protein (ISP) Supplementation on Endometrial Thickness, Hyperplasia and Endometrial Cancer Risk in Postmenopausal Women: A Randomized Controlled Trial. *Fertility and Sterility*. 2012 Mar 1;97(3): S6. [Published Abstract]
48. Lee HJ, **Quaas AM**, Wright DL, Toth TL, Teixeira JM. In vitro maturation (IVM) of murine and human germinal vesicle (GV)-stage oocytes by coculture with immortalized human fallopian tube epithelial cells. *Fertility and Sterility*. 2011 Mar 15;95(4):1344-8. [Original Research] PMID: 20864100
49. **Quaas AM**, Pomeroy J, Huang G, Paulson RJ, Pera M. Early markers of reprogramming in induced pluripotent stem cells (iPSCs): a timeline of key steps in the reprogramming process. *Fertility and Sterility*. 2011 Mar 15;95(4): S5. [Published Abstract]

50. **Quaas AM**, Missmer SA, Ginsburg ES. Gonadotropin-releasing hormone antagonist use is associated with increased pregnancy rates in ovulation induction–intrauterine insemination to in vitro fertilization conversions, independent of age and estradiol level on the day of human chorionic gonadotropin administration. *Fertility and Sterility*. 2010 Jan 15;93(2):605-8. [Original Research] PMID: 19324340
51. **Quaas AM**, Einarsson JI, Srouji S, Gargiulo AR. Robotic myomectomy: a review of indications and techniques. *Reviews in Obstetrics and Gynecology*. 2010;3(4):185. [Review] PMID: 21364851
52. Lee HJ, **Quaas AM**, Wright DL, Toth TL, Teixeira J. In vitro maturation (IVM) of murine and human germinal vesicle (GV) stage oocytes using variations of a human fallopian tube epithelial feeder cell system. *Fertility and Sterility*. 2009 Sep 1;92(3): S63. [Published Abstract]
53. **Quaas AM**, Berkowitz LR, Tracy EE. Evaluation of a formal mentoring program in an obstetrics and gynecology residency training program: Resident feedback and suggestions. *Journal of graduate medical education*. 2009 Sep;1(1):132-8. [Original Research] PMID: 21975720
54. **Quaas AM**, Einarsson JI. Laparoscopic Cornuotomy for Interstitial (Cornual) Pregnancy in a Fibroid Uterus. *Journal of Minimally Invasive Gynecology*. 2008 Nov 1;15(6):50S. [Published Abstract]
55. **Quaas AM**, Odem R, Narra V, Siegel C. Differentiation of adenomyomas from leiomyomas and normal myometrium on pelvic MR imaging-the role of Gadolinium enhancement. *Fertility and Sterility*. 2008 Sep 1;90: S22. [Published Abstract]
56. **Quaas AM**, Mueller PR, Kickham JM. Epiploic appendagitis mimicking pelvic inflammatory disease (PID). *European Journal of Obstetrics and Gynecology*. 2008;1(140):134-5. [Case Report] PMID: 17964706
57. **Quaas AM**, Dokras A. Diagnosis and treatment of unexplained infertility. *Reviews in obstetrics and gynecology*. 2008;1(2):69. [Review] PMID: 18769664
58. **Quaas AM**, Ginsburg ES. Prevention and treatment of uterine bleeding in hematologic malignancy. *European Journal of Obstetrics & Gynecology and Reproductive Biology*. 2007 Sep 1;134(1):3-8. [Review] PMID: 17467142
59. **Quaas AM**, Missmer SA, Ginsburg ES. GnRH antagonist use is associated with increased pregnancy rates in ovulation induction/intrauterine insemination (OI/IUI) to IVF conversions, independent of age and estradiol level at retrieval. *Fertility and Sterility*. 2007 Sep 1;88: S282-3. [Published Abstract]
60. Alperin M, **Quaas AM**, Johnson NR, Hornstein MD. Endometrial ablation in a woman with a persistent uterine hemorrhage due to acute promyelocytic leukemia: a case report. *The Journal of Reproductive Medicine*. 2007 Jun 1;52(6):548-50. [Case Report] PMID: 17694980
61. Luk J, **Quaas AM**, Garner E. The superinfection of a dermoid cyst. *Infectious diseases in obstetrics and gynecology*. 2007 Jan 1;2007. [Case Report] PMID: 17641723
62. **Quaas AM**, Curzen N, Garratt C. Non-clinical factors influencing the selection of patients with acute coronary syndromes for angiography. *Postgraduate medical journal*. 2004 Jul 1;80(945):411-4. [Original Research] PMID: 15254306
63. Huebner J, **Quaas AM**, Krueger WA, Goldmann DA, Pier GB. Prophylactic and therapeutic efficacy of antibodies to a capsular polysaccharide shared among vancomycin-sensitive and-



resistant enterococci. *Infection and Immunity*. 2000 Aug 1;68(8):4631-6. [Original Research]  
PMID: 10899866

### Book Chapters

1. Leonard WA, **Quaas AM** (2020). The Role of Gonadotropin-Releasing Hormone (GnRH) Agonists in the Treatment of Uterine Fibroids. In *Uterine Fibroids* ISBN 978-1-498-73920-7
2. **Quaas AM** (2019) A new global perspective: Geographic variations in the use of preimplantation genetic technologies to screen human embryos. In *Human Embryos and Preimplantation Genetic Technologies* 2019 Jan 1 (pp. 23-28). Academic Press. ISBN 978-0-128-16468-6
3. Wade K, **Quaas AM** (2017). Management of Risks Factors for Older Women: Osteoporosis and Cardiovascular Disease. In Springer online and print textbook "*Handbook of Gynecology*". ISBN 978-3-319-17002-2
4. **Quaas, AM** (2017) [Section Editor]. Infertility and Recurrent Pregnancy Loss. Springer online and print textbook "*Handbook of Gynecology*". ISBN 978-3-319-17002-2
5. **Quaas, AM** (2017) [Section Editor]. Menopause. Springer online and print textbook "*Handbook of Gynecology*". ISBN 978-3-319-17002-2
6. **Quaas AM** (2014). Infertility and Recurrent Pregnancy Loss. *Glass' Office Gynecology*. 2014:205-33. ISBN 978-1-608-31820-9
7. **Quaas AM**, Quaas P, Quaas L (2014). Ernährung in Schwangerschaft und Stillzeit. In Biesalski, H. K. (Ed.), Ernährungsmedizin (chapter 17, 4th ed., pp. 224-231). Thieme Medical Publishing Group. ISBN 978-3-13-100294-5
8. Quaas L, **Quaas AM** (2004). Ernährung in Schwangerschaft und Stillzeit (Nutrition in pregnancy and the puerperium, book chapter in German). In Biesalski, H. K. (Ed.), Ernährungsmedizin (chapter 17, 3rd ed., pp. 224-231). Thieme Medical Publishing Group. ISBN 978-3-13-100294-5

## Innovative Teaching Materials - Peer-Reviewed/Refereed

1. **Quaas, A. M.** (2013). *Reproductive Medicine Teaching Conference*, OUHSC/SCM
2. **Quaas, A. M. (2007).** *Ectopic Pregnancy*, CREOG Resident Quiz Series, American College of Obstetricians and Gynecologists.
3. **Quaas, A. M. (2007).** *Endometrial Cancer*, CREOG Resident Quiz Series, American College of Obstetricians and Gynecologists.

## PRESENTATIONS

### Abstracts

\* indicates mentee

#### **National/International**

1. **Quaas AM**, Gavrizi SZ\*, Peck JD, Diamond MD, Hansen KR et al. Endometrial thickness following ovarian stimulation with gonadotropin, clomiphene, or letrozole for unexplained infertility, and association with treatment outcomes. Oral presentation at the (virtual) ASRM 73rd Annual Meeting / ASRM 2020 Virtual Scientific Congress & Expo
2. Quaas P\*, Quaas AM, Fischer M, De Geyter C. High Live Birth Rates with Low Multiple Pregnancy Rates: over two Decades' Experience of Pulsatile GnRH Pump Use for Ovulation Induction in Patients with Functional Hypothalamic Amenorrhea. Oral presentation at the (virtual) ASRM 73rd Annual Meeting. Oral presentation at the (virtual) ASRM 73rd Annual Meeting / ASRM 2020 Virtual Scientific Congress & Expo
3. Harrison TN, **Quaas AM**, Chang RJ. Dose-Dependent Ovulation Rates and Endocrine Correlates of Ovulation in PCOS Patients Undergoing Letrozole Ovulation Induction: A Secondary Analysis of the PPCOSII Trial. Oral presentation at the 2020 67<sup>th</sup> SRI Annual Scientific Meeting in Vancouver (cancelled due to Covid-19)
4. Raman A\*, Dubaut JP, Burks HR, **Quaas AM**. Knowledge, attitudes and practices regarding ZIKA virus in patients presenting for infertility treatment and health care professionals. ASRM 70th Annual Meeting, San Antonio, TX, Poster. October 2017.
5. Conant RJ\*, Dubaut JP, Hansen KR, Craig L, Burks H, **Quaas AM**. Letrozole "stair-step" protocol in patients with polycystic ovary syndrome. PCRS 65th Annual Meeting, Rancho Mirage, CA, Poster. 2017.
6. Weedon E\*, Javadian P\*, Nguyen E\*, Ketch C\*, Bhattacharya R, Wild RA, Hansen KR, **Quaas AM**. Angiogenic profiles in in-vitro fertilization/embryo transfer (IVF/ET) treatments: relationship to hypertensive complications in IVF-conceived pregnancies. ASRM 69th Annual Meeting, Salt Lake City, UT, Poster. October 2016.
7. Reshef, E., Craig, L. B., Burks, H. R., Hansen, K. R., Singh, S., **Quaas, AM**, "Testosterone (T) use in male partners of couples presenting for the initial infertility evaluation: prevalence, usage patterns and fertility awareness", PCRS 64th Annual Meeting, Rancho Mirage, CA, Poster. 2016.

8. Park, A. L., Pham, T. Q., Craig, L. B., Hansen, K. R., Wild, R. A., **Quaas, A. M.**, "Clomiphene Citrate starting dose in intrauterine insemination cycles for women under age 35 with unexplained infertility: is higher better?", ASRM 67th Annual Meeting, Honolulu, HI, Poster. October 2014.
9. Peck, J. D., **Quaas, A. M.**, Craig, L. B., Soules, M. R., Klein, N. A., Hansen, K. R., "Ethanol use and its association with ovarian non-growing follicle count", ASRM 67th Annual Meeting, Honolulu, HI, Poster. October 2014.
10. Craig, L. B., Hansen, K. R., Graves, J., **Quaas, A. M.**, Zavy, M. T., Peck, J., "Shortened interval from semen processing to intrauterine insemination does not affect pregnancy rates", ASRM 67th Annual Meeting, Honolulu, HI, Poster. October 2014.
11. **Quaas, A. M.**, Chung, K., Bendikson, K. A., Paulson, R. J., "Legal Implications of Commercial "Egg Banking": Variations in State Laws Concerning the Use of Cryopreserved Donor Oocytes in the USA", 61st Annual Pacific Coast Reproductive Society Meeting, Rancho Mirage, CA, Oral Presentation. 2013.
12. Bendikson, A., Chung, K., Jabara, S., **Quaas, A. M.**, Mucowski, S., Paulson, R. J., "Low-dose HCG Can Complete Follicle Maturity: The Unstimulated IVF Model", PCRS 61st Annual Meeting, Rancho Mirage, CA, Poster. 2013.
13. **Quaas, A. M.**, Kono, N., Felix, J., Hodis, H., Mack, W., Shoupe, D., "The effect of isoflavone soy protein (ISP) supplementation on endometrial thickness and endometrial hyperplasia or cancer risk in postmenopausal women - a randomized controlled trial", PCRS 60th Annual Meeting, Palm Springs, CA, Oral Presentation. 2012.
14. **Quaas, A. M.**, Pomeroy, J., Paulson, R. J., Pera, M. F., "Early markers of reprogramming in Induced Pluripotent Stem Cells (iPSC's): A timeline of key steps in the reprogramming process", PCRS 59th Annual Meeting, Palm Springs, CA, Oral Presentation. 2011.
15. **Quaas, A. M.**, Pomeroy, J., Paulson, R. J., Pera, M. F., "Elucidating mechanisms of reprogramming in induced pluripotent stem cells (iPSCs): immunohistochemical analysis of key factors", ASRM 67th Annual Meeting, Orlando, FL, Oral Presentation. October 2011.
16. **Quaas, A. M.**, Lee, H. J., Wright, D. L., Toth, T. L., Teixeira, J., "In vitro maturation (IVM) of murine and human germinal vesicle (GV) stage oocytes using a human fallopian tube epithelial feeder cell system", ASRM 65th Annual Meeting, Atlanta, GA, Oral Presentation. 2009.
17. **Quaas, A. M.**, Odem, R., Vamsidhar, N., Siegel, C., "Differentiation of adenomyomas from leiomyomas and normal myometrium on pelvic MR imaging - the role of Gadolinium enhancement", ASRM 64th Annual Meeting, San Francisco, CA, Oral Presentation. 2008.
18. **Quaas, A. M.**, Berkowitz, L., Tracy, E. E., "Evaluation of a formal mentoring program in an OB/GYN residency training program: Resident feedback and suggestions", 2008 CREOG & APGO Meeting, Lake Buena Vista, FL, Oral Presentation. 2008.
19. **Quaas, A. M.**, Einarsson, J., "Laparoscopic Cornuotomy for Interstitial (Cornual) Pregnancy in a Fibroid Uterus", 37th Global Congress of Minimally Invasive Gynecology Meeting, Las Vegas, NV, Video Presentation. 2008.
20. **Quaas, A. M.**, Missmer, S., Ginsburg, E. S., "GnRH antagonist use is associated with increased pregnancy rates in intrauterine insemination (IUI) to in-vitro fertilization (IVF) conversions,

independent of age and estradiol level at retrieval", ASRM 63rd Annual Meeting, Washington, DC, Poster. 2007.

### **Other Presentations**

#### **National/International**

1. **Quaas, A. M.**, " Genetic Screening", Annual Swiss Nursing Conference 2018, Aarau, Switzerland
2. **Quaas, A. M.**, " Performing embryo transfer: guidelines of the ASRM", International Fertility Conference 2017, Lucerne, Switzerland
3. **Quaas, A. M.**, "The Novasure Endometrial Ablation Device", Deaconess University Hospital, Freiburg, Germany, Workshop. 2006.
4. **Quaas, A. M.**, "A Case of Acute Uterine Bleeding in a patient with APML", International Gynecology Symposium, Freiburg, Germany, Lecture. 2005.

#### **Local/Regional**

1. **Quaas, A. M.**, "Efficacy of Contraception", Special Interest Group, Oklahoma University Public Health, Oklahoma City, OK, Lecture. October 2014.
2. **Quaas, A. M.**, "Polycystic Ovarian Syndrome and Breastfeeding", Annual Oklahoma Lactation Consultants Association, Oklahoma City, OK, Lecture. August 2014.

## TEACHING AND INSTRUCTION

### Teaching and Course Instruction

Year(s) of Instruction	Course ID	Course/Lecture Title	Role	Avg. Contact Hrs/Year	Primary Learner Audience
2018 – 2020	Reproductive Endocrinology and Infertility (REI) Conference	Weekly joint REI conference for Fellows, Residents and Medical Students at the University of California San Diego (UCSD) San Diego, CA, USA	Instructor / Faculty	80	MSIII-MSVI Ob/Gyn Residents Fellows
2017 – 2018	OB GYN rotation	OBGYN Clerkship for Medical students at the University of Basel Medical School Basel, Switzerland	Instructor	40	MSIII-MSVI
2013 - 2017	OBGY 9210	OBGYN Clerkship: 15-20 3rd year medical students every 6 weeks. Facilitator for 1 hour of modified team-based learning on topics including amenorrhea, infertility, hirsutism, and polycystic ovary syndrome.	Instructor		MSIII
2013 - 2017	OBGY 9210	Reproductive Medicine Conference: This weekly conference covers a broad range of infertility and reproductive endocrinology topics.	Instructor	1	Medical Students (Mixed Level)
2013 - 2016	OBGY 9210	Reproductive Medicine Conference: The Uterus	Instructor	1	Medical Students (Mixed Level)
2013 - 2016	OBGY 9210	Reproductive Medicine Conference: Menstrual Disorders	Instructor	1	Medical Students (Mixed Level)
2013 - 2016	OBGY 9210	Reproductive Medicine Conference: Female Infertility	Instructor	1	Medical Students (Mixed Level)
2013 - 2016	OBGY 9210	Reproductive Medicine Conference: Molecular Biology for Clinicians	Instructor	1	Medical Students (Mixed Level)
2013 - 2016	OBGY 9210	Reproductive Medicine Conference: Recurrent Abortion	Instructor	1	Medical Students (Mixed Level)
2013 - 2016	OBGY 9210	Reproductive Medicine Conference: Family Planning	Instructor	1	Medical Students (Mixed Level)
2013 - 2016	OBGY 9210	Reproductive Medicine Conference: Ectopic Pregnancy	Instructor	1	Medical Students (Mixed Level)
2013 - 2016	OBGY 9210	Reproductive Medicine Conference: Long Acting Contraception	Instructor	1	Medical Students (Mixed Level)
2013 - 2016	OBGY 9210	Reproductive Medicine Conference: The Ovary	Instructor	1	Medical Students (Mixed Level)
2013 - 2016	OBGY 9210	Reproductive Medicine Conference: Polycystic Ovarian Syndrome	Instructor	1	Medical Students (Mixed Level)
2013 - 2016	OBGY 9210	Reproductive Medicine Conference: Normal and Abnormal Sexual Development	Instructor	1	Medical Students (Mixed Level)
2013 - 2016	OBGY 9210	Reproductive Medicine Conference: Intrauterine and Barrier Contraception	Instructor	1	Medical Students (Mixed Level)

Year(s) of Instruction	Course ID	Course/Lecture Title	Role	Avg. Contact Hrs/Year	Primary Learner Audience
2018 – 2020	Reproductive Endocrinology and Infertility (REI) Conference	Weekly joint REI conference for Fellows, Residents and Medical Students at the University of California San Diego (UCSD) San Diego, CA, USA	Instructor / Faculty	80	MSIII-MSVI Ob/Gyn Residents Fellows
2017 – 2018	OB GYN rotation	OBGYN Clerkship for Medical students at the University of Basel Medical School Basel, Switzerland	Instructor	40	MSIII-MSVI
2013 - 2016	OBGY 9210	Reproductive Medicine Conference: Amenorrhea	Instructor	1	Medical Students (Mixed Level)
2013 - 2016	OBGY 9210	Reproductive Medicine Conference: Reproductive Aging	Instructor	1	Medical Students (Mixed Level)
2013 - 2016	OBGY 9210	Reproductive Medicine Conference: Assisted Reproductive Technologies	Instructor	1	Medical Students (Mixed Level)
2013 - 2016	OBGY 9210	Reproductive Medicine Conference: Endometriosis	Instructor	1	Medical Students (Mixed Level)
2013 - 2016	OBGY 9210	Reproductive Medicine Conference: Regulation of the Menstrual Cycle	Instructor	1	Medical Students (Mixed Level)
2013 - 2016	OBGY 9210	Reproductive Medicine Conference: Menopause Transition	Instructor	1	Medical Students (Mixed Level)

### **Graduate Medical Education (GME) Instruction Delivered**

Date	Course Name or Session Topic	Role	Number of Instruction Hours	Primary Learner Audience	Sponsoring Department or Organization
March 14, 2014	Journal Club : Journal Club Reproductive Endocrinology and Infertility	Instructor		Residents	Department of Obstetrics and Gynecology
November 2013	Lecture : Maternal Fetal Medicine Education Conference: Medical Eligibility for Contraception	Lecturer	1 hr(s)	OB/GYN residents and MFM fellows	Department of Obstetrics and Gynecology
November 8, 2013	Journal Club : Journal Club Reproductive Endocrinology and Infertility	Instructor		Residents	Department of Obstetrics and Gynecology
February 2013	Grand Rounds : Surgical Treatment of Infertility	Lecturer	1 hr(s)	Residents	Olive View UCLA - Los Angeles, CA
November 2012	Grand Rounds : Adenomyosis	Lecturer	1 hr(s)	Residents	Olive View UCLA - Los Angeles, CA
2007	Grand Rounds : Adenomyosis	Lecturer	1 hr(s)	Residents	Brigham and Women's Hospital - Boston, MA
2006	Grand Rounds : Uterine Bleeding in Hematologic Malignancy	Lecturer	1 hr(s)	Residents	Brigham and Women's Hospital - Boston, MA
2004	Grand Rounds : Pheochromocytoma in Pregnancy and Severe Pre-Eclampsia	Lecturer	1 hr(s)	Residents	Massachusetts Hospital - Boston, MA
2004	Grand Rounds : Vulvar dermatoses	Lecturer	1 hr(s)	Residents	Massachusetts Hospital - Boston, MA

## **Mentoring and Advising**

<b>Date</b>	<b>Mentee Name</b>	<b>Mentee Level/Program</b>	<b>Role/Involvement Type</b>	<b>Mentee Outcomes</b>
2018-2019	Evan Reshef	<b>Resident</b>	Mentor - Resident interested in Reproductive Endocrinology & Infertility fellowship	Matched for REI fellowship
2016 – 2017	Whitney Leonard	Medical Student	Mentor - Medical students applying for residency	Matched for OB/GYN residency
2014 – 2016	Evan Reshef	Medical Student	Mentor - Medical students applying for residency	Matched for OB/GYN residency
2013 – 2017			Mentor - Mentor second-year residents on the REI rotation at our clinical practice. During the rotation, I supervise clinical activities, surgery, teaching conferences, and research participation	
2013 – 2015	Aubrey Park, MD	Resident	Mentor - Resident interested in Reproductive Endocrinology & Infertility fellowship	Obstetrics and Gynecology Faculty
2013 – 2017	Betsy Weedon, DO	Resident	Mentor - Resident interested in Reproductive Endocrinology & Infertility fellowship	Fellow in Reproductive Endocrinology & Infertility
2013 - 2017	Courtney Ketch	Medical Student	Mentor - Medical students applying for residency	Matched for OB/GYN residency
2013 - 2017			Mentoring/Advising Medical Students - These small group meetings include two to three selected medical students and meet 3-5 times during the course of the six-week rotation	
2013 - 2017			Mentoring/Advising Medical Students - Three medical students are assigned each 6 weeks and we meet weekly during the course of the rotation for 1-2 hours	
2013 - 2014	Stephanie Bollenbach	Resident	Mentor - Medical students applying for residency	Current resident in General Surgery

## **CLINICAL SERVICE**

### **Clinical/Patient Care**

Physician, Reproductive Partners Fertility Center, San Diego, 2018 – Present

Physician, Faculty Practice, University of Basel, Switzerland, 2017 – 2018

Physician, Faculty Private Practice, OU Physicians Reproductive Medicine, 2013 – 2017

## **ORGANIZATIONAL SERVICE**

### **Organizational Committee Service**

#### ***Campus/University***

Member, Electronic Health Records Committee, University of Oklahoma College of Medicine, 2014 - 2016

### **College**

Member, Academic Scholarship Committee, 2015 - 2017

Member, Electronic Health Records Committee, University of Oklahoma College of Medicine, 2014 - 2016

### **Department**

Member, Resident Interview Committee, Department of Obstetrics and Gynecology, 2015

## **PROFESSIONAL SERVICE**

### **National/International**

Member, ASRM Task Force “subclinical hypothyroidism in the infertile female population: a guideline” (guideline development / practice committee)

Member, SREI Practice Committee

SREI Representative, ASRM Education Committee

Member, Abstract Review Committee, Pacific Coast Reproductive Society Annual Meeting, October 2014 - Present

Awards Chair, Pacific Coast Reproductive Society Annual Meeting, October 2014 - 2018

Director, Pacific Coast Reproductive Society, 2016 - 2021

Program Chair, Pacific Coast Reproductive Society Annual Meeting, 2016 - 2017

### **Editor, Editorial Board, Journal Reviewer**

Interactive Associate, Editorial Board, Fertility and Sterility, 2012 – Present

Associate Editor, Section “Assisted Reproductive Technologies”, Journal of Assisted Reproduction and Genetics (JARG), 2019 – Present

Editorial Board, Journal of Assisted Reproduction and Genetics (JARG), 2017 – Present

Section Editor, Reproductive Endocrinology and Infertility section for Springer online and print textbook Handbook of Gynecology, 2015 - 2016

#### **Ad-Hoc Reviewer:**

Fertility and Sterility	2010 - Present
Journal of Assisted Reproduction and Genetics (JARG)	2010 - Present

## **MEDIA CONTRIBUTIONS**

Guest, KWTU, OU Medicine Medical Minute, Interview on Age and Ovarian Reserve, February 2014

Guest, KWTU, OU Medicine Medical Minute, Interview on Obesity and Fertility, February 2014

Interviewed Expert, OU Medicine Magazine, Update on Infertility, December 2013



## **PROFESSIONAL MEMBERSHIPS**

Associate Member, Society for Reproductive Endocrinology and Infertility	2010 - Present
Pacific Coast Reproductive Society (PCRS)	2010 - Present
Fellow, American College of Obstetricians and Gynecologists	2009 - Present
American Medical Association (AMA)	2007 - Present
American Association of Gynecologic Laparoscopists	2006 - Present
American Society for Reproductive Medicine (ASRM)	2006 - Present
German National Merit Foundation (Studienstiftung des deutschen Volkes)	1997 - Present

## **PROFESSIONAL GROWTH AND DEVELOPMENT**

### **Meetings and Conferences**

American Society for Reproductive Medicine Annual Meeting, virtual, October 2020

American Society for Reproductive Medicine Annual Meeting, Philadelphia, PA, October 2019

American Society for Reproductive Medicine Annual Meeting, Denver, CO, October 2018

American Society for Reproductive Medicine Annual Meeting, San Antonio, TX, October 2017

American Society for Reproductive Medicine Annual Meeting, Salt Lake City, UT, October 2016

American Society for Reproductive Medicine Annual Meeting, Honolulu, HI, October 2014

American Society for Reproductive Medicine 68th Annual Meeting, San Diego, CA, October 2012

American Society for Reproductive Medicine 67th Annual Meeting, Orlando, FL, October 2011

American Society for Reproductive Medicine 66th Annual Meeting, Denver, CA, October 2010

American Society for Reproductive Medicine 65th Annual Meeting, Atlanta, GA, October 2009

American Society for Reproductive Medicine 64th Annual Meeting, San Francisco, CA, October 2008

American Society for Reproductive Medicine 63rd Annual Meeting, Washington, DC, October 2007

Attendance and Organization of the Annual Meeting of the Pacific Coast Reproductive Society (PCRS), Palm Springs, CA, 2011 to 2022