



Erika M. Munch, MD, FACOG

18707 Hardy Oak Blvd, Suite 505

San Antonio, TX 78258

210-370-3800

PRACTICE EXPERIENCE

- ♦ **Texas Fertility Center** **2016 – current**
San Antonio, TX

BOARD CERTIFICATION

American Board of Obstetrics and Gynecology

OB/GYN Certification: Active (2014)

Reproductive Endocrinology Certification: Active (2018)

PROFESSIONAL ACTIVITIES

- ♦ **Professional Memberships**
 - Society for Reproductive Endocrinology and Infertility 2014 – current
 - American Society for Reproductive Medicine 2013 – current
 - Fellow, American Congress of Obstetricians and Gynecologists 2009 – current
- ♦ **Associate Editor**
 - Human Reproduction Update 2023 - current
- ♦ **Peer Reviewer**
 - Human Reproduction
 - American Society for Reproductive Medicine annual meeting abstracts

EDUCATION

- ♦ **Fellowship**
 - Univ. of Iowa Hospitals & Clinics, Reproductive Endocrinology & Infertility
 - Iowa City, IA
- ♦ **Residency**
 - Baylor College of Medicine, Obstetrics & Gynecology
 - Houston, TX
- ♦ **Certificate**
 - Univ. of Texas School of Public Health
 - Houston, TX
- ♦ **Doctorate of Medicine (MD)**
 - Baylor College of Medicine, graduated *with honor*
 - Houston, TX



◆ **Bachelor of Science (BS)**

Southwestern University, graduated *summa cum laude*
Georgetown, TX

AWARDS & HONORS

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| ◆ Leadership College member, Texas Medical Association | 2017-2018 |
| ◆ Primary investigator, The Foundation for Embryonic Competence Grant | 2015 |
| ◆ Travel Grant, Vivere Scientific Advisory Board for ASRM Annual Meeting | 2015 |
| ◆ Co-investigator, Iowa Centers for Enterprise GAP Fund Program Award | 2013 |
| ◆ Grant for Mentored Resident Research, Baylor College of Medicine | 2012 |
| ◆ Alpha Omega Alpha | 2008 |
| ◆ Gold Humanism Honor Society | 2007 |
| ◆ Phi Beta Kappa | 2004 |

RESEARCH INTERESTS

Fertility preservation, singleton pregnancies, preimplantation embryologic development

PUBLICATIONS

Klenov VE, Boulet SL, Mejia RB, Kissin DM, **Munch E**, Mancuso A, Van Voorhis BJ. Live birth and multiple birth rates in US in vitro fertilization treatment using donor oocytes: a comparison of single-embryo transfer and double-embryo transfer. J Assist Reprod Genet. 2018;35(9):1657-64.

Munch EM, Sparks AE, Zimmerman MB, Van Voorhis BJ, Duran EH. High FSH dosing is associated with reduced live birth rate in fresh but not subsequent frozen embryo transfers. Hum Reprod. 2017;32(7):1402-9.

Munch EM, Sparks AE, Gonzalez Bosquet J, Christenson LK, Devor EJ, Van Voorhis BJ. Differentially Expressed Genes in Preimplantation Human Embryos: Potential Candidate Genes for Blastocyst Formation and Implantation. J Assist Reprod Genet. 2016;33(8): 1017-25.

Mancuso AC, Boulet SL, Duran E, **Munch E**, Kissin DM, Van Voorhis BJ. Elective single embryo transfer in women less than age 38 years reduces multiple birth rates, but not live birth rates, in United States fertility clinics. Fertil Steril. 2016;106(5): 1107-14.

Munch EM, Sparks AE, Duran HE, Van Voorhis BJ. Lack of carbon air filtration impacts early embryo development. J Assist Reprod Genet. 2015;32(7):1009-17.



Munch EM, Harris RA, Mohammad M, et al. Transcriptome Profiling of MicroRNA by Next-Gen Deep Sequencing Reveals Known and Novel miRNA Species in the Lipid Fraction of Human Breast Milk. PLoS One. 2013;8(2): e50564.

Hsieh MH, Madden-Fuentes RJ, Bayne A, **Munch E**, et al. Cross-sectional Evaluation of Parental Decision Making Factors for Vesicoureteral Reflux Management in Children. J Urol. 2010; 184(4 Suppl):1589-93.

Munch EM, Cisek LJ Jr, Roth DR. Magnetic Resonance Imaging for Prenatal Diagnosis of Multisystem Disease: Megacystis Microcolon Intestinal Hypoperistalsis Syndrome. Urology. 2009; 74: 592-594.

SELECTED ABSTRACTS AND POSTERS PRESENTATIONS

Munch EM, Burger NZ. Uterine Preparation Prior to Frozen Embryo Transfer Using Letrozole: A Case Series. Poster presentation, the Pacific Coast Reproductive Society, March 2018, Indian Wells, CA.

Klenov VE, Boulet SL, Mejia R, Kissin DM, **Munch E**, Mancuso A, Van Voorhis BJ. Live Birth and Multiple Birth Rates in Donor Oocyte Cycles Using Elective Single Embryo Transfer vs Double Embryo Transfer in United States IVF Clinics. Oral presentation at the American Society for Reproductive Medicine Annual Meeting, October 2017, San Antonio, TX.

Munch EM, Summers K, Ryan GL, Kapfhamer J, Collura B, Adamson GD. Physician Influence and IVF: How Much Do Patients Rely on Physician Opinion When Choosing Elective Single Embryo Transfer (eSET)? Poster presentation, the American Society for Reproductive Medicine Annual Meeting, October 2015, Baltimore, MD.

Munch EM, Summers K, Ryan GL, Kapfhamer J, Collura B, Adamson GD. Knowledge Acquisition in the Digital Age: Which Information Channels are Associated with Choosing eSET? Poster presentation, the American Society for Reproductive Medicine Annual Meeting, October 2015, Baltimore, MD.

Munch EM, Summers K, Ryan GL, Kapfhamer J, Collura B, Adamson GD. Demographic Characteristics Associated with Elective Single Embryo Transfer (eSET) In IVF: Who Chooses Just One? Poster presentation, the American Society for Reproductive Medicine Annual Meeting, October 2015, Baltimore, MD.

Kapfhamer J, Summers K, Ryan G, **Munch E**, Collura B, Adamson G. Then and Now: Are Past IVF Experiences Associated With Current Preferences Regarding Elective Single Embryo Transfer? Poster presentation, the American Society for Reproductive Medicine Annual Meeting, October 2015, Baltimore, MD.

Munch EM, Gonzalez Bosquet J, Sparks AE, Devor EJ, Christenson LK, Van Voorhis BJ. Differential Expression of Embryonic RNAs in Human Preimplantation Embryos with Overrepresentation in Amoebiasis, Cancer Pathways. Poster presentation, the Society for Reproductive Investigation Annual Meeting, March 2015, San Francisco, CA.



Munch EM, Cookingham LM, Sparks AE, Santillan DA, Devor EJ, Van Voorhis BJ. Differential MicroRNA Expression in Follicular Fluid of Lean and Obese Women. Poster presentation, the Society for Reproductive Investigation Annual Meeting, March 2015, San Francisco, CA.

Munch EM, Sparks AE, Van Voorhis BJ, et al. Poor Laboratory Air Quality and Its Impact on Early Embryo Development. Poster presentation, the Pacific Coast Reproductive Society, March 2014, Indian Wells, CA. 2nd place poster award.

Munch EM, Liu Q, Gibbons WE et al. Non-synonymous Single Nucleotide Polymorphism in *MCM8* Decreased in a Cohort of Premature Ovarian Failure Patients. Poster presentation, the American Society for Reproductive Medicine Annual Meeting, October 2012, San Diego, CA.

Munch EM, Balasa A, Gibbons WE, et al. Frameshift Single Nucleotide Polymorphism in *BRSK1* is Not Associated with Premature Ovarian Failure in a Cohort of 60 Patients. Poster presentation, the Society for Gynecologic Investigation Annual Meeting, March 2012, San Diego, CA.

BOOK CHAPTERS

Munch EM, Shah DK. "Fertility Treatment Outcomes in Obese Women" In Jungheim E (ed) *Obesity and Fertility: A Practical Guide for Clinicians*. 2015. Springer, New York, pp. 89-102.