

JOHN R CROCHET, JR, MD, FACOG

Reproductive Endocrinology and Infertility

Center of Reproductive Medicine

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TRAINING AND EDUCATION

2009-2012

Fellowship, Reproductive Endocrinology and Infertility

Duke University Medical Center, Durham, North Carolina

2005-2009

Residency, Obstetrics and Gynecology

The University of Texas Southwestern Medical Center, Dallas, Texas

2001-2005

Doctor of Medicine

The University of Texas Medical Branch, Galveston, Texas

1997-2001

Bachelor of Science, Genetics

Texas A&M University, College Station, Texas

WORK EXPERIENCE

2012-Present

Reproductive Specialist, Center of Reproductive Medicine, Webster, Texas

2009-2012

Fellow, Division of Reproductive Endocrinology and Fertility
Clinical Associate, Department of Obstetrics and Gynecology
Duke University Medical Center, Durham, North Carolina

2005-2009

Resident, Department of Obstetrics and Gynecology
Parkland Health and Hospital System, Dallas, Texas

AWARDS

2009

Outstanding Senior Resident Teacher, UT Southwestern

2009

Excellence in Laparoscopic and Endoscopic Surgery, UT Southwestern

2009

Excellence in Ultrasonography, UT Southwestern

2008

Medical Student Teaching Commendation, UT Southwestern

2007

Wyeth Resident Reporter, ASRM 63rd Annual Meeting

2007	CREOG Academic Excellence, UT Southwestern
2007	Medical Student Teaching Commendation, UT Southwestern
2005	Excellence in Patient-Oriented Research, NSRF
2005	Second Place Overall Poster Presentation, NSRF
2001	<i>Magna Cum Laude</i> , Texas A&M University
2000-2001	Charles Henry Hardin Founder's Scholarship, Beta Theta Pi
1998-2001	Educate Our Children Scholarship, Clark Refining
1998-2001	Golden Key Honor Society
1998-2001	National Association of Collegiate Scholars
1998-2001	National Dean's List
1998-1999	Lambda Sigma Honor Society, Texas A&M University
1997-2001	Academic Achievement Scholarship, Texas A&M University
1997-2001	Dean's Honor Roll, Texas A&M University
1997-2001	Phi Eta Sigma Honor Society, Texas A&M University

PUBLICATIONS

Crochet JR, Shah AA, Schomberg DW, Price TM. *Hyperglycosylated human chorionic gonadotropin does not increase progesterone production by luteinized granulosa cells*. Journal of Clinical Endocrinology and Metabolism 2012 Jun (Epub ahead of print).

Crochet JR, Peavey MC, Price TM, Behera MA. *Spontaneous pregnancy reaches viability after low first trimester serum progesterone*. Journal of Reproductive Medicine 2012 Mar-Apr;57:171-4.

Lo A, Zheng W, Gong Y, **Crochet JR**, Halvorson LM. *GATA transcription factors regulate luteinizing hormone β (LH β) gene expression*. Journal of Molecular Endocrinology 2011 Jul;47:45-58.

Crochet JR, Yeh JS, Clowse MEB, Copland SD. *Late ovarian hyperstimulation syndrome following controlled ovarian stimulation in a woman with systemic lupus erythematosus and lupus nephritis*. Fertility and Sterility 2011 Apr;95:1786.e13-16.

Crochet JR, Yeh JS, Price TM. *Operative Hysteroscopy*. Medscape Reference. Updated March 25, 2011. Available at: <http://emedicine.medscape.com/article/1848467-overview>.

Crochet JR, Hawkins KC, Holland DP, Copland SD. *Diagnosis of pelvic tuberculosis in a patient with tubal factor infertility*. Fertility and Sterility 2011 Jan;95:289.e17-20.

Yeh JS, **Crochet JR**, Price TM. *Diagnostic Hysteroscopy*. Medscape Reference. Updated November 9, 2010. Available at: <http://emedicine.medscape.com/article/1848258-overview>.

Sepilian VP, **Crochet JR**, Nagamani M. *Serum soluble leptin receptor levels and free leptin index in women with polycystic ovary syndrome: relationship to insulin resistance and androgens.* Fertility and Sterility 2006 May;85:1441-7.

Walden JL, Garcia H, Hawkins H, **Crochet JR**, Traber L, Gore DC. *Both dermal matrix and epidermis contribute to an inhibition of wound contracture.* Annals of Plastic Surgery 2000 Aug;45:162-6.

ABSTRACTS

Crochet JR, Shah AA, Schomberg DW, Price TM. *Hyperglycosylated human chorionic gonadotropin does not increase progesterone production by luteinized granulosa cells.* Duke University Charles Hammond Research Day, Durham, North Carolina. May 2012.

Ma X, Peavey MC, **Crochet JR**, Leppert PC. *Integrin $\alpha 11$ expression in human uterine fibroid and myometrium.* Triangle Consortium for Reproductive Biology 21st Annual Meeting, Research Triangle Park, North Carolina. March 2012.

Crochet JR, Feng Q, Dai Q, Leppert PC, Price TM. *Mitochondrial progesterone receptor (PR-M) distribution in uterine leiomyoma and myometrium and impact on mitochondrial membrane potential ($\Delta\Psi_m$) in immortalized human myometrial cells (hTert-HM).* American Society for Reproductive Medicine 67th Annual Meeting, Orlando, Florida. October 2011.

Crochet JR, Hawkins KC, Peavey MC, Price TM, Walmer DK, Copland SD. *Pregnancy in the setting of low and undetectable serum anti-mullerian hormone (AMH).* Triangle Consortium for Reproductive Biology 20th Annual Meeting, Research Triangle Park, North Carolina. March 2011.

Crochet JR, Hawkins KC, Peavey MC, Price TM, Walmer DK, Copland SD. *Pregnancy in the setting of low and undetectable serum anti-mullerian hormone (AMH).* American Society for Reproductive Medicine 66th Annual Meeting, Denver, Colorado. October 2010.

Lo A, Gong Y, **Crochet JR**, Zheng W, Halvorson LM. *GATA factors regulate luteinizing hormone (LH)- β gene expression.* Society for Gynecologic Investigation 57th Annual Meeting, Orlando, Florida. March 2010.

Crochet JR, Zheng W, Halvorson LM. *The role of GATA-2 and GATA-3 in the regulation of luteinizing hormone (LH)- β gene promoter activity.* American Society for Reproductive Medicine 64th Annual Meeting, San Francisco, California. November 2008.

Crochet JR, Sepilian VP, Nagamani M. *Leptin, free leptin and soluble leptin receptor levels in women with PCOS and insulin resistance.* National Student Research Forum, Galveston, Texas. April 2005.

Crochet JR, Gore DC. *Relative contributions of dermal matrix and epidermis to wound contracture.* The University of Texas Medical Branch Graduate School of Biomedical Sciences, Summer Undergraduate Research Program, Galveston, Texas. July 1998.

GRANTS

Role of the mitochondrial progesterone receptor (PR-M) in progestin-dependent growth of human fibroids. Charles Hammond Research Fund. Role: Pricipal Investigator. July 2011 to June 2012.

The role of various human chorionic gonadotropin isoforms in corpus luteum progesterone production in ectopic and normal pregnancy. Charles Hammond Research Fund. Role: Pricipal Investigator. January 2011 to June 2012.

RESEARCH EXPERIENCE

- 2009-2012 Duke University Medical Center, Durham, North Carolina
Department of Obstetrics and Gynecology
Projects: PR-M in fibroids, hCG and progesterone, IVF poor responders
Mentors: Thomas Price, MD; Susannah Copland, MD; David Walmer, MD/PhD; David Schomberg, PhD
- 2007-2009 The University of Texas Southwestern Medical Center, Dallas, Texas
Department of Obstetrics and Gynecology
Project: Role of GATA-2 and GATA-3 in LH- β promoter activity
Mentor: Lisa Halvorson, MD
- 2004-2005 The University of Texas Medical Branch, Galveston, Texas
Department of Obstetrics and Gynecology
Project: Free leptin levels in women with polycystic ovary syndrome
Mentor: Manubai Nagamani, MD
- 1999-2001 Texas A&M University, College Station, Texas
Department of Forest Molecular Biology

Project: Gene expression in drought stressed pine trees
Mentor: Carol Loopstra, PhD

1998
The University of Texas Medical Branch, Galveston, Texas
Department of Trauma Services
Project: Role of synthetic dermal matrix in prevention of wound contracture
Mentor: Dennis Gore, MD

1997-1998
Texas A&M University, College Station, Texas
Department of Medical Pathology
Project: Regulatory factors of angiogenesis
Mentor: George Davis, MD/PhD

1996-1997
The University of Texas Medical Branch, Galveston, Texas
Department of Biochemistry and Biophysics
Project: Heavy metal poisoning of the Na⁺/K⁺ pump
Mentor: Malcolm Brodwick, PhD

PROFESSIONAL MEMBERSHIPS

2009-Present Society for Reproductive Endocrinology and Infertility (SREI), Associate
2007-Present American Society for Reproductive Medicine (ASRM)
2005-Present American Congress of Obstetrics and Gynecology (ACOG)

LICENSURES AND CERTIFICATIONS

Reproductive Endocrinology and Infertility, ABOG, Active Candidate
Obstetrics and Gynecology, ABOG, Board Certified
Texas Medical License, M5676
North Carolina Medical License, 2009-00417

LANGUAGES Proficient in medical Spanish.

PERSONAL Interests include skiing and snowboarding, biking, boating, painting and attending sporting events.