

CARVER COLLEGE OF MEDICINE CURRICULUM VITAE

Ginny Lyn Ryan

April 2013

I. EDUCATIONAL AND PROFESSIONAL HISTORY

A. List of institutions attended (least to most recent)

1995	BS with distinction	Cornell University, Ithica, NY
1999	MD	Washington University School of Medicine, St. Louis, MO
2009	MA	Medical College of Wisconsin

Post Graduate

1999 - 2003	Residency	University of Iowa Roy J. and Lucille A. Carver School of Medicine
2006 - 2009	Fellowship	University of Iowa Hospitals and Clinics
2010	Continuing Education	University of North Carolina Summer Institutes
2011	Continuing Education	University of Iowa College of Nursing
2011	Continuing Education	University of Iowa
2013	Continuing Education	University of Iowa

Licensures

2003	Iowa Medical License, Iowa Board of Medicine
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Certifications

2005	Board Certified, Obstetrics & Gynecology, American Board of Obstetrics and Gynecology. Recertified: 2012
2009	Board Certified in Reproductive Endocrinology & Infertility, American Board of Obstetrics and Gynecology. Recertified: 2012

B. Employment History

2006 - 2009	Associate University of Iowa College of Medicine
2008 - Present	Director, Pediatric & Adolescent Gynecology Clinic University of Iowa Carver College of Medicine
2009 - Present	Affiliate Faculty, Program in Bioethics and Medical Humanities University of Iowa Carver College of Medicine
2009 - Present	Assistant Professor, Department of Obstetrics and Gynecology University of Iowa Carver College of Medicine
2009 - Present	Member, Ethical Issues Subcommittee University of Iowa Carver College of Medicine
2010 - Present	Member, Fund Development Committee

	American Society of Reproductive Medicine
2010 - Present	Member CDC National Action Plan Policy Working Group
2010 - Present	Scholar, Women's Reproductive Health Research Institutional K12 Grant University of Iowa Carver College of Medicine
2011	Member, Ethics Consult Service Planning Committee University of Iowa Hospitals and Clinics
2012 - Present	Member, SREI Member Services Committee SREI
2012 - Present	Member, Humanities Distinction Track Admissions Committee University of Iowa Carver College of Medicine
2013 - Present	Member, ACOG Committee on Ethics ACOG

C. Honors, Awards, Recognitions, Outstanding Achievements

1995 - 1999	Distinguished Alumnus Scholarship Washington University School of Medicine
1998	Jessie L. Ternberg Award Washington University School of Medicine
1999	Missouri State Medical Association Award for Academic Excellence Missouri State Medical Association
1999	Wynder Prize for Preventive Medicine Project Washington University School of Medicine
2000 - 2001	Wyeth-Ayerst Resident Reporter to ASRM and ACOG National Meetings Wyeth-Ayerst
2002	Medical Ministry International Trip to Aerquipa, Peru Medical Ministry International
2003	Resident Achievement Award Society of Laparoendoscopic Surgeons
2004	Frontiers in Reproduction Course Marine Biological Laboratory, Woods Hole, MA
2007	Medical Mission trips to Haiti Community Health Initiative, Haiti
2009	Medical Mission trips to Haiti Community Health Initiative, Haiti
2010	University of Iowa Carver College of Medicine nominee for the 2010 National Arnold P. Gold Foundation Humanism in Medicine Award Arnold P. Gold Foundation
2011 - 2013	Medical Mission trips to Haiti Community Health Initiative, Haiti

II. TEACHING

A. Teaching assignments

Classroom, Seminar, Teaching Laboratory

2004	Comorbid Diseases in Pregnancy Resident lecture Emergency Medicine
2006	Pediatric and Adolescent Gynecology Resident lecture Department of Obstetrics & Gynecology
2007	Ethical Issues in Reproductive Medicine M2 students Health Ethics, Law, and Policy course lecture
2007	HELP Course M2 Students Facilitator for 1 hour/week for 9 week course
2007	Infertility and the Gynecologic Issues Impacting this Diagnosis Case-based learning M1 student lecture
2008 - Present	Fibroids M3 student lecture. 1-hour presentation one time per each 6 week clerkship (8 presentations per year).
2008	Ethical Issues in Reproductive Medicine M2 students Health Ethics, Law, and Policy course lecture.
2008	HELP Course M2 students facilitator for 1 hour/week for 9 week course.
2008	Informed Consent and Research Ethics Arranged Ethics Month - weekly cases and lectures on bioethics topics for Obstetrics & Gynecology residents; presented Informed Consent and Research Ethics lecture as part of the series.
2009	Ethical Issues in Reproductive Medicine M2 students Health Ethics, Law, and Policy course lecture
2009	HELP Course M2 students facilitator for 1 hour/week for 9 week course.
2010 - Present	Ethics and Professionalism Coordinator and Facilitator: M3 student lecture
2010 - Present	Ethics and Professionalism Coordinator and Facilitator: Resident lecture
2010	Ethical Issues in Reproductive Medicine M2 students Health Ethics, Law, and Policy course lecture.
2010	HELP Course M2 students facilitator for 1 hour/week for 9 week course.
2010	Overview of IUI and IVF for Practitioners Resident lecture, Department of Obstetrics and Gynecology
2010	Performance-Based Assessment Department of Obstetrics & Gynecology Clerkship Program
2010	Primary Amenorrhea and Delayed Puberty Resident lecture.
2011	Avoiding Perioperative Infection Resident lecture, Department of Obstetrics and Gynecology
2011	Ectopic Pregnancy Resident conference, Emergency Medicine
2011	HELP Small Group

	M2 students facilitator
2011	HELP Small Group M2 students facilitator for 1 hour/week for 9 week course.
2011	Small Group Facilitator FCP IV Department of Obstetrics and Gynecology
2011 - 2012	Principles of Scholarly Integrity Faculty facilitator for mandatory class for all University of Iowa graduate students; lecturer for one of the classes
2011	Performance-Based Assessment Department of Obstetrics and Gynecology Clerkship Program
2012	HELP Small Group M2 students facilitator for 1 hour/week for 9 week course.
2012	Reproductive Bioethics HELP lecture for M2 medical students
2012	Performance-Based Assessment Department of Obstetrics and Gynecology Clerkship Program
2012	Puberty and its Abnormalities Resident lecture, Department of Obstetrics and Gynecology
2013	HELP Small Group M2 students facilitator for 1 hour/week for 9 week course.

Clinical Teaching

2011	Gynecologic Ultrasound Training Session for Ob/Gyn Residents Facilitator for Department of Obstetrics and Gynecology resident session
2012	Gynecologic Ultrasound Training Session for Ob/Gyn Residents Facilitator for Department of Obstetrics and Gynecology resident session

B. Student Supervision

Directed Individual/Independent Study

2013	Molly Calabria American Medical Women's Association mentor
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Supervised Research

2010	Heather Wolff Research Distinction Track
2011	Sarina Martini Research Distinction Track

Supervised Teaching Activity

2013	Mary (Becker) Rysavy Humanities Distinction Track
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Undergraduate Research

2012	Hannah Lerseth 2009 Summer Research Program
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2013 Jenny (Flagg) Schuchmann
2010 Summer Research Program

C. Other Teaching Contributions

Institutional Conferences, Grand Rounds, Journal Clubs, Etc

2001	Cloning Obstetrics & Gynecology Grand Rounds
2001	Hyperprolactinemia Obstetrics & Gynecology Grand Rounds
2002	Heterotopic Pregnancy Obstetrics & Gynecology Grand Rounds
2003	Stem Cell Research Obstetrics & Gynecology Grand Rounds
2005	FSH Receptor Mutations in Human Reproductive Disease Obstetrics & Gynecology Grand Rounds
2005	Human FSH Receptor Polymorphisms and Mutations and Possible Clinical Impact Obstetrics & Gynecology Research in Progress Meeting
2005	Infertility - Update and Current Therapies Department of Nursing Services Women's Health Conference; Iowa City, IA
2006	Female Infertility - Management of Common Issues Urology Postgraduate Conference; Iowa City, IA
2007	Clinical Research in REI - A Wide Range of Opportunities Obstetrics & Gynecology, Research in Progress Meeting
2007	Pelvic Ultrasonography and Emergency Complications of Infertility Care Resident Conference, Emergency Medicine
2007	The History of Bioethics and Bioethics in Reproductive Medicine Obstetrics & Gynecology Grand Rounds
2008	Bioethics and Professionalism Department of Emergency Medicine Resident Orientation
2008	Ethical Issues in Reproductive Medicine Department of Nursing Brown Bag Ethics Series
2008	Feminist Ethics and Implications for Reproductive Endocrinology & Infertility Obstetrics & Gynecology Postgraduate Course
2008	Adolescent Gynecology University of Iowa Department of Nursing 2008 Women's Health Conference, Iowa City, IA
2008	Choosing a Contraceptive Method for Adolescents University of Iowa Carver College of Medicine Pediatric Symposium
2008	Problems with Menarche - When the First Period Comes Early or Late University of Iowa Carver College of Medicine Pediatric Symposium
2009	Updates from our Center for Advanced Reproductive Care Obstetrics and Gynecology Grand Rounds
2010	What does infertility mean? How advancing reproductive technologies and

expanding definitions of family impact sociocultural acceptance of and equitable access to infertility treatments.

Department of Obstetrics/Gynecology Research in Progress

- 2011 Challenges and Controversies in Reproductive Medicine
University of Iowa Department of Nursing Services 2011 Women's Health Conference, Iowa City, IA
- 2011 Refining and Redefining Infertility: A Qualitative Investigation
Obstetrics & Gynecology Grand Rounds
- 2012 Global Women's Health and Efforts to Improve Women's Health in Haiti
University of Iowa Carver College of Medicine Global Health Seminar Series

Local and Regional CME Talks (since 1997 only)

- 2004 Trauma and the Pregnant Patient
Johnson County EMT Group, Iowa City, IA
- 2010 Adolescent Updates and Gardasil
Iowa Physicians Assistant Society, Coralville, IA

III. SCHOLARSHIP/PROFESSIONAL PRODUCTIVITY

A. Publications or creative works (least to most recent)

Peer-reviewed papers

1. Lewis, A. M., Liu, D., Stuart, S., Ryan, G. L.. *Depression, self-report and infertility: PHQ-9 response tendencies of women preparing for IVF.*, Archives of Women's Mental Health.
2. Ryan, G. L., Skinner, C. S., Farrell, D., Champion, V. L. (2001). *Examining the boundaries of tailoring: the utility of tailoring versus targeting mammography interventions for two distinct populations.*, Health Education Research. 16, 5: 555-566.
3. Ryan, G. L., Quinn, T. J., Syrop, C. H., Hansen, W. F. (2002). *Placenta accreta postpartum.*, Obstetrics and Gynecology. 100, 5 Pt 2: 1069-1072.
4. Ryan, G. L., Zhang, S. H., Dokras, A., Syrop, C. H., Van Voorhis, B. (2004). *The desire of infertile patients for multiple births.*, Obstetrical & Gynecological Survey. 59, 8: 592.
5. Olson, C. K., Keppler-Noreuil, K. M., Romitti, P. A., Budelier, W. T., Ryan, G. L., Sparks, A. E., Van Voorhis, B. (2005). *In vitro fertilization is associated with an increase in major birth defects.*, Fertility & Sterility. 84, 5: 1308-1315.
6. Ryan, G. L., Stolpen, A., Van Voorhis, B. (2006). *An unusual cause of adolescent dysmenorrhea.*, Obstetrics and Gynecology. 108, 4: 1017-1022.
7. Zhang, M., Tao, Y. X., Ryan, G. L., Feng, X., Famelli, F., Segaloff, D. I. (2007). *Intrinsic differences in the response of the human lutropin receptor versus the human follitropin receptor to activating mutations.*, The Journal of Biological Chemistry. 282, 35: 25527-25539.
8. Freitas, K. C., Ryan, G. L., Brito, V. N., Tao, Y. X., Costa, E. M., Mendonca, B. B., Segaloff, D. I., Latronico, A. C. (2007). *Molecular analysis of the neuropeptide Y1 receptor gene in human idiopathic gonadotropin-dependent precocious puberty and isolated hypogonadotropic hypogonadism.*, Fertility and Sterility. 87, 3: 627-634.
9. Kresowik, J., Ryan, G. L., Austin, J. C., Van Voorhis, B. (2007). *Ultrasound-assisted repair of a unique case of distal vaginal agenesis*, Fertility and Sterility. 87, 4: 976.e9-12.
10. Ryan, G. L., Feng, X., d'Alva, C. B., Zhang, M., Van Voorhis, B., Pinto, E. M., Kubias, A. E., Antonini, S. R., Latronico, A. C., Segaloff, D. I. (2007). *Evaluating the roles of follicle-stimulating*

hormone receptor polymorphisms in gonadal hyperstimulation associated with severe juvenile primary hypothyroidism, J Clin Endocrinol Metab. 92, 6: 2312-2317.

11. Ryan, G. L., Sparks, A. E., Sipe, C. S., Syrop, C. H., Dokras, A., Van Voorhis, B. (2007). *A mandatory single blastocyst transfer policy with educational campaign in a United States IVF program reduces multiple gestation rates without sacrificing pregnancy rates.*, Fertility and Sterility. 88, 2: 354-360.

12. Kresowik, J., Ryan, G. L., Van Voorhis, B. (2008). *Progression of atypical endometrial hyperplasia to adenocarcinoma despite intrauterine progesterone treatment with the levonorgestrel-releasing intrauterine system.*, Obstetrics and Gynecology. 111, 2 part 2: 547-549.

13. Mains, L., Ryan, G. L., Sparks, A., Van Voorhis, B. (2009). *Sextuplets: an unusual complication of single embryo transfer.*, Fertility and Sterility. 91, 3: 932.e1-2.

14. Andersen, A. E., Ryan, G. L. (2009). *Eating disorders in the obstetric and gynecology patient population.*, Obstetrics and Gynecology. 114, 6: 1353-1367.

15. Thomas, M. R., Sparks, A. E., Ryan, G. L., Van Voorhis, B. (2010). *Clinical predictors of human blastocyst formation and pregnancy after extended embryo culture and transfer.*, Fertility and Sterility. 94, 2: 543-548.

16. Jungheim, E. S., Ryan, G. L., Levens, E. D., Cunningham, A. F., Macones, G. A., Carson, K. R., Beltsos, A. N., Odem, R. R. (2010). *Embryo transfer practices in the United States: a survey of clinics registered with the Society for Assisted Reproductive Technology.*, Fertility and Sterility. 94, 4: 1432-1436.

17. Ryan, G. L. (2010). *Establishment of a clinical gestational carrier program: medical, ethical, legal and policy issues.*, Proc Obstet Gynecol. 1, 1: 35.

18. Van Voorhis, B., Ryan, G. L. (2010). *Ethical obligation for restricting the number of embryos transferred to women: combating the multiple-birth epidemic from in vitro fertilization.*, Semin Reprod Med. 28, 4: 287-294.

19. Martini, S., Van Voorhis, B., Stegmann, B. J., Sparks, A. E., Shochet, T., Zimmerman, M. B., Ryan, G. L. (2011). *In vitro fertilization patients support a single blastocyst transfer policy.*, Fertility and Sterility. 96, 4: 993-997.

20. Kresowik, J. D., Stegmann, B. J., Sparks, A. E., Ryan, G. L., Van Voorhis, B. (2011). *Five years of a mandatory single-embryo transfer (mSET) policy dramatically reduces twinning rate without lowering pregnancy rates.*, Fertility and Sterility. 96, 6: 1367-1369.

21. Kresowik, K. D., Syrop, C. H., Van Voorhis, B., Ryan, G. L. (2011). *Ultrasound is the optimal choice for guidance in difficult hysteroscopy.*, Ultrasound Obstet Gynecol. 10: 1002.

Chapters

Ryan, G. L., Dokras, A. (2005). *OHSS - current views about etiopathology & management.*, Jaypee Brothers Medical Publishers Ltd., New Delhi.

Ryan, G. L., Syrop, C. H., Van Voorhis, B. (2005). *Role, epidemiology and natural history of benign uterine mass lesions.*,. 48, 2: 312-324.

Ryan, G. L. (2011). *Preservation of fertility in children with cancer: medical, ethical and legal aspects.*, Walter de Gruyter GmbH & Co. KG, Berlin/Boston.

Other

Ryan, G. L., Zhang, S. H., Dokras, A., Syrop, C. H., Van Voorhis, B. (2004). *The desire of infertile patients for multiple births.*, Fertility & Sterility. 81, 3: 500-504.

Ryan, G. L., Moss, V., Davis, W. A., Sparks, A. E., Dokras, A., Van Voorhis, B. (2005). *Oral*

ovulation induction agents combined with low-dose gonadotropin injections and intrauterine insemination: cost- and clinical effectiveness., The Journal of Reproductive Medicine. 50, 12: 943-950.

B. Areas of Research Interest

A Comparison of Tailored Mammography Interventions, Scholarly.

Access to infertility care, including geospatial issues, On-Going, Scholarly.

Construction and functional analyses of G-protein coupled receptor mutants, including the human Neuropeptide Y (NPY) and the human Follicle Stimulating Hormone (FSH) receptors, Scholarly.

Development of an ethics and professionalism curriculum for learners in obstetrics and gynecology, On-Going, Scholarly.

Effects of hormone status on athletic performance, On-Going, Scholarly.

G-protein coupled receptor mutants, including the human Neuropeptide Y (NPY) and the human Follicle Stimulating Hormone (FSH) receptors, Scholarly.

Glycoprotein hormone receptor structure/function, On-Going, Scholarly.

HIV in Women and Adolescents, Scholarly.

Infertility treatment outcomes, On-Going, Scholarly.

Reproductive Bioethics for Learners, On-Going, Scholarly.

Reproductive bioethics, desires of infertile couples, efficacy and cost-effectiveness of infertility treatment protocols, side effects of infertility treatments, and neonatal outcomes of infertility treatment, On-Going, Scholarly.

Reproductive Bioethics: inherent value of early human gametes/tissues, social perception of infertility and non-traditional families, On-Going, Scholarly.

What does infertility mean?, On-Going, Scholarly.

C. Grants received

Grant

Updated Computer-Assisted Reproductive Endocrinology and Infertility Curriculum for Medical Students, Residents, and Fellows

\$6,672.00 Direct

Period of Funding: 2007 - Present

No Principal Investigator

Geospatial distribution and determinants of in vitro fertilization (IVF) care in Iowa

\$24,137.00 Direct

Period of Funding: 2012 - Present

No Principal Investigator

D. Presentations

Conference Presentations/Seminars

2002

ASRM Annual Meeting, ASRM, Seattle, WA

The Desire of Infertile Patients for Multiple Births

- 2004 ASRM Annual Meeting, ASRM, Philadelphia, PA
The Risk of Low Birthweight After Intrauterine Insemination
- 2005 ASRM Annual Meeting, ASRM, Montreal, PQ
A Majority of Women Delay Childbearing in Both Fertile and Infertile Groups Despite Understanding the Risks of Aging on Fertility
- 2005 ASRM Annual Meeting, ASRM, Montreal, PQ
Infertile Women are Twice as Likely to Desire Multiples as Fertile Controls.
- 2006 SGI Annual Meeting, SGI, Toronto, ON
Unique Linkage of Constitutive Activity and Promiscuity in the Human FSH Receptor.
- 2006 ESHRE Annual Meeting, ESHRE, Prague, Czech Republic
Educational Campaign Improves Knowledge of Twin Risks in IVF Patients but May Not Impact Number of Embryos Transferred.
- 2009 ASRM Annual Meeting Postgraduate Course, ASRM, Atlanta, GA
Educating and Preparing Your Patients and Colleagues for Single Embryo Transfer.
- 2009 ASRM Annual Meeting Postgraduate Course, ASRM, Atlanta, GA
Success of a Mandatory Single Embryo Transfer Protocol
- 2011 Canadian Fertility and Andrology Society 2011 Meeting, Canadian Fertility and Andrology Society, Toronto, Ontario, Canada
A Successful SET Program in a Non-funded Environment - The Iowa Experience
- 2011 ASRM Annual Meeting, ASRM, Orlando, FL
"It's Not so Much that We Need Medical Breakthroughs as We Need Social Public Health Breakthroughs - How Infertility Providers Navigate a Complicated Landscape to Optimize Care for Their Patients".
- 2011 ASRM Annual Meeting, ASRM, Orlando, FL
The Patient Health Questionnaire (PHQ) is a Poor Psychological Screening Tool in In Vitro Fertilization (IVF) Patients.
- 2012 Frontiers in Reproduction 15th Anniversary Symposium, Woods Hole, MA
A Qualitative Study of Physicians' Conceptualization of Infertility as Disease and Receptiveness to Patient Distress
- 2012 ASRM Annual Meeting, ASRM, San Diego, CA
"I Was Kind of Taken Aback Because in My Mind it Had Always Been a Personal and Not a Public Health Issue".

Poster Presentations

- 2004 ASRM Annual Meeting, ASRM, Philadelphia, PA
A combination of oral induction agents with low-dose gonadotropin injections and IUI is more cost-effective than IUI and gonadotropins alone, and is clinically as effective.
- 2005 SGI Annual Meeting, SGI, Los Angeles, CA

Mutational Analysis of the Neuropeptide Y Receptor Gene in Human Idiopathic Pubertal Disorders.

- 2006 SGI Annual Meeting, SGI, Toronto, ON
Pediatric Ovarian Hyperstimulation with Hypothyroidism is Not Due to FSH Receptor Mutation or Polymorphism.
- 2012 WRHR Symposium, WRHR, Philadelphia, PA
Geospatial Distribution and Determinants of In Vitro Fertilization (IVF) Care in Iowa.

Visiting Professorships

- 2010 Visiting Professor Program, Genesis Hospital, Davenport, IA
PCOS Overview - Diagnosis and Screening
- 2010 Visiting Professor Program, Broadlawns Medical Center, Des Moines, IA
Fibroids and Polyps
- 2011 Visiting Professor Program, Mercy Family Medical Residency, Mercy Medical Center-North Iowa, Mason City, IA
Pediatrics & Adolescent Gynecology - Ovarian Torsion
- 2012 Visiting Professor Program, Iowa Lutheran Hospital, Des Moines, IA
Mullerian Anomalies

E. Pending decisions

IV. SERVICE

A. Memberships in Professional Organizations

- 1999 Alpha Omega Society, Member
- 2000 - Present American College of Obstetrics & Gynecology, Active Junior Fellow
- 2002 - Present American Society of Reproductive Medicine, Associate Member
- 2005 - Present American Board of Obstetrics & Gynecology, Diplomate

Review Panels

- British Journal of Obstetrics & Gynecology
- Fertility & Sterility
- Journal of Pediatric and Adolescent Gynecology
- Obstetrics & Gynecology
- 2011 American Society of Reproductive Medicine, Reviewer of abstracts for ASRM Annual Meeting in Orlando, FL
- 2012 - 2013 University of Iowa Carver College of Medicine, Reviewer for Barry Freeman International Student Grant Program
- 2012 Department of Veterans Affairs, Health Services Research and Development Scientific Merit Reviewer

Departmental, collegiate, university and national committees

2010	Office of Student Affairs and Curriculum; Medical Student Admissions Interview Training Session; University of Iowa Carver College of Medicine
2010	Office of Student Affairs and Curriculum, Medical Student Admissions Interview, Interview applicants University of Iowa Carver College of Medicine
2010	Office of Student Affairs and Curriculum, Poster Judge, Student Research Day
2011	Office of Student Affairs and Curriculum, Medical Student Admissions Interview, Interview applicants University of Iowa Carver College of Medicine
2012	Office of Student Affairs and Curriculum, Medical Student Admissions Interview, Interview applicants University of Iowa Carver College of Medicine

Relevant community involvement

2007 - 2010	Girls on the Run Johnson County, Council Member
2010 - 2012	Girls on the Run Johnson County, Executive Director
2011	Ethical Perspectives on the News, KCRG local news, Participant, "When does life begin?"
2012 - Present	Cornell University, Cornell University Alumni Admissions Ambassadors Program
2012 - Present	Girls on the Run of Eastern Iowa, Board Chair

B. Clinical assignments since last promotion (if applicable)