

# Rachel LaMonica, DO

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## EDUCATION

- 2009-2011 **THOCC @ New Britain, New Britain, CT**  
Fellowship in Minimally Invasive Gynecology, Department of Obstetrics and Gynecology
- 2005-2009 **University of Connecticut Health Center, Farmington, CT**  
Resident Physician, Obstetrics and Gynecology
- 2000-2005 **New York College of Osteopathic Medicine**  
2005-DO
- 1996-1999 **State University of New York at Stony Brook**  
Molecular Biology, 28 credit hours completed
- 1991-1995 **State University of New York at Stony Brook**  
1995-BS, Biology and Psychology

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## LICENSE AND CERTIFICATION

- 2011 **Diplomate, American Board of Obstetrics and Gynecology**
- 2010 **Da Vinci Certification, Console Surgeon**
- 2009-present **Connecticut State Medical License**

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## EXPERIENCE

- 2014-present **Assistant Clinical Professor**, Community-Based Clinical Faculty, Department of Obstetrics and Gynecology, University of Connecticut School of Medicine.
- 2012-present **Attending Physician**, Resident Continuity Clinic
- 8/2011-present **Taylor Associates Ob/Gyn**, Minimally Invasive Gynecologist
- 7/2009-6/2011 **OB/GYN Fellow-MIGS, Department of OB/GYN**, The Hospital of Central Connecticut at New Britain
- 07/2005-06/2009 **Resident in Department of OB/GYN**, University of Connecticut.
- 06/1998-07/2000 **Research Associate**, SUNY at Stony Brook, Department of Gastroenterology, School of Medicine.
- Independent research project-Rotavirus directed cell Signaling.
  - VA and NIH grant preparation.
- Advisor: Erich Mackow, PhD
- 09/1995-05/1998 **Research Technician**, SUNY at Stony Brook, Department of Gastroenterology, School of Medicine.
- Assisted on Hantavirus and Rotavirus research projects.
- Advisor: Erich Mackow, PhD

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## RESEARCH

- 2013-present **Pelvic Mass Study**, Vermillion sponsored study of pelvic mass/blood work markers  
**Subinvestigator**
- 2011-2014 **Focus Study**, Oral contraceptive surveillance study  
**Subinvestigator**
- 2010-2011 **Fellow Research Project**, Outcomes Analysis After Laparoscopic Myomectomy  
Advisor: Anthony A. Luciano, MD
- 2010-2016 **Fellow Research Project**, Incidence of Endometrial Polyps and/or Uterine Septae  
with a Concurrent Diagnosis of Endometriosis at Laparoscopy  
Advisor: Anthony A. Luciano, MD
- 2010-2012 **Fellow Research Project**, Review of the Last 2,000 Cases Since Introduction of a  
New Safe Laparoscopic Entry Technique  
Advisor: Anthony A. Luciano, MD
- 2010-2012 **Fellow Research Project**, Two and Three-dimensional ultrasound evaluation of  
adenomyosis: correlation of sonographic findings to histology at hysterectomy  
Advisor: Danielle E. Luciano, MD
- 2010-2012 **Fellow Research Project**, A Prospective Trial Assessing the Accuracy of HyCoSy in  
Determining Tubal Patency and Evaluating the Uterine Cavity Utilizing Optison.  
Advisor: Danielle E. Luciano, MD
- 2009-2011 **Fellow Research Project**, Effect of Bupivacaine on Laparoscopic Incisional Pain: A  
Double-Blinded, Placebo-Controlled Randomized Study  
Advisor: Anthony A. Luciano, MD
- 2007-2010 **Resident Research Project**, The Center for Advanced Reproductive Services,  
University of Connecticut and Yale University, "Immunohistochemical staining of  
chronic endometritis in repeated implantation failure."  
Advisors: Claudio Benadiva, MD and Harvey Kliman, MD
- 2007-2009 **Resident Research Project**, The Center for Advanced Reproductive Services,  
University of Connecticut. "Comparison of fresh vs. cryo-thawed embryo replacement  
cycle pregnancy rates following gonadotropin releasing hormone (GnRH) agonist  
trigger of final oocyte maturation."  
Advisor: Lawrence Engmann, MD
- 2006-2007 **Resident Research Project**, The Center for Advanced Reproductive Services,  
University of Connecticut. "The Role of Chronic Endometritis in repeated implantation  
failure."  
Advisors: Claudio Benadiva, MD and Lawrence Engmann, MD
- 1998-2000 **Research Associate**, SUNY at Stony Brook, Department of Gastroenterology, School  
of Medicine.  
  - Independent research project-Rotavirus directed cell Signaling.
  - VA and NIH grant preparation.Advisor: Erich Mackow, PhD
- 1995-1998 **Research Technician**, SUNY at Stony Brook, Department of Gastroenterology,  
School of Medicine.  
  - Assisted on Hantavirus and Rotavirus research projects.Advisor: Erich Mackow, PhD

- 1995      **Student Research Aid**, SUNY at Stony Brook, Department of Gastroenterology, School of Medicine.  
Advisor: Erich Mackow, PhD
- 1995      **Research Assistant**, Department of Psychology, SUNY at Stony Brook.

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## TEACHING EXPERIENCE

- 2014-present    **Assistant Clinical Professor**, Community-Based Clinical Faculty, Department of Obstetrics and Gynecology, University of Connecticut School of Medicine.
- 2012-present    **Attending Physician**, Resident Continuity Clinic, In-house Call
- 2011-2013      **Fellowship Faculty**, Department of Obstetrics and Gynecology, Preceptor for Fellowship in MIGS at THOCC
- 2009-2011      **Fellow**, Department of Obstetrics and Gynecology, Preceptor for Resident Continuity Clinic
- 2005-2009      **Resident Physician**, Obstetrics and Gynecology, Medical Student Education
- 2002-2005      **Undergraduate Teaching Fellow**, Department of OMM, New York College of Osteopathic Medicine, Medical Student Education
- 1998-2000      **Research Associate**, Department of Gastroenterology, SUNY at Stony Brook-School of Medicine, Undergraduate and Graduate Student Education

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## AWARDS AND HONORS

- 2009      **University of Connecticut/AAGL, Annual Award for Excellence in Endoscopic Gynecology**
- 2006      **University of Connecticut, Dr Ferdinand Sauer Award**; Awarded to the intern that displays excellence in morning report and in teaching medical students.
- 2005      **New York College of Osteopathic Medicine**, Department of OB/Gyn Award for Outstanding Achievement.
- 2003      **Psi Sigma Alpha**, Iota Chapter, National Osteopathic Honor Society
- 2002      **Undergraduate teaching fellowship**, Department of OMM, New York College of Osteopathic Medicine, teaching scholarship.
- 1991 & 1995    **Dean's List**, State University of New York at Stony Brook

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## ORGANIZATIONS

- 2008-present    **Associate Member, American Association of Gynecologic Laparoscopy**
- 2006-present    **Associate Member, American Society for Reproductive Medicine**
- 2005-present    **Junior Fellow, American College of Obstetricians and Gynecologists**

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## ABSTRACTS

Does the Difference in Fascial Closure Surgical Technique Affect Post-Operative Pain?

A Lyapis, **R LaMonica**, DE Luciano, A Ulrich, L Kaye, AA Luciano. *Presented at the 44<sup>th</sup> Global Congress of Minimally Invasive Gynecology. Las Vegas, Nov 15-19, 2015.*

Traditional Versus Robotic Assisted Laparoscopic Staging of Endometriosis Luciano DE, Grove A, Lyapis AV, **LaMonica R**, Goldsby T, Luciano AA. *Presented at the 42<sup>nd</sup> Global Congress of Minimally Invasive Gynecology. National Harbor, MD, Nov 10-14, 2013.*

Comparative Analyses of Abdominal, Vaginal, Laparoscopic and Robotic Hysterectomies, Performed by Less and More Experienced Robotic Surgeons Luciano DE, Lyapis AV, Kreadon U, **LaMonica R**, Luciano AA. . *Presented at the 41<sup>st</sup> Global Congress of Minimally Invasive Gynecology. Las Vegas, Nov 5-9, 2012.*

Incidence of Uterine Septum in Reproductive Aged Women With and Without Endometriosis. **R. LaMonica**, J. Pinto, D.E. Luciano, and A.A. Luciano. *Presented at the 40<sup>th</sup> Global Congress of Minimally Invasive Gynecology. Hollywood, FL, Nov 7-10, 2011.*

Two and Three-Dimensional Ultrasound Evaluation of Adenomyosis and Histological Correlation on Ultrasound Targeted Biopsies of the Myometrium at Hysterectomy Luciano DE, Albrecht L, **LaMonica R**, Luciano AA, Exacoustos C. *Presented at the 40<sup>th</sup> Global Congress of Minimally Invasive Gynecology. Hollywood, FL, Nov 7-10, 2011.*

Safe Laparoscopic Entry Technique - A Follow-Up Retrospective Review of the Last 2000 Cases Corbett B, Luciano DE, **LaMonica R**, Roy G, Luciano AA. *Presented at the 40<sup>th</sup> Global Congress of Minimally Invasive Gynecology. Hollywood, FL, Nov 7-10, 2011.*

Spraysheild System, Results from a USA IDE Pilot Study for the Reduction of Postoperative Adhesions at Laparoscopy Luciano DE, **LaMonica R**, Luciano AA. *Presented at the 39<sup>th</sup> Global Congress of Minimally Invasive Gynecology. Las Vegas, Nov 8-12, 2010.*

Effect of Bupivacaine on Laparoscopic Incisional Pain: A Double-Blinded, Placebo-Controlled Randomized Study. **R. LaMonica**, S. Sugarman, D.E. Luciano, and A. A. Luciano. *Presented at the 39<sup>th</sup> Global Congress of Minimally Invasive Gynecology. Las Vegas, Nov 8-12, 2010.*

Elective cryopreservation of all embryos after GnRH Agonist trigger is not justified because of the comparable success rates between fresh and cryo-thawed embryo transfers. **R. LaMonica**, L.J. Siano, J.C. Nulsen, D.B. Maier, C.A. Benadiva, L.L. Engmann. *Fertility and Sterility. 2007 Sept; 88 Sup 1: S135. Presented at 63rd Annual Meeting of The American Society for Reproductive Medicine, Washington, DC, October 13th-October 17th, 2007*

Immunohistochemistry confirms the presence of chronic endometritis in patients with recurrent implantation failure. **R. LaMonica**, J.M. Hartnett, L. Engmann, M.M. Sanders, D. Maier, C. Benadiva. *Fertility and Sterility. 2006 Sept; 86 Sup 2: S280. Presented at 62nd Annual Meeting of The American Society for Reproductive Medicine, New Orleans, LA, October 21st-October 25th, 2006*

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## PUBLICATIONS

**LaMonica R**, Pinto J, Luciano D, Lyapis A, Luciano A. Incidence of Septate Uterus in Reproductive-Aged Women With and Without Endometriosis. *J Minim Invasive Gynecol*. 2016 Feb 23. pii: S1553-4650(16)00113-8. doi: 10.1016/j.jmig.2016.02.010. [Epub ahead of print]

Luciano DE, Exacoustos C, Albrecht L, **LaMonica R**, Proffer A, Zupi E, Luciano AA. Three-dimensional ultrasound in diagnosis of adenomyosis: histologic correlation with ultrasound targeted biopsies of the uterus. *J Minim Invasive Gynecol*. 2013 Nov-Dec;20(6):803-10. doi: 10.1016/j.jmig.2013.05.002.

Anthony A. Luciano, M.D., **Rachel LaMonica**, D.O., and Danielle E. Luciano, M.D. Strategies and steps for the surgical management of endometriosis. *OBG Management*. Nov 2011;23(11): 34-43.

Anthony A. Luciano, M.D., **Rachel LaMonica**, D.O., and Danielle E. Luciano, M.D. *Laparoscopy. Precipis, Gynecology, Fourth Edition.*

**LaMonica, R** and Snyder, P. *Obstetrics and Gynecology Chapter of: Anatomy & Osteopathic Review for COMLEX by Modi, R and Shah, N. Blackwell Publishing, 2005.*

Gavrilovskaya I, **LaMonica R**, Fay ME, Hjelle B, Schmaljohn C, Shaw R, and Mackow E. New York 1 and Sin Nombre viruses are serotypically distinct Viruses associated with hantavirus pulmonary syndrome. *J Clin Microbiol*. Jan; 37(1): 122-6.

Denisova E, Dowling W, **LaMonica R**, Shaw R, Scarlata S, Ruggeri F, and Mackow E. Rotavirus capsid protein VP5 permeabilizes membranes. *J Virol*. 1999 Apr; 73(4): 3147-53.

Dowling W, Denisova E, **LaMonica R**, and Mackow E. Selective membrane permeabilization by the Rotavirus VP5 protein is abrogated by mutations in an internal hydrophobic domain. *J Virol*. 2000 Jul; 74(14): 6368-76.

**LaMonica R**, Kocer SS, Nazarova J, Dowling W, Geimonen E, Shaw R, and Mackow E, VP4 differentially regulates TRAF2 signaling, disengaging JNK activation while directing NF-kappa B to effect rotavirus-specific cellular responses. *J Biol Chem*. 2001 Jun 8; 276(23): 19889-96. *Presented at the Annual Meeting of The American Society for Virology, Amherst, MA, 1999*

Geimonen E, **LaMonica R**, Springer K, Farooqui Y, Gavrilovskaya IN, and Mackow E. Hantavirus pulmonary syndrome-associated hantaviruses contain conserved and functional ITAM signaling elements. *J Virol*. 2003 Jan; 77(2): 1638-43.