

**IN THE UNITED STATES DISTRICT COURT
FOR THE MIDDLE DISTRICT OF TENNESSEE**

Planned Parenthood of Tennessee and North
Mississippi; *et al.*,

Plaintiffs,

v.

Herbert H. SLATERY III, Attorney General of
Tennessee, in his official capacity; *et al.*,

Defendants.

Case No. 3:20-cv-00740

JUDGE CAMPBELL

**DECLARATION OF AUDREY LANCE, M.D., M.S.,
IN SUPPORT OF PLAINTIFFS' MOTION FOR
TEMPORARY RESTRAINING ORDER AND/OR PRELIMINARY INJUNCTION**

Audrey Lance, M.D., M.S., declares the following under penalty of perjury:

1. I am a Plaintiff in this lawsuit and submit this declaration in support of Plaintiffs' motion for temporary and/or preliminary injunctive relief to enjoin enforcement of Tenn. Code Ann. § 39-15-218 (effective October 1, 2020) ("the Act").

2. I am a board-certified obstetrician/gynecologist ("OBGYN"). I am licensed to practice in Tennessee, Michigan, and Pennsylvania. I have been practicing medicine for over thirteen years and have been providing abortion care for over ten years. I have been providing abortions, including medication abortions, to patients at Planned Parenthood of Tennessee and North Mississippi ("PPTNM") since January 2019.

3. The Act puts me in the impossible situation of having to violate my ethical obligation to my patients and my values and principles as a physician, upon threat of being charged with a Class E felony and/or facing other civil liability or licensure penalties.

My Background

4. I obtained my medical degree from the George Washington University School of Medicine in 2007. I completed my residency at the University of Michigan Health System, Ann Arbor in the Department of Obstetrics and Gynecology in 2011, and a fellowship in Family Planning at the University of Michigan Health Center, Ann Arbor in 2013. I received a Master of Science in Health and Health Services Research from the University of Michigan, Ann Arbor in 2013. I have been a board-certified OBGYN since 2013.

5. I served as the Director of the Ryan Residency Training Program in Abortion and Family Planning at Magee-Womens Hospital of the University of Pittsburgh Medical Center (“UMPC”) from July 2014 to September 2018. I taught at Magee-Womens Hospital as an Assistant Professor from 2013 to 2018 and served as Director of its outpatient clinic from May 2016 to September 2018. I have also taught as a Clinical Lecturer at the University of Michigan School of Medicine.

6. I am a member of a number of professional associations, including the American College of Obstetricians and Gynecologists (“ACOG”), where I am a fellow; the Society of Family Planning (“SFP”), where I am a junior fellow; the Association for Reproductive Health Professionals; the American Society of Reproductive Medicine; the Norman F. Miller Gynecologic Society at the University of Michigan; and the National Abortion Federation. I am also a reviewer for several journals including *Obstetrics & Gynecology*, the *International Journal for Gynecology & Obstetrics*, *Contraception*, and *MedEd Portal*.

7. I base the opinions herein on my personal knowledge; my background, training, and expertise in the field of obstetrics and gynecology and abortion in particular; and my experience providing reproductive health care, including abortion care, to my patients.

8. My curriculum vitae is attached hereto as Exhibit A.

My Abortion Patients and Practice

9. Patients seek abortions for any number of reasons, including familial, financial, personal, medical, and emotional reasons. Many of my patients already have children. Some patients simply feel that now is not the right time to become a parent. Some of my patients do not wish to become a parent at all.

10. Generally, abortion patients within eleven weeks (77 days) from the start of their last menstrual period (“LMP”)¹ can choose between medication abortion and procedural abortion.

11. Medication abortion generally involves a two-drug regimen: mifepristone, which is provided at a health center, followed by misoprostol, which is taken later, at a location of the patient’s choosing (often their home).

12. Taken alone, the mifepristone administered as part of a medication abortion will terminate a significant percentage of pregnancies, but not all.² Taken together, the two-drug medication abortion regimen is highly effective at terminating a pregnancy.

13. As mentioned above, patients who are within eleven weeks of pregnancy generally have the option of either medication abortion or procedural abortion. Some patients prefer medication abortion because it feels less invasive and more natural than procedural abortion, and because completing the process at home allows them more privacy and control. In particular, patients with a history of sexual trauma may strongly prefer medication abortion in order to avoid the emotional distress that may result from having instruments inserted vaginally, as would be necessary for a procedural abortion. I have also cared for many patients in abusive relationships,

¹ In the medical context, pregnancy is measured from the first day of a patient’s LMP.

² David Grossman & Kari White, *Abortion “Reversal” — Legislating Without Evidence*, 379(16) N. Eng. J. Med. (2018) 1491, 1491-1492 (noting studies documenting rates of continuing pregnancy after taking mifepristone alone at 8%-46%).

who prefer medication abortion because it is more private and thus may be less likely to subject them to further abuse. And for some patients with certain medical conditions, which would make a procedural abortion difficult, medication abortion may be medically preferable.

14. Providing high quality, evidence-based, and patient-centered health care to my patients is core to my values and principles and I take seriously my ethical obligations to my patients.

My Abortion Practice

15. Consistent with my values and ethical obligations, I obtain my patients' informed consent for any medical care I provide them, including medication abortions.

16. I consider the informed consent process to be essential to the ethical practice of medicine. The informed consent process ensures that my patients can make informed decisions about their health care and choose what is right for them.

17. As part of the informed consent process, I provide my patients with evidence-based, relevant information about the risks and benefits of any treatment or procedure under consideration, as well as the risks and benefits of the alternatives. Thus, for my patients seeking abortion care, I provide them with information about the risks and benefits of the different methods of abortion, as well as childbirth. I also discuss with them the alternatives to abortion (parenting and adoption).

18. During this process, I exercise my best medical judgment in determining how to provide accurate, relevant information to my patients to ensure that they understand it and can use it to inform their decision-making process.

19. Trust between me and my patients is crucial, both for ensuring that I can provide them with the best medical care and for facilitating informed consent. My patients need to be able to trust me enough to reveal their private medical information to me and ask me personal or

uncomfortable questions. My patients also need to be able to trust that I am giving them accurate, evidence-based information and medical advice that is in their best interests. My patients' decisions are theirs alone to make, and they need to be able to trust me to provide them with the information they need to make that decision in an informed way.

20. Before providing an abortion to any patient, I always stress to the patient that she should be absolutely firm and resolute in her decision, whether she is having a medication or procedural abortion.

21. Most of my patients are confident in their decisions when they first come to me. If any patient expresses any doubt or seems hesitant, I tell them that they need to be confident in their decision before they start, and so they should take more time.

22. I never provide an abortion for a patient unless I am confident that they have come to a full and informed decision that this is the best option for them.

23. No matter what, I always stress to each patient that I support and respect *whatever* decision they arrive at, whether that be to obtain an abortion, to wait a while longer to make their decision, or to carry their pregnancy to term.

24. It would be unethical for me to give a patient medical information that is contradicted or unsupported by medical evidence, or information that I do not believe is accurate based on my training, experience, and medical judgment.

25. I would also consider it unethical to communicate statements to my patients that I believe are likely to mislead them, particularly if such statements may mislead them in a way that interferes with their informed decision-making.

26. Finally, I would consider it misleading to direct my patients to any medical treatment that was not demonstrated to be safe or effective.

The Act

27. I have reviewed Tenn. Code Ann. § 39-15-218.

28. I understand that the Act requires that, prior to providing any patient with a medication abortion, a physician must, at least 48 hours earlier, inform the patient that “[i]t may be possible to reverse the intended effects of a chemical abortion” and that “[i]nformation on and assistance with reversing the effects of a chemical abortion . . . is available on the department of health website.”³

29. In addition, I understand that the Tennessee Department of Health is required, within ninety days of the Act’s effective date, to publish information on its website “designed to inform the woman of the possibility of reversing the effects of a chemical abortions utilizing mifepristone” and is required to provide “information on and assistance with the resources that may be available to help reverse the effects of a chemical abortion.”⁴ I understand that the Department of Health has not yet published these materials on their website.

30. I also understand that the Act requires that any clinic providing more than fifty “elective” abortions in the previous calendar year must post a sign in all waiting rooms and patient consultation rooms used by patients obtaining abortions that states: “Recent developing research has indicated that mifepristone alone is not always effective in ending a pregnancy. It may be possible to avoid, cease, or even reverse the intended effects of a chemical abortion utilizing mifepristone if the second pill has not been taken. Please consult with a healthcare professional immediately.”⁵

³ Tenn. Code Ann. § 39-15-218(e).

⁴ Tenn. Code Ann. § 39-15-218(h).

⁵ Tenn. Code Ann. § 39-15-218(b).

31. I understand that the Act requires this same statement be provided to medication abortion patients in writing upon discharge.⁶

32. Finally, I understand that a violation of the Act is Class E felony and may subject physicians to civil liability and potential licensure penalties.⁷ I further understand that under the Act, medical facilities may be fined \$10,000 per day for noncompliance.⁸

The Act and its Effects on My Practice and Patients

33. I am deeply concerned about the effect the Act will have on my patients.

34. I am concerned the Act will force me to provide inaccurate and misleading information to patients that is not relevant to their decision to have an abortion, and that this will undermine their trust in me as a physician.

35. I am also deeply concerned that the Act's mandated communications will mislead my patients into believing that, contrary to what I have emphasized to them, they do not need to be confident in their decision at the time they take the mifepristone, under the mistaken understanding that they can "reverse" the procedure later. This creates a risk of harm to my patients that is simply unacceptable.

36. I am also gravely concerned that the Act will force me to direct my patients to treatments that have not been demonstrated to be safe or effective.

37. I am familiar with the theory behind so-called medication abortion "reversal" treatments: that large doses of a progestin medication administered after a patient takes mifepristone but before the patient takes misoprostol may "reverse" the effects of mifepristone, which is a progesterone antagonist. I know of no evidence to support this theory and that "reversal"

⁶ Tenn. Code Ann. § 39-15-218(f).

⁷ Tenn. Code Ann. §§ 39-15-218(j), (l).

⁸ Tenn. Code Ann. § 39-15-218(k).

treatments have not been demonstrated to have any effect on continuing rates of pregnancy after mifepristone ingestion. No randomized controlled trials have been conducted that demonstrate the safety or effectiveness of “reversal” treatments.

38. I am aware that ACOG, the leading professional association of OBGYNs, has concluded based on the evidence that “there is no evidence that treatment with progesterone after taking mifepristone increases the likelihood of the pregnancy continuing.”⁹

39. I do not personally know any physicians that offer medication abortion “reversal” treatments. This is not surprising, given that it is not a treatment that is accepted by the mainstream medical community.

40. The only randomized controlled study of the effect of progesterone after mifepristone is taken and before misoprostol is taken was halted due to safety concerns raised when three participants experienced severe hemorrhage requiring hospital transport.¹⁰

41. After review of this study, ACOG has advised that “limited available evidence suggests that use of mifepristone alone without subsequent administration of misoprostol may be associated with an increased risk of hemorrhage.”¹¹

42. I strongly object to being forced to provide my patients with untruthful, misleading statements about abortion “reversal,” which is not relevant to their decision-making; being forced to provide information that is going to confuse and possibly mislead my patients, undermining their informed decision-making; and being forced to direct my patients to unproven treatments that

⁹ ACOG, *Practice Bulletin Number 225*, 136 *Obstetrics & Gynecology* 1, 3 (2020) (Oct. 2020) (hereinafter “ACOG/SFP Guidelines”).

¹⁰ Mitchell D. Creinin et al., *Mifepristone Antagonization with Progesterone to Prevent Medication Abortion: A Randomized Controlled Trial*, 135 *Obstetrics & Gynecology* 158, (Jan. 2020).

¹¹ ACOG/SFP Guidelines, *supra* n.9, at 3.

may be unsafe. I strongly object to being forced to do these things under threat of criminal prosecution.

43. I take my obligations to my patients very seriously. The Act would force me to either risk criminal, civil, and licensure penalties or violate my core principles and ethical obligations to be honest with my patients, to do what is in their best interest, and to “do no harm” to them.

44. I am aware of no other field in healthcare where healthcare providers are required to communicate false or misleading statements to patients, or direct patients towards unknown treatments with no basis in medical evidence and which have not been demonstrated to be safe.

Dated: August __, 2020

A handwritten signature in black ink, appearing to read 'Audrey Lance', written over a horizontal line.

Audrey Lance, M.D., M.S.

EXHIBIT A

Audrey A. Lance, MD, MS, FACOG

Education and Training

Undergraduate:

August 1999 - August 2000 Michigan State University, East Lansing, MI
September 2000 - April 2003 BA in Women's Studies, With Distinction
University of Michigan, Ann Arbor, MI

Graduate:

August 2003 - May 2007 MD
George Washington University School of Medicine,
Washington, D.C.

July 2004 Medical Students for Choice Reproductive Health Externship,
Johns Hopkins Bayview Medical Center and Planned
Parenthood of Baltimore and Annapolis

Postdoctoral Training:

July 2007 - June 2011 Residency - Department of Obstetrics and Gynecology,
University of Michigan Health System, Ann Arbor,

July 2011 – June 2013 Fellowship in Family Planning - Department of Obstetrics and
Gynecology, University of Michigan Health System, Ann Arbor,
MI

July 2011 – June 2013 Master of Science in Health and Health Services Research
Rackham Graduate School, University of Michigan, Ann Arbor,
MI

October 2012 – May 2013 Physicians for Reproductive Health – Leadership Training
Academy

May 2016 Physicians for Reproductive Health – Leadership Training
Academy Alumni Course

July 2016 AAMC Early Career Women Faculty Professional Development
Seminar, Englewood, CO

Certification and Licensure

July 2007 – Present Certified – Basic Life Support (BLS)
September 2018 – Present Certified – Advanced Cardiac Life Support (ACLS)
July 2011 – Present DEA Controlled Substance License

November 2013 – Present	Board Certification: American Board of Obstetrics & Gynecology
May 2013 – Present	Commonwealth of Pennsylvania Permanent Medical License
July 2011 – December 2014	State of Michigan Permanent Medical License
August 2018 - Present	State of Michigan Permanent Medical License
November 2018 – Present	State of Tennessee Medical License

Clinical, Academic, and Administrative Appointments

Clinical:

June 2012 – June 2013	Staff Physician – Planned Parenthood of Mid and South Michigan, Ann Arbor, MI
August 2013 – Sept 2018	Staff Physician – Planned Parenthood of Western Pennsylvania, Pittsburgh, PA
August 2018 – Present	Maven Physician – MavenClinic.com
October 2018 – Present	Staff Physician – Northland Family Planning Centers, Michigan
December 2018 – Present	Staff Physician – Planned Parenthood of Tennessee and Northern Mississippi
April 2019 – Present	Clinical privileges at Detroit Medical Center
September 2019 – Present	Physician with Simple Health, Inc

Academic:

July 2011 – June 2013	Clinical Lecturer – Department of Obstetrics and Gynecology, University of Michigan Medical School, Ann Arbor, MI
August 2013 – Sept 2018	Assistant Professor – Department of Obstetrics, Gynecology & Reproductive Sciences, Magee-Womens Hospital of UPMC, Pittsburgh, PA
August 2013 – Sept 2018	Co-Investigator – Center for Family Planning Research, Magee-Womens Hospital of UPMC, Pittsburgh, PA

Administrative:

July 2014 – Sept 2018	Director – Kenneth J. Ryan Residency Training Program in Abortion and Family Planning, Magee-Womens Hospital of UPMC, Pittsburgh, PA
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Audrey A. Lance, MD, MS, FACOG
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May 2016 – Sept 2018

Medical Director – Magee-Womens Hospital Outpatient Clinic,
Magee-Womens Hospital of UPMC, Pittsburgh, PA

Grants

Past:

Sponsor: Dr. Barnett A. Slepian Memorial Fund

Title: Clinical Abortion Training Grant

Grant Recipient: Audrey A. Lance

Dates: June 2004 – July 2004

Funding Amount: \$2,000

Sponsor: Milton Goldrath Resident Research Award

Title: Predictors of patient use and continuation of highly effective post-partum contraception

Principal Investigator: Audrey A. Lance, MD, MS

Co-Investigators: Vanessa Dalton, MD, MPH and Jamie McGuire, MD

Dates: January 2009 – July 2013

Funding Amount: \$2,000

Sponsor: Society of Family Planning Research Fund

Title: *Can 16 and Pregnant* affect attitudes towards teen pregnancy among young women? A randomized controlled trial

Principal Investigator: Audrey A. Lance, MD, MS

Co-Investigators: Lisa Harris, MD, PhD, Vanessa Dalton, MD, MPH

Dates: April 2012 – July 2013

Funding amount: \$70,000

Sponsor: Kenneth J. Ryan Residency Training Program in Abortion & Family Planning

Title: Ryan Residency Training Program Grant – University of Pittsburgh

Principal Investigator: Audrey A. Lance, MD, MS

Dates: July 2014 – June 2015

Funding Amount: \$ 283,587

Sponsor: Kenneth J. Ryan Residency Training Program in Abortion & Family Planning

Title: Ryan Residency Training Program Grant – University of Pittsburgh

Principal Investigator: Audrey A. Lance, MD, MS

Dates: July 2015 – June 2016

Funding Amount: \$ 246,665

Honors and Awards

September 2003

Dr. Bernard and Mildred S. Katzen Medical Education Award, George Washington University School of Medicine

Audrey A. Lance, MD, MS, FACOG

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2004	Arnold P. Gold Foundation Humanism in Medicine Honor Society, George Washington University School of Medicine
October 2006	Edith Seville Coale Award – Zonta Club of Washington D.C.
May 2007	Rachel Morris Dominick Award for Excellence in Obstetrics & Gynecology, George Washington University School of Medicine, Department of Obstetrics & Gynecology
2008	Wyeth Pharmaceuticals New Leaders Award (Scholarship to Association of Reproductive Health Professionals Annual Meeting)
2009	Dr. Milton Goldrath Resident Research Award, University of Michigan Department of Obstetrics & Gynecology
2011	Golden Pen Award, University of Michigan Department of Obstetrics & Gynecology
May 2011	Best Consultant Award, University of Michigan Certified Nurse Midwife Service
2012 - 2013	National Institutes of Health (NIH) Extramural Loan Repayment Program Award in Contraception & Infertility Research
2007-2012	Five-time recipient of Making a Difference Award, University of Michigan Health System, Ann Arbor, MI
July 2016	AAMC Early Career Women Faculty Professional Development Seminar
September 2016	AAMC Medical Education Research Certificate Program – University of Pittsburgh
June 2017	MyTip Award – University of Pittsburgh OB/GYN Residency Program
June 2018	MyTip Award – University of Pittsburgh OB/GYN Residency Program

Membership in Professional Societies

2003 – Present	Medical Students for Choice
2005 – Present	Association of Reproductive Health Professionals
2006 – 2013	American College of Obstetricians & Gynecologists Junior Fellow
2011 – Present	American Society of Reproductive Medicine
2011 – Present	Society of Family Planning (currently Junior Fellow)
2011 – Present	Norman F. Miller Gynecologic Society, University of Michigan
2012 – Present	Physicians for Reproductive Health
2012 – Present	National Abortion Federation
2013 – Present	American College of Obstetricians & Gynecologists Fellow

Editorial Positions, Boards, and Peer-Review Service

2006 – 2007	Board of Directors – Medical Students for Choice
2012 – Present	Reviewer - International Journal of Gynecology & Obstetrics (IJGO)
January 2014 – Present	Reviewer - Obstetrics & Gynecology
February 2014 – Present	Emmi Solutions Medical Advisory Board
February 2014 – Present	Nexplanon® Clinical Training Faculty (Merck)
May 2015	Magee-Womens Hospital OB/GYN Resident & Fellow Research Day Poster Judge

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May 2016 – Present
Sept 2017 – Present

Reviewer – Contraception
Reviewer – MedEd Portal

Teaching

University of Michigan

July 2011 – June 2013	Obstetrics & Gynecology 3 rd Year Clerkship – clinical teaching. University of Michigan Medical School, Ann Arbor, MI.
November 15, 2011	“Values Clarification.” University of Michigan Medical Students for Choice, Ann Arbor, MI.
March 14, 2012	“Ectopic Pregnancy”. University of Michigan Obstetrics and Gynecology Resident Core Curriculum, Ann Arbor, MI.
March 12, 2012	“Health Services for Early Pregnancy Failure: Using Women’s Treatment Preferences to Improve Quality”. Women’s Studies 400: Women’s Health, University of Michigan, Ann Arbor, MI.
March 13, 2012	“Contraceptive Myth-Busting”. University of Michigan Medical Students for Choice, Ann Arbor, MI.
April 9, 2012	“Women’s Healthcare Provider Panel”. Women’s Studies 400: Women’s Health, University of Michigan, Ann Arbor, MI.
April 2012	“Introduction to Laparoscopy”. Simulation laparoscopy lab for visiting Ghanaian medical students. University of Michigan, Ann Arbor, MI.
Aug 2012 – June 2013	“Contraception & Abortion”. Third-year Medical Student OB/GYN Clerkship Lecture, University of Michigan Medical School, Ann Arbor, MI; Recurring lecture every 8 weeks.
August 22, 2012	“Contraception”. University of Michigan Obstetrics and Gynecology Resident Core Curriculum, Ann Arbor, MI.
November 14, 2012	“Difficult Pregnancies: Miscarriage, Stillbirth, Prematurity, Delivery. Who is the Patient? Legal Ideas of Autonomy and Medical Ideas of Beneficence.” Women’s Studies 432: University of Michigan, Ann Arbor, MI.
December 13, 2012	“Values Clarification.” University of Michigan Medical Students for Choice, Ann Arbor, MI.
March 12, 2013	“Contraceptive Myth-Busting”. University of Michigan Medical Students for Choice, Ann Arbor, MI.
March 12, 2013	“Contraception”. Second-year Medical Student Reproduction Sequence, University of Michigan Medical School, Ann Arbor, MI.
March 18, 2013	“Medical Facts of Abortion”. Second-year Medical Student Reproduction Sequence, University of Michigan Medical School, Ann Arbor, MI.
March 26, 2013	“Contraception”. Fourth-year Medical Student “OB/GYN Boot Camp”, University of Michigan Medical School, Ann Arbor, MI.

International

- September 2012 “Sexually Transmitted Diseases & Pelvic Inflammatory Disease.” Millennium Medical College, Addis Ababa, Ethiopia.
- September 2012 “First Trimester Abortion and Post-Abortion Care”. Millennium Medical College, Addis Ababa, Ethiopia.
- September 2012 “Uterine Fibroids: Diagnosis and Treatment”. Millennium Medical College, Addis Ababa, Ethiopia.
- September 2012 “Contraception & Family Planning”. Millennium Medical College, Addis Ababa, Ethiopia.
- September 2012 “Contraception & Family Planning.” Hayat Medical School, Addis Ababa, Ethiopia.

University of Pittsburgh

- August 2013 – 2018 Obstetrics & Gynecology 3rd Year Clerkship – clinical teaching. University of Pittsburgh School of Medicine, Pittsburgh, PA.
- October 2013 – 2018 Family Planning Fellow Didactic Education, University of Pittsburgh Fellowship in Family Planning, Pittsburgh, PA. Participate in didactic education sessions every 2 weeks.
- October 11, 2013 “Endometrial Procedures Workshop.” Magee-Womens Hospital of UPMC Obstetrics & Gynecology Residency Intern Education Series, Pittsburgh, PA.
- October 2013 - 2018 “Medical Facts of Abortion”. Third-year Medical Student OB/GYN Clerkship, University of Pittsburgh, Pittsburgh, PA. Recurring lecture 4 times per year.
- October 31, 2013 “Values Clarification”. Magee-Womens Hospital of UPMC Obstetrics and Gynecology Resident Core Curriculum, Pittsburgh, PA.
- November 2013 –2018 Responsible for weekly Gynecology Resident evaluations for the Division of Gynecologic Specialties, Magee-Womens Hospital of UPMC Obstetrics & Gynecology Residency, Pittsburgh, PA.
- January 2014 - 2018 Practice-Based Learning Facilitator for OB/GYN 3rd year Clerkship; University of Pittsburgh School of Medicine, Pittsburgh, PA. Recurring small-group sessions 8 times per year.
- January – April 2014 Behavioral Medicine Course Small Group Facilitator (required course for 1st year medical students). University of Pittsburgh School of Medicine, Pittsburgh, PA.
- February 2014 - 2017 Reproductive and Developmental Biology Course Small Group Facilitator (required course for 2nd year medical students). University of Pittsburgh School of Medicine, Pittsburgh, PA.
- February – June 2014 Didactic teaching in abortion & contraception one hour per week with residents on their family planning rotation, Magee-Womens Hospital of UPMC, Pittsburgh, PA.
- February 11-12, 2014 Breast & Pelvic Exam Small Group Instructor (required physical exam course for 2nd year medical students) University of Pittsburgh School of Medicine, Pittsburgh, PA.

May 2014 – Sept 2018	Gynecology Resident Oral Exams (exam given during inpatient gynecology rotation). Magee-Womens Hospital of UPMC Obstetrics & Gynecology Residency, Pittsburgh, PA. Exams given to 1 st & 2 nd year residents 3 times per year.
June 2014	Developed Family Planning curriculum (didactic and simulation training) for the Magee-Womens Hospital of UPMC Obstetrics & Gynecology Residency, Pittsburgh, PA.
July 2014 – June 2018	Official Academic Mentor for Dr. Kavita Vani, Obstetrics & Gynecology Resident, Magee-Womens Hospital, Pittsburgh, PA.
July 2014 – 2018	Didactic teaching in abortion & contraception two hours per week with residents on their family planning rotation. Magee-Womens Hospital of UPMC, Pittsburgh, PA.
July 2014 – 2018	Simulation training in D&C and D&E every 5 weeks with residents on their family planning rotation. Magee-Womens Hospital of UPMC, Pittsburgh, PA.
July 10, 2014	“Contraception Fundamentals”. Magee-Womens Hospital of UPMC Obstetrics & Gynecology Resident Core Curriculum, Pittsburgh, PA.
Sept 2014 – June 2015	“Emergency Contraception & First Trimester Abortion”. University of Pittsburgh Internal Medicine Women’s Health Track Resident Core Curriculum, Pittsburgh, PA. Recurring lecture every 8 weeks.
September 12, 2014	“Endometrial Procedures & Verbal Anesthesia Workshop.” Magee-Womens Hospital of UPMC Obstetrics & Gynecology Residency Intern Education Series, Pittsburgh, PA.
September 18, 2014	“Contraceptive Implant Training”. Magee-Womens Hospital of UPMC Obstetrics & Gynecology Resident Core Curriculum, Pittsburgh, PA.
November 10, 2014	“IUD Workshop.” University of Pittsburgh Medical Students for Choice, Pittsburgh, PA.
November 14, 2014	“Contraception Workshop.” Magee-Womens Hospital of UPMC Obstetrics & Gynecology Resident Core Curriculum, Pittsburgh, PA.
January 22, 2015	“Contraception Myths.” University of Pittsburgh School of Medicine OB/GYN Interest Group, Pittsburgh, PA.
February 5, 2015	“Salpingectomy for Sterilization.” Magee-Womens Hospital of UPMC Obstetrics & Gynecology Resident Core Curriculum Journal Club, Pittsburgh, PA.
February 10, 2015	“OB/GYN Provider Panel”. University of Pittsburgh OB/GYN Interest Group, Pittsburgh, PA.
February 12, 2015	“The Papaya Model: Learning Manual Vacuum Aspiration” University of Pittsburgh Medical Students for Choice, Pittsburgh, PA.
February 16, 2015	“Contraception.” Reproductive and Developmental Biology Course (required course for 2 nd year medical students). University of Pittsburgh School of Medicine, Pittsburgh, PA.
February 17, 2015	“Spontaneous & Induced Abortion.” Reproductive and Developmental Biology Course (required course for 2 nd year medical

students). University of Pittsburgh School of Medicine, Pittsburgh, PA.

February 18 & 25, 2015 Breast & Pelvic Exam Small Group Instructor (required physical exam course for 2nd year medical students) University of Pittsburgh School of Medicine, Pittsburgh, PA.

July 2015 – 2018 Family Planning Journal Club - Founder. Magee-Womens Hospital of UPMC Obstetrics & Gynecology Residency, Pittsburgh, PA. (Family Planning division holds journal club ~3 times per year).

July 2, 2015 “Contraceptive Implant Training”. Magee-Womens Hospital of UPMC Obstetrics & Gynecology Resident Core Curriculum, Pittsburgh, PA.

September 17, 2015 “Contraception Fundamentals”. Magee-Womens Hospital of UPMC Obstetrics & Gynecology Resident Core Curriculum, Pittsburgh, PA.

October 23, 2015 “Contraception Workshop.” Magee-Womens Hospital of UPMC Obstetrics & Gynecology Residency Intern Education Series, Pittsburgh, PA.

November 20, 2015 “Endometrial Procedures & Verbal Anesthesia Workshop.” Magee-Womens Hospital of UPMC Obstetrics & Gynecology Residency Intern Education Series, Pittsburgh, PA.

January 2016 Advanced Medical Interviewing (required course for 2nd year medical students). University of Pittsburgh School of Medicine, Pittsburgh, PA.

February 10, 2016 “The Papaya Model: Learning Manual Vacuum Aspiration & IUD Insertion” University of Pittsburgh Medical Students for Choice, Pittsburgh, PA.

February 15, 2016 “Contraception.” Reproductive and Developmental Biology Course (required course for 2nd year medical students). University of Pittsburgh School of Medicine, Pittsburgh, PA.

February 16, 2016 “Spontaneous & Induced Abortion.” Reproductive and Developmental Biology Course (required course for 2nd year medical students). University of Pittsburgh School of Medicine, Pittsburgh, PA.

February 16, 2016 “Contraception Myths.” University of Pittsburgh School of Medicine OB/GYN Interest Group, Pittsburgh, PA.

April 4, 2016 “Values Clarification Workshop” University of Pittsburgh Medical Students for Choice, Pittsburgh, PA.

April 28, 2016 “Postpartum Tubal Ligation” University of Pittsburgh, OB Anesthesia Fellowship Lecture Series, Pittsburgh, PA

July 28, 2016 “Contraception: Management of Challenging Scenarios, Side Effects, & Complications”, Magee-Womens Hospital of UPMC Obstetrics & Gynecology Resident Core Curriculum, Pittsburgh, PA.

August 19, 2016 “Contraception Workshop”, Magee-Womens Hospital of UPMC Obstetrics & Gynecology Residency Intern Education Series, Pittsburgh, PA.

November 29, 2016	“Contraception: Management of Challenging Scenarios, Side Effects, & Complications” University of Pittsburgh Student Health, Pittsburgh, PA
Nov 2016 – June 2017	“Emergency Contraception & First Trimester Abortion”. University of Pittsburgh Internal Medicine Women’s Health Track Resident Core Curriculum, Pittsburgh, PA. Recurring lecture every 8 weeks.
November 18, 2016	“How to function in the clinic”, Magee-Womens Hospital of UPMC Obstetrics & Gynecology Residency Intern Education Series, Pittsburgh, PA.
November 18, 2016	“Endometrial Procedures Workshop”, Magee-Womens Hospital of UPMC Obstetrics & Gynecology Residency Intern Education Series, Pittsburgh, PA.
December 8, 2016	“Post-placental IUD training workshop”, Magee-Womens Hospital of UPMC Obstetrics & Gynecology Resident Core Curriculum, Pittsburgh, PA.
February 13, 2017	“Contraception.” Reproductive and Developmental Biology Course (required course for 2 nd year medical students). University of Pittsburgh School of Medicine, Pittsburgh, PA.
February 13, 2017	“The Papaya Model: Learning Manual Vacuum Aspiration” University of Pittsburgh Medical Students for Choice, Pittsburgh, PA.
February 14, 2017	“Spontaneous & Induced Abortion.” Reproductive and Developmental Biology Course (required course for 2 nd year medical students). University of Pittsburgh School of Medicine, Pittsburgh, PA.
February 27, 2017	Breast & Pelvic Exam Small Group Instructor (required physical exam course for 2 nd year medical students) University of Pittsburgh School of Medicine, Pittsburgh, PA.
April 27, 2017	“Postpartum Tubal Ligation” University of Pittsburgh, OB Anesthesia Fellowship Lecture Series, Pittsburgh, PA
June 22, 2017	“Contraception: Management of Challenging Scenarios, Side Effects, & Complications”, Magee-Womens Hospital of UPMC Obstetrics & Gynecology Resident Core Curriculum, Pittsburgh, PA.
August 18, 2017	“Contraception Workshop”, Magee-Womens Hospital of UPMC Obstetrics & Gynecology Residency Intern Education Series, Pittsburgh, PA.
September 15, 2017	“How to function in the clinic and work effectively as a team”, Magee-Womens Hospital of UPMC Obstetrics & Gynecology Residency Intern Education Series, Pittsburgh, PA.
January – February 2018	Development of Physician Advocacy Mini-Elective for MS1 & MS2. University of Pittsburgh School of Medicine, Pittsburgh, PA. Curriculum development and Course Director.

Mentorship Activities

June – July 2014	Dr. Nicole Falls, OBGYN Resident at Magee-Womens Hospital of UPMC – Mentor for Grand Rounds Presentation on Postpartum Sterilization
June – July 2016	Dr. Jessica Rose, OBGYN Resident at Magee-Womens Hospital of UPMC – Mentor for Grand Rounds Presentation on Manual Vacuum Aspiration
December 2016 – Present	Tejasvi Gowda, University of Pittsburgh Medical Student Mentor for medical school scholarly research project
June – July 2017	Dr. Misha Pangasa, OBGYN Resident at Magee-Womens Hospital of UPMC – Mentor for Grand Rounds Presentation on the ACA
August 2017 – Sept 2018	Colleen Judge, University of Pittsburgh MD/PhD Student Clinical Mentor for longitudinal clinical experience
August 2017 – June 2018	FAST (Faculty & Students Together) Advising – University of Pittsburgh Medical School

Committee, Organizational and Volunteer Service

University of Michigan

2010 – 2011	Residency Advisory Committee, University of Michigan Obstetrics & Gynecology Residency Program, Ann Arbor, MI
2011 – 2013	Faculty Advisor – Medical Students for Choice, University of Michigan Chapter, Ann Arbor, MI
2011 – 2013	Fetal Loss Committee & Task Force on Education, University of Michigan Health System, Ann Arbor, MI
2011 – 2013	Fellowship Advisory Committee, University of Michigan Department of Obstetrics & Gynecology, Ann Arbor, MI
2011 – 2013	University Hospital Adult Ethics Committee, University of Michigan Health System, Ann Arbor, MI

George Washington University

2004 – 2005	Chapter Coordinator - Medical Students for Choice, George Washington University School of Medicine, Washington, D.C.
2004 – 2007	Founder & Co-President, Sexual Violence Awareness Group, George Washington University School of Medicine, Washington, D.C.

University of Pittsburgh

2014 – 2018	Multidisciplinary Emergency Service Committee, Magee-Womens Hospital of UPMC, Pittsburgh, PA
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2014 – 2018 Faculty Advisor – Medical Students for Choice, University of Pittsburgh Chapter, Pittsburgh, PA
 2016 – 2018 Clinic Improvement Committee
 2017 – Present Family Planning Fellowship Guide to Learning Revision Committee
 2017 North American Forum on Family Planning’s Scientific Abstract Committee
 2017 – 2018 Reproductive Bridges Coalition of Pittsburgh Founding Member

Regional

2004 – 2005 Region 9 Coordinator – Medical Students for Choice
 2016 – 2018 Council Member, Pennsylvania Section of American College of Obstetricians & Gynecologists

National

2006 – 2007 National Coordinator – Medical Students for Choice
 2006 – 2007 Fundraising & Nominating Committee Members, Medical Students for Choice Board of Directors

International

July-August 2002 HIV/AIDS Educator – South African Red Cross
 September 2012 Family Planning Educator - St. Paul’s Hospital & Millennium Medical College, Addis Ababa, Ethiopia

Volunteer Service

2000 – 2001 Peer Education Volunteer, University of Michigan Sexual Assault Prevention and Awareness Center, Ann Arbor, Michigan
 2002 Health Educator, Washtenaw County Jail, Ann Arbor Michigan
 2004 – 2007 Crisis Hotline Volunteer – Sexual Assault Response & Awareness Program, Alexandria Office on Women, Alexandria Virginia

Visiting Professorships & Extramural Invited Presentations

April 2006 “Filling the Gap: Abortion Education Throughout Medical Training”. American Medical Student Association 56th Annual Convention.
 June 2005 “On Being a Pro-Choice Medical Student”. National Gloria Steinem Leadership Institute. Washington, D.C.
 June 14, 2006 “Access to Abortion Services: Where Are We Now and Where Are We Headed?” National Family Planning and Reproductive Health Association (NFPRA) 33rd National Conference. Washington, D.C.
 July 2006 “On Being a Pro-Choice Medical Student”. National Gloria Steinem Leadership Institute. Washington, D.C.
 November 2008 “The Papaya Model: Learning Manual Vacuum Aspiration”. Medical Students for Choice National Conference, St. Louis, MO.
 April 2010 “The Papaya Model: Learning Manual Vacuum Aspiration”. Medical Students for Choice, Michigan State University Chapter, East Lansing, MI.

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February 2011 "The Papaya Model: Learning Manual Vacuum Aspiration". Medical Students for Choice, Michigan State University Chapter, East Lansing, MI.

March 2011 Grand Rounds - "Michigan's Reproductive Health Laws". University of Michigan Department of Obstetrics and Gynecology, Ann Arbor, MI.

April 2011 "The Papaya Model: Learning Manual Vacuum Aspiration". Medical Students for Choice Regional Conference, Detroit, MI.

November 2011 "What Effect Would Defunding Planned Parenthood Have on Women's Health?" Michigan State University Law Students for Reproductive Justice, East Lansing, MI.

March 2012 "The Papaya Model: Learning Manual Vacuum Aspiration". Medical Students for Choice, Michigan State University Chapter, East Lansing, MI.

September 2012 "Update on Contraception". St. Paul's Hospital Department of Obstetrics and Gynecology, Addis Ababa, Ethiopia.

September 2012 "Surgical Techniques for Second Trimester Abortion". St. Paul's Hospital Department of Obstetrics and Gynecology, Addis Ababa, Ethiopia.

November 2012 Grand Rounds - "Entertainment-Education: Rethinking Patient Education and Public Health." University of Iowa Department of Obstetrics and Gynecology, Iowa City, IA.

April 18, 2013 Grand Rounds - "Entertainment-Education: Rethinking Patient Education and Public Health." University of Michigan Department of Obstetrics and Gynecology, Ann Arbor, MI.

April 9, 2014 "Abortion Stigma". North American Society for Psychosocial Obstetrics and Gynecology 2014 Annual Meeting, Columbus, OH.

April 26, 2014 "Ryan Program 101: Tips & Tricks." 15th Annual Fellowship in Family Planning Meeting, Chicago, IL.

March 30, 2015 "Implications of Targeted Regulation of Abortion Providers". Reproductive Health, Rights, Access & Action Conference, University of Pittsburgh, Pittsburgh, PA.

December 7, 2015 "Physician Advocacy in Reproductive Health." Internal Medicine Women's Health Lecture Series, University of Pittsburgh, Pittsburgh, PA.

January 29, 2016 "The Papaya Model: Learning Manual Vacuum Aspiration." Medical Students for Choice Abortion Training Institute, Philadelphia, PA.

January 30, 2016 "First Trimester Abortion." Medical Students for Choice Abortion Training Institute, Philadelphia, PA.

January 30, 2016 "Second Trimester Abortion Simulation Model." Medical Students for Choice Abortion Training Institute, Philadelphia, PA.

April 1, 2016 "Access to Contraception in the Era of the ACA." University of Pittsburgh Center for Bioethics and Health Law 25th Annual Medical Ethics Update 2016, Pittsburgh, PA.

April 1, 2016 "First Trimester Abortion." Medical Students for Choice Abortion Training Institute, Philadelphia, PA.

April 2, 2016 "The Papaya Model: Learning Manual Vacuum Aspiration." Medical Students for Choice Abortion Training Institute, Philadelphia, PA.

April 2, 2016 "Second Trimester Abortion Simulation Model." Medical Students for Choice Abortion Training Institute, Philadelphia, PA.

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May 15, 2016	“Orientation to the Family Planning Fellowship.” 17 th Annual Fellowship in Family Planning Meeting, Washington, D.C.
February 25, 2017	“Second Trimester Abortion & Simulation Model.” Medical Students for Choice Abortion Training Institute, Philadelphia, PA.
February 25, 2017	“Advocacy in Reproductive Health.” Medical Students for Choice Abortion Training Institute, Philadelphia, PA.
March 28, 2017	“Contraception in the Transplant Patient.” UPMC Presbyterian Heart & Lung Transplant Division, Pittsburgh, PA.
May 5, 2017	“D&E Bans: Understanding the Implications.” 18 th Annual Fellowship in Family Planning Meeting, San Diego, CA.
June 16, 2017	“First & Second Trimester Abortion & Reproductive Health Advocacy” – Michigan State University College of Osteopathic Medicine Chapter of Medical Students for Choice, Detroit, MI.
October 13, 2017	“Immediate Postpartum LARC: Successes and Challenges.” Ryan Residency Training Program Meeting (at the Forum), Atlanta, GA.
October 13, 2017	Moderator – First Year Fellows’ Research Presentations – Reproductive Health Group. North American Forum on Family Planning, Atlanta, GA.
April 25, 2018	“Best Practices in Contraceptive Counseling & Provision” – West Virginia University Hospital Department of Obstetrics & Gynecology – Grand Rounds, Morgantown, WV.
February 25, 2019	“Immediate Postpartum LARC” – Erlanger Health System, Chattanooga, TN.
April 10, 2019	“Immediate Postpartum LARC” – Sanford Health System, Sioux Falls, SD.
August 14, 2019	“Contraceptive Counseling” – Prisma Health System, Greenville, SC.

Bibliography

Peer-Reviewed Publications

1. Chen BA, Blithe DL, Muraguri GR, **Lance AA**, et al. “Acceptability of the Woman's Condom in a Phase III multicenter open-label study”. *Contraception*, 99(6), 357-362. doi:10.1016/j.contraception.2019.02.006

Non-Peer-Reviewed Publications

1. **Lance, AA**. “Stop Michigan GOP’s Attacks on Women’s Rights”. Letter to the Editor. Detroit Free Press. February 15, 2013.
2. **Lance, AA**. “This Year’s Election is a Big One for PA Women.” Letter to the Editor. The Patriot News. October 30, 2014.
3. **Lance, AA**. “My Patients Deserve Better: Abortion bill would deny women safe choices in Pennsylvania.” Op-Ed. Pittsburgh Post-Gazette. April 14, 2016.
4. Paruchuri Y, **Lance AA**. “The Benefits and Barriers to Inpatient Nexplanon.” Pennsylvania Section of ACOG Newsletter Spring 2016.
5. **Lance AA**, Hauspurg A, Tarleton J. “Dangerous to Women: This restrictive abortion bill is hazardous to women’s health.” Op-Ed. Pittsburgh Post-Gazette. May 27, 2017.

Oral Abstracts

1. **Lance AA.** Predictors of Patient Use of Highly Effective Postpartum Contraception. Oral Presentation: Michigan Section of American College of Obstetricians and Gynecologists Junior Fellow Research Day. Lansing, MI; May 2010.
2. **Lance AA.** Predictors of Patient Use of Highly Effective Postpartum Contraception. Oral Presentation: 25th Annual Sager Lecture and Research Day, University of Michigan Department of Obstetrics and Gynecology, Ann Arbor, MI; May 2010.
3. **Lance AA.** *16 and Pregnant*: A mixed-methods analysis of a reality television show about unplanned teen pregnancy. Oral Presentation: Michigan Section of American College of Obstetricians and Gynecologists Junior Fellow Research Day. Lansing, MI; May 2012.
4. **Lance AA, Wallet SM, Lorber B, Harris LH.** *16 and Pregnant*: A content analysis of a reality television program about unplanned teen pregnancy. Oral Presentation: North American Forum on Family Planning. Denver, CO; October 2012.
5. **Lance AA, Dalton VK, Harris LH.** Can *16 and Pregnant* affect attitudes towards teen pregnancy among young women? A randomized controlled trial. Oral Presentation: Michigan Section of American College of Obstetricians and Gynecologists Junior Fellow Research Day. Lansing, MI; May 2013.
6. **Lance AA, Falls NM, Kamp K.** Reviews of abortion providers on physician-rating websites: A content analysis. National Abortion Federation 2016 Annual Meeting. Austin, TX; April 2016.
7. Rindos NB, **Lance AA, Davis AC, Hamad G.** Management of Perforated IUDs. 45th AAGL Global Congress of Minimally Invasive Gynecology. Orlando, FL; November 2016.

Posters

1. Roose R, **Lance AA, Berglund K.** Future physicians' attitudes on reproductive choice: Implications for addressing provider shortage. Poster Presentation: Medical Students for Choice National Conference. New Orleans, LA; April 2004.
2. **Lance AA, McGuire J, Dalton VK.** Predictors of Patient Use of Highly Effective Post-Partum Contraception. Poster Presentation: Association of Reproductive Health Professionals. Atlanta, GA; September 2010.
3. McGuire J, **Lance AA, Dalton VK.** Barriers to Postpartum IUC Use: Implications for patient contraceptive preferences and satisfaction with health services. Poster Presentation: Association of Reproductive Health Professionals. Atlanta, GA; September 2010.
4. **Lance AA, Dalton VK, Harris LH.** Can *16 and Pregnant* affect attitudes towards teen pregnancy among young women? A randomized controlled trial. Poster Presentation: North American Forum on Family Planning. Seattle, WA; October 2013.
5. Dunn A, Shupe AG, Gostic L, **Lance AA.** Immediate Postpartum Insertion of the Nexplanon Contraceptive Implant. Poster Presentation: UPMC Nurses Week 2016. Allison Park, PA; April 2016.
6. Gowda T, O'Connor T, Chang J, **Lance AA.** Understanding how American politics and policies influence the experiences of physicians who provide reproductive healthcare. Poster Presentation: University of Pittsburgh School of Medicine Dean's Summer Research Program Poster Session. Pittsburgh, PA; September, 2017.

7. Gowda T, O'Connor T, Chang J, **Lance AA**. Understanding how American politics and policies influence the experiences of physicians who provide reproductive healthcare. Poster Presentation: Adagio Women's Health Symposium. Pittsburgh, PA; March, 2018.