

# EXHIBIT 1

**IN THE UNITED STATES DISTRICT COURT  
FOR THE EASTERN DISTRICT OF ARKANSAS  
CENTRAL DIVISION**

FREDERICK W. HOPKINS, M.D., M.P.H. et  
al.,

Plaintiffs,

v.

LARRY JEGLEY, et al.,

Defendants.

CIVIL ACTION

Case No. 4:17-CV-00404-KGB

**DECLARATION OF MARK D. NICHOLS, M.D. IN SUPPORT OF PLAINTIFFS’  
MOTION FOR A SECOND PRELIMINARY INJUNCTION AND/OR TEMPORARY  
RESTRAINING ORDER**

I, Mark D. Nichols, M.D., pursuant to 28 U.S.C. §1746, declare under penalty of perjury that the following is true and correct:

1. I am a physician licensed to practice medicine in the state of Oregon. I have been Board Certified in obstetrics and gynecology by the American Board of Obstetrics and Gynecology since 1985. I am currently the Director Emeritus of the Family Planning Fellowship and a professor at the Oregon Health and Science University in Portland, Oregon. The family planning fellowship trains obstetrician-gynecologists in complicated contraception and abortion care. In my practice, I provide a full range of gynecological and obstetric care, and I have delivered approximately 3,000 babies. I also provide abortion procedures at two outpatient facilities in the Portland area, and at an outpatient facility in Billings, Montana.

2. Throughout my career, I have provided terminations of pregnancy in both in-patient and out-patient settings. I routinely provide abortion care, including dilation and evacuation (“D&E”) procedures. I have years of experience instructing and supervising medical

residents and fellows in the provision of abortion care.

3. I have conducted research and published on a number of topics, including contraception and abortion, and have published more than 20 peer-reviewed papers relating to abortion. I have served on *Contraception's* editorial board and am or have been a peer reviewer for several publications, including the *New England Journal of Medicine* and the *American Journal of Obstetrics & Gynecology*.

4. My current *curriculum vitae*, which more fully sets forth my experience and credentials, is attached as Exhibit A.

5. I submit this Declaration in Support of Plaintiffs' Motion for a Second Preliminary Injunction And/Or Temporary Restraining Order.

6. I previously submitted on June 8, 2017 a Declaration in support of Plaintiffs' Motion for a Preliminary Injunction or in the Alternative a Temporary Restraining Order (Dkt. 4) (the "June 2017 Declaration"). I also submitted a July 19, 2017 Rebuttal Declaration in support of Plaintiffs' Motion for a Preliminary Injunction or in the Alternative a Temporary Restraining Order (Dkt. 32-1) (the "July 2017 Declaration"). I provide this declaration as a supplement to my June 2017 and July 2017 Declarations, and hereby reaffirm and incorporate the statements in my earlier declarations by reference.

7. In rendering expert opinions in this case, I have reviewed the declarations of Dr. Willie Parker and Lori Williams, which describe the provision of abortion care at LRFP.

### **THE SAFETY OF ABORTION CARE**

8. I detailed in my June 2017 Declaration the types of abortion methods and their associated safety records. *See* June 2017 Declaration ¶¶ 7-19. Those opinions are further supported by a 2018 consensus-study report by the National Academies of Sciences,

Engineering, and Medicine, a group of neutral and well-respected scientists, titled “The Safety and Quality of Abortion Care in the United States.”<sup>1</sup> The three academies work together to “provide independent, objective analysis and advice to the nation ... to solve complex problems and inform public policy decisions,” and consensus-study reports like this one “document the evidence-based consensus on the study’s statement of task by an authoring committee of experts.”<sup>2</sup>

9. The National Academies concluded, consistent with the opinions detailed in my June 2017 Declaration, that “[t]he clinical evidence makes clear that legal abortions in the United States—whether by medication, aspiration, D&E, or induction—are safe and effective. Serious complications are rare; in the vast majority of studies, they occur in fewer than 1 percent of abortions.<sup>3</sup> Furthermore, “[d]eaths associated with a legal abortion in the United States is an exceedingly rare event.”<sup>4</sup> In fact, the National Academies found that the abortion-related mortality rate (0.7 per 100,000 procedures) is significantly lower than that of childbirth (8.8), adult tonsillectomies (2.9-6.3), colonoscopies (2.9), plastic surgery (0.8-1.7), and dental procedures (0-1.7).<sup>5</sup>

10. I also explained in my June 2017 Declaration that although abortion is very safe, the risks do increase as pregnancy progresses. *See* June 2017 Declaration ¶ 10. The National Academies are in accord: “the risk of serious complication increases with weeks’ gestation,” and “[t]hus, delaying the abortion increases the risk of harm to the woman.”<sup>6</sup> Consistent with that, the National Academies explained that “[s]tate regulations that require women to make multiple

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<sup>1</sup> National Academy of Sciences, Engineering, and Medicine. 2018. *The safety and quality of abortion care in the United States*. Washington, D.C.: The National Academies Press.

<sup>2</sup> *Id.*

<sup>3</sup> *Id.* at 77.

<sup>4</sup> *Id.* at 74.

<sup>5</sup> *Id.* at 75.

<sup>6</sup> *Id.* at 77-78.

in-person visits and wait multiple days delay the abortion,” and “[i]f the waiting period is required after an in-person counseling appointment, the delay is exacerbated.”<sup>7</sup> Similarly, “[r]estrictions on the types of providers ... also delay care by reducing the availability of care.”<sup>8</sup>

11. I understand from Ms. Williams’ declaration that under current Arkansas law, women seeking abortion care must wait 72 hours after receiving State-mandated counseling in-person and thus make at least two trips to the clinic, with women who undergo a two-day D&E procedure making three trips to the clinic. I also understand from Ms. Williams’ declaration that LRFP is the only clinic in the entire State that provides abortion procedures (as opposed to only medication abortions); many women therefore routinely travel to LRFP from the Fayetteville area of the state, which is an approximately 376-mile round-trip drive from the clinic.<sup>9</sup> The delay-related concerns identified by the National Academies are thus particularly acute in Arkansas, even setting aside the potential for enforcement of H.B. 1032 (the “D&E Ban”). As detailed below and in my prior declarations (*see, e.g.*, June 2017 Declaration ¶ 26), requiring a demise procedure before all D&Es would further exacerbate these issues.

12. Specifically, the D&E Ban would require patients who would otherwise undergo a one-day procedure to instead visit LRFP twice for care, *in addition to* the required visit 72 hours before the procedure for State-mandated counseling. And if LRFP were to stop providing D&Es altogether because of the D&E Ban, I understand from Ms. Williams’ declaration that the next-nearest clinics providing D&E care up to 21.6 weeks measured from the first day of the patient’s last menstrual period (“LMP”) are (i) approximately 640 roundtrip miles (from Little Rock) in Dallas, Texas, and (ii) approximately 700 roundtrip miles (from Little Rock) in Granite City,

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<sup>7</sup> *Id.* at 78.

<sup>8</sup> *Id.*

<sup>9</sup> Google Maps, Fayetteville, Arkansas to Little Rock Family Planning Services (last visited August 31, 2020), <https://tinyurl.com/y4n9jf46>.

Illinois.

**THE BAN ON D&E**

13. As I previously stated, H.B. 1032 bans dilatation and evacuation (“D&E”). *See* June 2017 Declaration ¶ 20. The fact that the Ban does not apply if fetal demise has already occurred does not mitigate the practical impact of the Ban because, as explained below and in my prior declarations, physicians cannot safely guarantee fetal demise in every case.

14. I explained in my July 2017 Declaration that attempting fetal demise prior to D&E is a minority practice. *See* June 2017 Declaration ¶ 21. A recent study confirms that “74% (123/167) of providers who reported performing D&Es at 18 weeks LMP or greater did not routinely induce preoperative fetal demise,” and among the minority who do use demise procedures, the vast majority (70%) do so only for procedures at 20 weeks LMP or greater.<sup>10</sup> Physicians who attempt fetal demise before providing D&Es generally do so to demonstrate compliance with the federal statute commonly referred to as the “Partial Birth Abortion Ban,” which prohibits a rarely used abortion method performed later in pregnancy, an Intact Dilation and Extraction. (generally only after 20-22 weeks LMP).

15. Moreover, the minority of providers who do attempt fetal demise before a D&E do so with the knowledge that they are still able to proceed with the D&E if the demise method fails, or if a demise procedure is contraindicated for a particular patient. As I understand it, the alternative of proceeding with a D&E without demise would not be available to Arkansas providers if the D&E Ban is enforced. Because D&E procedures cannot safely begin unless the providers knows that they will be able to timely complete the procedure (*see* June 2017 Declaration ¶ 29 (explaining that delaying procedure after first digoxin injection and uterus has

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<sup>10</sup> White, et al., Second-Trimester Abortion Practices in the United States, 98 CONTRACEPTION 95, 98 (2018).

been dilated “would increase the risk of uterine infection, extramural deliver, or digoxin toxicity”)), the D&E Ban presents an impossible choice for D&E abortion providers in Arkansas. They can either act in the best interests of their patients, or they can protect themselves from liability—but they can’t do both.

### ***Digoxin***

16. As I previously stated, starting between 18-20 weeks LMP, some physicians attempt to induce fetal demise by injecting a drug called digoxin into the fetus or amniotic fluid either transabdominally or transvaginally. *See* June 2017 Declaration ¶ 21. Digoxin can take up to 24 hours to be effective; for that reason, providers generally attempt the injection at the same time that they begin an overnight-dilation process, if overnight dilation is necessary for a particular patient. For some patients, however, one-day dilation is safe and effective, and providers are increasingly relying on one-day dilation. In cases where the provider does not begin cervical preparation the day before the procedure, administering a digoxin injection would unnecessarily require the patient to make an additional trip to the facility.<sup>11</sup>

17. As I previously stated and reaffirm now, digoxin can be difficult to administer to certain patients, poses risks, and does not always induce fetal demise. Moreover, there is no published information demonstrating the safety of multiple, sequential digoxin injections, and performing multiple injections and waiting even longer for demise is not acceptable medical practice. *See* June 2017 Declaration ¶¶ 22-29.

18. In my June 2017 Declaration, I explained that there are virtually no data addressing the use of digoxin to induce fetal demise before 18 weeks LMP,<sup>12</sup> which is when

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<sup>11</sup> L. Borgatta et al., Relationship of Intraamniotic Digoxin to Fetal Demise, 81 CONTRACEPTION 328 (2010).

<sup>12</sup> I am aware of one 12-year-old retrospective cohort analysis where digoxin was attempted on an unknown number of patients “greater than 17 weeks,” but that study is an outlier in the literature. *See* Molaei, et al. Effectiveness and safety of digoxin to induce fetal demise prior to second-trimester abortion, 77 CONTRACEPTION 223–225 (2008).

most D&E abortions occur. *See* June 2017 Declaration ¶ 26. To my knowledge, this is still the case. The absence of any medical literature addressing the use of digoxin during this timeframe remains very concerning, because physicians should not be experimenting on their patients outside research studies approved by Institutional Review Boards.

19. Since submitting my June and July 2017 Declarations, I have become aware of additional literature relating to digoxin that further supports my conclusions:

a. *K. White, et al.* A recent clinical trial compared routes of digoxin administration before abortion in a randomized controlled trial,<sup>13</sup> which provides the best quality scientific evidence. In this study, the investigators randomized 270 patients at 20-24 weeks LMP to have either an intrafetal or an intraamniotic digoxin injection. Among the patients in the study who were randomized for an intrafetal-digoxin injection, physicians had to resort to intraamniotic injection 17% of the time due to the technical difficulty of successfully injecting the fetus. This difficulty was often due to placental location or fetal positioning, or complicated by other factors, such as patient obesity.<sup>14</sup> The study illustrates that even when a physician attempts an intrafetal digoxin injection (which is more effective in causing fetal demise than intraamniotic injections, *see* June 2017 Declaration ¶ 25), it is not uncommon for the physician to be unable to inject digoxin into the fetus, and to resort to a less effective, intraamniotic injection. These results further suggest that in earlier gestational ages, when intrafetal injection is even more technically difficult due to the size of the fetus (*see* June 2017 Declaration ¶ 25), less effective intraamniotic injections would be used even more frequently.

b. White, et al. also reported significant failure rates. Among the patients who

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<sup>13</sup> K. White et al., Intra-fetal Compared With Intra-amniotic Digoxin Before Dilation and Evacuation: A Randomized Controlled Trial, 128 OBSTETRICS & GYNECOLOGY 1071 (2016).

<sup>14</sup> *Id.*



received intraamniotic digoxin, the injection failed to cause fetal demise 20% of the time. While the failure rate for those who actually received an intrafetal injection was less than 2%, the failure rate for the group randomized to receive intrafetal injection was 5%, because some patients actually received an intraamniotic injection due to the technical administration difficulties described above.<sup>15</sup>

c. *Garg, et al.* Another study documented that while digoxin toxicity is rare, it is an extremely serious risk associated with the injection at certain levels.<sup>16</sup> In the study, the patient was paralyzed and intubated due to respiratory failure after a digoxin injection.<sup>17</sup>

### ***Umbilical Cord Transection***

20. As I previously stated, another potential method for inducing demise is umbilical cord transection, in which the provider (i) ruptures the membranes; (ii) inserts a suction tube or other instrument, such as forceps, into the uterus; and, (iii) if he or she can grasp the cord, divides (“transects”) it with gentle traction, which, according to the sole published study on this practice, will cause demise over the course of approximately 10 minutes. *See* June 2017 Declaration ¶ 32.

21. It is still my understanding that this procedure is not widely practiced and cannot be performed on every patient. In some cases, the fetus blocks access to the cord, rendering it difficult, if not impossible, to grasp the cord before using forceps to remove fetal tissue; even if the provider is ultimately successful, the mechanics of the procedure will increase its duration and risk, such as by prolonging the patient’s bleeding. *See id.* ¶¶ 32-34. Moreover, providers may grasp and separate fetal tissue instead of or in addition to transecting the cord, which is

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<sup>15</sup> *Id.*

<sup>16</sup> Garg et al., Hyperkalemic Paralysis: An Elective Abortion Gone Wrong, 45 J. EMERG. MED. 190, 192 (2013).

<sup>17</sup> *Id.* at 191.

considered “dismemberment” under the challenged law. *See* June 2017 Declaration ¶ 35. Thus, in reaching for the cord in any given patient, the provider would know they may be unable to avoid transecting fetal tissue even if he or she does not intend to do so.

22. This procedure is virtually unstudied. I am aware of a single study reporting on experience using transection for demise in a single setting.<sup>18</sup> This study does not change my previously stated opinion that cord transection is not a feasible means of complying with the D&E Ban, because umbilical-cord transection is not a widely used or studied technique, and would be exceedingly difficult at earlier gestational ages. Even for later procedures, the manipulation of instruments to find and grasp the cord independent from any other fetal tissue gives rise to the potential for injury to the patient, including uterine perforation.

***Medical-Ethics Concerns Associated with the D&E Ban***

23. The D&E Ban would force providers to practice medicine in ways that are not compatible with foundational tenets of medical ethics. The central tenets of medical ethics are (1) respect for patients’ autonomy as individuals, including the obligation to act only with patients’ informed consent; (2) the requirement that providers act in patients’ best interests (“beneficence”); (3) avoiding unnecessary harm to patients (“non-maleficence”); and (4) promoting justice for patients and society more generally.<sup>19</sup>

24. By forcing providers to subject every patient to an additional procedure in an attempt to cause fetal demise—regardless of the fact that in certain cases, the additional procedure may be contraindicated, experimental, expose the patient to increased risk, and/or require the patient to make an otherwise unnecessary and burdensome additional trip to the clinic

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<sup>18</sup> K. Tocce, et. al., *Umbilical Cord Transection to Induce Fetal Demise Prior to Second-Trimester D&E Abortion*, 88 *Contraception* 712-716 (2013).

<sup>19</sup> Tom L. Beauchamp & James F. Childress, *Principles of Biomedical Ethics* (7th ed. 2009).

—or force the patient to seek out-of-state care, enforcement of the D&E Ban would violate these fundamental principles. It would violate the principle of beneficence and interfere with the physician-patient relationship, because it would prevent physicians from exercising individualized clinical judgment in their patients’ best interests. It would violate the principle of autonomy because it undermines informed consent if a patient’s only option for obtaining an abortion is to undergo an experimental procedure for which the risks are unknown. Proceeding with fetal-demise procedures in these circumstances would also violate the ethical principle of non-maleficence, which provides that where an alternative exists, a physician should always provide the less painful, less harmful intervention. And imposing significant, and perhaps even overwhelming, burdens on patients by forcing them to make multiple, medically unnecessary visits to a clinic or to seek out-of-state care does not promote justice for patients or society—it undermines it.

I declare under penalty of perjury that the foregoing is true and correct.

Executed this 10th day of December, 2020.

A handwritten signature in black ink, appearing to read "Mark D. Nichols". The signature is written in a cursive style with a prominent loop at the end.

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Mark D. Nichols, M.D.

# EXHIBIT A

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**CURRICULUM VITAE  
OREGON HEALTH & SCIENCE UNIVERSITY**

|                              |   |             |                         |
|------------------------------|---|-------------|-------------------------|
| <b>NAME</b>                  | <b>Mark D. Nichols, MD</b>                    | <b>DATE</b> | <b>October 27, 2020</b> |
| <b>Academic Rank:</b>        | <b>Professor</b>                              |             |                         |
| <b>Department/Division:</b>  | <b>Obstetrics and Gynecology</b>              |             |                         |
| <b>Professional Address:</b> | <b>3181 SW Sam Jackson Park Road - UHN 50</b> |             |                         |
| <b>E-Mail Address:</b>       | <b>nicholsm@ohsu.edu</b>                      |             |                         |

**I. EDUCATION****Undergraduate and Graduate (Include Year, Degree, and Institution):**

1975 Bachelor of Science in Biological Sciences, University of California, Davis

**Postgraduate (Include Year, Degree, and Institution):**

1979 Doctor of Medicine, University of California, Davis

1979-1983 Internship and Residency  
Department of Obstetrics and Gynecology  
Oregon Health Sciences University

1990 Research Fellow  
Margaret Pyke Center, Middlesex Hospital  
University College, London, England  
(January - July)

July, 1996 Advanced Cardiac Life Support Provider Course  
American Heart Association  
Portland OR (Recertified in biannually, last in April, 2020)

**Certification (Include Board, Number, Date, and Recertification):**

American Board of Obstetrics and Gynecology, December 1985

Elected Fellow American College of Obstetrics and Gynecology, September 1986

**Licenses (Include State, Date, Status, Number, and Renewal Date):**

April 11, 1981 State of Oregon, License No. 12638, biannually renewed,

Sept. 2010 Zambia, Temporary Medical License

March 2020 State of Montana, License No. 85802

**II. PROFESSIONAL EXPERIENCE****Academic (Include Year, Position, and Institution):**

1983 - 1993 Assistant Professor, Oregon Health Sciences University

1993 - 2003 Associate Professor, Oregon Health & Science University

2003 – present Professor, Oregon Health & Science University

**Administrative (Include Year, Position, and Institution):**

1983 - 1995 Assistant Director, Residency Training Program, Oregon Health Sciences University,  
Department of Obstetrics and Gynecology

1988 - 2013 Chief, Division of General Gynecology and Obstetrics, Department of Obstetrics and Gynecology,  
Oregon Health & Science University, Portland OR

2

2001 - 2010 Director, Family Planning Fellowship, Oregon Health & Science University, Portland OR  
 2010 - 2013 Co- Director, Family Planning Fellowship, Oregon Health & Science University, Portland OR  
 2013 – present Director Emeritus, Family Planning Fellowship, Oregon Health & Science University, Portland OR

**Other (Include Year, Position, and Institution):**

1994 Interim Medical Director, Planned Parenthood Columbia Willamette Affiliate  
 1994 - 2011 Medical Director, Planned Parenthood Columbia Willamette Affiliate  
 2011 - 2013 Co-Medical Director, Planned Parenthood Columbia Willamette Affiliate  
 1997 - 2001 Family Planning Consultant, Oregon Health Division

**International Work**

2010 Consultant, Population Services International, Zambia  
 2010 Member, Surgical Team mission to Gimbie Hospital, Ethiopia  
 2012 Consultant, Population Services International, Nigeria  
 2014 Consultant, Population Services International, Tanzania  
 2014 Visiting Professor, Mekelle University, Ethiopia  
 2015 Obstetrician, Medecins Sans Frontieres, South Sudan  
 2015 Consultant, Laos Nutrition Institute, Vientiane, Laos  
 2016 Visiting Professor, Mekelle University, Ethiopia  
 2017 Obstetrician, Medecins Sans Frontieres, South Sudan  
 2018 Consultant, Population Services International, Vietnam

**III. SCHOLARSHIP****Area(s) of Research/Scholarly Interest:**

Family planning with particular interest in surgical and medical abortion, emergency contraception, hormonal contraception, and training fellows, residents and medical students in family planning.

**Grants and Contracts:**

1. R W Johnson Pharmaceutical, "A Double Blind Placebo Controlled Safety and Efficacy Study of Antocin™ for the Prolongation of Gestation," November 1994 - July 1997, \$138,654. PI: Jeff Jensen, MD, Sub PI: Mark Nichols, MD
2. The Population Council, Inc., RU-486, "Evaluation of the Efficacy, Safety and Acceptability of Mifepristone and Misoprostol in Inducing Abortion in Pregnant Women with Amenorrhea of up to 63 Days," November 1994 - December 1995 - \$209,800. PI: Mark Nichols, MD
3. Wyeth-Ayerst Laboratories and University Hospital Consortium, "Norplant Observational Cohort," June 1995 - June 2003, \$275,000. PI: Mark Nichols, MD
4. Wyeth-Ayerst Laboratories, "A Multi center, Open-Label, Randomized, Comparative Study to Evaluate the Effects of Alesse™ and Loestrin FE 1/20® on Clinical and Biomedical Measures of Androgenicity," November 1996 - June 1997, \$16,920. PI: Mark Nichols, MD
5. Parke-Davis, "A Randomized, Double Blind, Active-Controlled, Parallel Group, Multi-center Study Assessing Menstrual Cycle Control and Ovulation Suppression Associated with Vaginal Administration of Five Dose Combinations of Norethindrone Acetate and Ethinyl Estradiol," December 1996 - March 1997, \$86,689. PI: Leon Speroff, MD, Sub PI: Mark Nichols, MD

3

6. Pharmacia & Upjohn, "Cyclo Provera™ Contraceptive Injection: A Comparative Study of Safety, Patient Acceptability and Efficacy to Ortho-Novum® 7/7/7, 28 Tablets," June 1997 - June 1999, \$92,556. PI: Mark Nichols
7. Organon, "An Open Label, Multi center, Randomized, Comparative Safety, Efficacy, Cycle Control, and Quality of Life Study of CTR 25, Alesse™, and Ortho Tri-Cyclen®," April 1998 - July 1999, \$76,310. PI: Kenneth Burry, MD, Sub PI: Mark Nichols, MD
8. John Hopkins University, "Comparing Acceptability of Manual vs Electrical Vacuum Aspiration for First Trimester Induced Abortion," \$37,310. June 2000 – July 2001. PI: Mark Nichols, MD
9. Pharmacia Co. "Phase III Study of DMPA Injection (DMPA-SC) in Women with Endometriosis in the US and Canada" \$42,480. January 2000 - January 2001. PI: Mark Nichols
10. Galen Holdings "A Multi-center, Randomized Controlled Double-Blind Study to Determine Efficacy in the Relief of Hot Flushes in Women Receiving Oral Estradiol" \$23,527. Sept. 2001 – Aug. 2002. PI: Leon Speroff, MD, Sub-PI: Mark Nichols, MD
11. Organon-Thebes "A Multinational, Multi-center, Randomized Controlled Trial, to Assess the Endometrial Histological Profile Following Treatment with Tibolone (ORG OD14) Versus Conjugated Estrogen (CE) Plus Medroxyprogesterone Acetate (MPA) in Postmenopausal Women" \$138,000. PI: Jeffrey Jensen, MD, Sub PI: Mark Nichols, MD
12. Pfizer Care "A Randomized, Double Blind, Multi-Center, 24 Week Study to Assess Cumulative Amenorrhea in Postmenopausal Women Taking Femhrt® and Prempro®". \$37,275. PI: Leon Speroff, MD, Sub-PI: Mark Nichols, MD
13. Buffett Foundation Grant. "Intrauterine Lidocaine Infusion for Pain Management in First Trimester Abortions" \$48,000. June 2002 – June 2003 PI: Alison Edelman, MD Sub PI: Mark Nichols, MD
14. Buffett Foundation Grant. "Continuous Oral Contraceptive Pills: Are Bleeding Patterns Dependent on the Hormone Chosen?" \$51,000. PI: Alison Edelman, MD Sub PI: Mark Nichols, MD

**Publications/Creative Work:**

Peer-reviewed

1. Nichols, M. Diagnosing Breast Disease, *West. J. Med.*, 148:324, 1988.
2. Novy MJ, Haymond J, Nichols M. Shirodkar Cerclage in a Multifactorial Approach to the Patient with Advanced Cervical Changes, *AJOG*, 162:1412-20, 1990.
3. Nichols MD. Review of Vulvar Ulcers, *Postgraduate Obstet. Gynecol.*, 11(No. 7):1991.
4. Nichols M, Robinson GER, Bounds W, Johnson J, Upward E, Newman B, Guillebaud J. Effect of Four Combined Oral Contraceptives on Blood Pressure in the Pill-Free Interval, *Contraception*, 47:367-76, 1993.
5. Thurmond A, Weinstein A, Jones M, Jensen J, Nichols M. Localization of Contraceptive Implant Capsules for Removal, *Radiology*, 193:580-581, 1994.
6. Carp H, Jayaram A, Vadhera R, Nichols M, Morton M. Epidural Anesthesia for Cesarean Delivery and Vaginal



4

Birth After Maternal Fontan Repair: Report of Two Cases, *Anesth Analg*, 78:1190-2, 1994.

7. Nichols M. Curriculum Change in an OB/GYN Residency Program and It's Impact on Pregnancy in Residency, *AJOG*, 170:1658-65, 1994.
8. Winikoff B, Ellertson C, Elul B, Sivin I; for the Mifepristone Clinical Trials Group. Acceptability and Feasibility of Early Pregnancy Termination by Mifepristone-Misoprostol. Results of Large Multi center Trial in the United States, *Arch Fam Med*, 7:360-6, 1998. (Member of the Mifepristone Clinical Trials Group)
9. Spitz IM, Bardin CW, Benton L, Robbins A. Early Pregnancy Termination with Mifepristone and Misoprostol in the United States, *New Eng J Med*, 338:1241-7, 1998. (Cited as Principal Investigator)
10. Jensen JT, Astley SJ, Morgan E, Nichols MD. Outcomes of Suction Curettage and Mifepristone Abortion in the United States, *Contraception*, 59(3):153-9, 1999.
11. Kaunitz AM, Garceau RJ, Cormie MA, Lunelle Study Group (Member). Comparative Safety, Efficacy and Cycle Control of LUNELLE Monthly Contraceptive Injection (Medroxyprogesterone Acetate and Estradiol Cypionate Injectable Suspension) and Ortho-Novum 7/7/7 Oral Contraceptive (Norethindrone/Ethinyl Estradiol Triphasic), *Contraception*, 60:179-187, 1999.
12. Thorneycroft IH, Stanczyk FZ, Bradshaw KD, Ballagh SA, Nichols m, Weber ME. Effect of Low-dose Oral Contraceptives on Androgenic Markers and Acne, *Contraception*, 60:255-62, 1999.
13. Paul M, Schaff E, Nichols M. The Roles of Clinical Assessment, Human Chorionic Gonadotropin Assays, and Ultrasonography in Medical Abortion Practice, *Am J Obstet Gynecol*, 183(2):S34-S43, 2000.
14. Borgatta L, Burnhill M, Haskell S, Nichols M, Leonhardt K. Instituting Medical Abortion Services: Changes in Outcome and Acceptability Related to Provider Experience, *JAMWA*, 55:173-6, 2000.
15. Westhoff C, Dasmahapatra R, Winikoff B, Clarke S, and the Mifepristone Clinical Trials Group. Predictors of analgesia use during supervised medical abortion. *Contraception* 2000;61:225-229 (Member of the Mifepristone Clinical Trials Group)
16. Bird ST, Harvery SM, Nichols M. Comparing the Acceptability of Manual Vacuum Aspiration and Electric Vacuum Aspiration as Methods of Early Abortion. *JAMWA* 56: 124-126;2001
17. Edelman AT, Nichols MD, Jensen J. Comparison of pain and time of procedures with two first-trimester abortion techniques performed by residents and faculty *Am J Obstet Gynecol* 184:1564-7;2001
18. Nichols M, Edelman A. RU 486 for Primary Care Providers. *Primary Care Reports* , 7:89-95;2001
19. Phair N, Jensen J, Nichols M. Paracervical block and elective abortion: The effect of waiting between injection and procedure pain. *Am J. Obstet. Gynecol.* 186:1304-7;2002
20. Nichols M, Morgan E, Jensen J. Comparing bimanual pelvic examination to ultrasound measurements for the assessment of gestational age in the first trimester of pregnancy. *Journal Repro Med* 50:825-8;2002
21. Kwiecien M, Edelman A, Nichols MD, Jensen JT. Bleeding patterns and patient acceptability of standard or continuous dosing regimens of a low dose oral contraceptive: a randomized trial. *Contraception* 67:9-13;2003
22. Edelman A, Jensen J, Nelson E, and Nichols M. Cannula fracture in first trimester abortion: a case report and

5

- survey of National Abortion Federation providers. *Contraception* 67:49-51;2003
23. Bird ST, Harvey SM, Beckman LJ, Nichols MD, Rogers K, and Blumenthal PD. Similarities in Women's Perceptions and Acceptability of Manual Vacuum Aspiration and Electric Vacuum Aspiration for First Trimester Abortion. *Contraception* 67:207-212;2003.
  24. Picardo CM, Nichols MD, Edelman AE, Jensen JT. Attitudes and information sources of the risks and benefits of oral contraception. *JAMWA* 58:112-116;2003
  25. Edelman A.B., Jensen J.T., Lee D.M., Nichols M.D. Successful medical abortion of a pregnancy within a non-communicating rudimentary uterine horn. *AJOG* 189:886-7;2003
  26. Emmons S, Adams KE, Cain JM, Nichols M. The impact of perceived gender bias on obstetric and gynecology skills acquisition by third year medical students. *Academic Medicine*, 79:1-7;2004
  27. Edelman A, Nichols M, Leclair C, Astley S, Shy K, and Jensen JT. Intrauterine Lidocaine Infusion for Pain Management in First-Trimester Abortions *Obstet. Gynecol.* 103:1267-127;2004
  28. Smits AK, Clark EC, Nichols MD, Saultz JW. Factors Influencing Cessation of Maternity Care in Oregon. *Family Medicine* 36:87-92;2004
  29. Rodriguez M, Nichols M Adventitious Bursitis: An Unusual Cause of a Vulvar Mass. Accepted for publication in *Journal of Reproductive Medicine*
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  31. Harvey S M, Nichols MD. Development and Evaluation of the Abortion Attributes Questionnaire. *Journal of Social Issues*. 61:95-107;2005
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  37. Edelman, Alison MD, MPH; Nichols, Mark D. MD; Leclair, Catherine MD; Jensen, Jeffrey T. MD, MPH. Four Percent Intrauterine Lidocaine Infusion for Pain Management in First-Trimester Abortions. *Obstetrics & Gynecology* 107:269-275;2006.

6

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45. Singh RH, Ghanem KG, Burke AE, Nichols MD, Rogers K, Blumenthal PD. Predictors and perception of pain in women undergoing first trimester surgical abortion. *Contraception* 78(2):155-161;2008
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7

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56. Kaneshiro B, **Edelman AB**, Carlson N, **Nichols M**, **Jensen JT**. A randomized controlled trial of subantimicrobial doxycycline to prevent unscheduled bleeding with continuous oral contraceptive pill use. *Contraception*.2012; 85: 351-358.
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58. Kaneshiro B, **Edelman A**, Carlson N, **Nichols M**, **Jensen J**. Unscheduled bleeding with continuous oral contraceptive pills: a comparison of progestin dose. *Contraception accepted 2011, available epub*
59. Bayer LL; Jensen JT; Li H; **Nichols MD**; Bednarek PH. Adolescent experience with intrauterine device insertion and use: a retrospective cohort study. *Contraception*. 86(5):443-51, 2012 Nov.
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62. Krashin JW; Edelman AB; **Nichols MD**; Allen AJ; Caughey AB; Rodriguez MI. Prohibiting consent: what are the costs of denying permanent contraception concurrent with abortion care?. *American Journal of Obstetrics & Gynecology*. 211(1):76.e1-76.e10, 2014 Jul.
63. Bayer LL; Edelman AB; Fu R; Lambert WE; **Nichols MD**; Bednarek PH; Miller K; Jensen JT. An Evaluation of Oral Midazolam for Anxiety and Pain in First-Trimester Surgical Abortion: A Randomized Controlled Trial. *Obstetrics & Gynecology*. 126(1):37-46, 2015 Jul.
64. Micks E, Edelman A, Botha R, Bednarek P, **Nichols M**, Jensen J. The effect of sevoflurane on interventions for blood loss during dilation and evacuation procedures at 18–24 weeks of gestation: a randomized controlled trial. *Contraception* 91 (2015) 488–494
65. Baldwin MK, Edelman AB, Lim JY, **Nichols MD**, Bednarek PH,, Jensen JT. Intrauterine device placement at 3 versus 6 weeks postpartum: a randomized trial. *Contraception* 93 (2016) 356–363
66. Renner R-M, Edelman AB, **Nichols MD**, Jensen JT, Lim JY, Bednarek PH Refining paracervical block techniques for pain control in first trimester surgical abortion: a randomized controlled noninferiority trial. *Contraception* 94 (2016) 461–466

8

67. Patil E, Darney B, Orme-Evans K, Beckley E, Bergander L, **Nichols M**, Bednarek PH. Aspiration Abortion With Immediate Intrauterine Device Insertion: Comparing Outcomes of Advanced Practice Clinicians and Physicians. *Journal of Midwifery & Women's Health*. 61(3):325-330, March 2016
68. Bayer LL, Edelman AB, Fu R, Lambert WE, **Nichols MD**, Bednarek PH, Miller K, Jensen JT. An Evaluation of Oral Midazolam for Anxiety and Pain in First-Trimester Surgical Abortion. A Randomized Controlled Trial. *Obstet Gynecol* 2015;126:37–46

#### Non-peer-reviewed

1. Nichols MD. Formal Discussant. An Obstetric and Gynecologic Clerkship's Influence on a Medical Community, *Am J Obstet Gynecol*, 176:1363-8, 1997.
2. Nichols, MD. Formal Discussant. Real-time Ultrasonographically Guided Removal of Nonpalpable and Intramuscular Norplant Capsules, *Am J Obstet Gynecol*, 178:1185-93, 1998.
3. Nichols, MD. Formal Discussant. Cytologic evaluation of non-bloody breast cyst fluid. *Am J Obstet Gynecol*, *Am J Obstet Gynecol*, 182:1300-5, 2000
4. Nichols, MD. Letter to the Editor, "Fewer Abortions would be needed". *Oregonian*, June 15, 2001
5. Nichols, MD. Methotrexate for management of a pregnancy in a non-communicating uterine horn. Letter to the editor. *Journal Repro Med* 50:878-9;2002
6. Nichols, MD. Clinical Trials Report, *Current Women's Health Reports*, 2:407-408;2002
7. Reeves MF; Blumenthal PD; Jones RK; **Nichols MD**; Saporta VA. New research at the 2014 National Abortion Federation Annual Meeting: continuously improving abortion care. *Contraception*. 89(5):339-40, 2014 May.
8. Reeves MF; Blumenthal PD; Jones RK; **Nichols MD**; Saporta VA. New research at the 2015 National Abortion Federation Annual Meeting: putting research into practice. *Contraception*. 91(5):359, 2015 May.
9. Darney P; Creinin MD; **Nichols M**; Gilliam M; Westhoff CL; Tenth anniversary of the Society for Family Planning. *Contraception*. 92(4):279-81, 2015 Oct.

#### Publications (submitted)

#### Chapters

1. Nichols M. "Faculty Ownership". In: *Teaching and Evaluating Clinical Skills*, 1995, APGO.
2. Nichols M, Halvorson-Boyd G, Goldstein R, Gevirtz D and Healow D. "Pain Management" in *Management of Unintended and Abnormal Pregnancy*. Wiley –Blackwell, 2009

#### Abstracts

9

1. Thulin PC, Carter JH, Nichols MD, Kurth M, Nutt JG. Menstrual-cycle Related Changes in Parkinson's Disease, *Neurology*, 46:A376, 1996.
2. Fossum GT, Thomas M, Wise R, Nichols M, Sinofsky F, Pasquale S. Preliminary Evaluation of a New Instrument Design for the Removal of Norplant Capsules.
3. Bird ST, Harvey SM, Nichols MD. Women's Acceptability of Manual Vacuum Aspiration (MVA: An Exploratory Study of Abortion Patients in Portland, Oregon.
4. Romm J, Nichols M. The Men's Group: Discussion Group for Male OB/GYN Residents, International Society of Psychosomatic Obstetrics and Gynecology, June 1998, Washington DC.
5. Stanczyk FZ, Bradshaw KD, Ballagh BA, Nichols MD, Thorneycroft, LH. Effect of Oral Contraceptive Progestins on Production of Ovarian, Adrenal and Peripheral Androgens, European Society of Contraception, June 1998, Prague.
6. Sheryl Thornbird PhD, Marie Harvey DrPH, Linda Beckman, PhD, Mark Nichols, MD, Paul Blumenthal. MD. Men's involvement in abortion: Perceptions of women having abortions in three U.S. cities Population, Family Planning, and Reproductive Health section of the 130th Annual APHA Meeting, Philadelphia, PA November, 2002.
7. Singh RH, Nichols MD, Rogers K, Ghanem KG, & Blumenthal Pd. Subjective predictors of pain in women undergoing electrical vacuum aspiration (eva) versus manual vacuum aspiration (mva) for first trimester abortion. Assoc. of Reproductive Health Professionals Annual meeting, Tampa FL, Sept. 2005
8. Edelman A, Nichols M, Leclair C, & Jensen JT. 4% intrauterine lidocaine infusion for pain management in first trimester abortions. Assoc. of Reproductive Health Professionals Annual meeting, Tampa FL, Sept. 2005.
9. Drath E, Nichols M, & Edelman A. Ultrasound, Twin Gestation, and Abortion Decision Making: Patients and Providers. NASPOG Annual Scientific Meeting, February, 2006, Hawaii
10. Bednarek P, Nichols M, Edelman A, Jensen JT, Truitt S, Creinin MD. Effect of observed start compared with Sunday start on contraceptive continuation after medical abortion. *Obstet Gynecol* 2007, supp 57S.

#### Audio Presentations

1. "RU-486," Audio-Digest Obstetrics and Gynecology, Vol. 41, No. 8, April 19, 1994
2. "Family Planning/STD Case Consultation," Center for Health Training, June 7, 1999
3. "Legal and Medical Implications of the Federal Abortion Ban" Podcast from Lewis & Clark Law School, Portland, OR Jan. 2006

#### Posters

1. Nichols MD, Kirk EP. Resident Retreat: A Stress Reducer and Morale Booster, CREOG and APGO Meeting, March 1991, Orlando, FL
2. Thomas L, Nichols MD. Ultrasound Evaluation of the Post Mifepristone Abortion Patient, Pacific Coast Obstetrical and Gynecological Society, Sunriver OR, 1996

10

3. Edelman A, Nichols MD. Comparison of Resident and Faculty Performed Abortions using Two Different Abortion Techniques, District VIII Meeting, American College of Obstetricians and Gynecologists, Anchorage AK, August 2000
4. Edelman A, Nichols MD. Comparison of Resident and Faculty Performed Abortions using Two Different Abortion Techniques, District VIII Meeting, American College of Obstetricians and Gynecologists, Anchorage AK, August 2000.
5. Phair N, Jensen J, Nichols M. Paracervical block and elective abortion: The effect of waiting between injection and procedure pain, PCOGS Annual meeting, Ashland OR, October, 2001. Received award as best poster of the meeting.
6. Lew R, Edelman A, Cwiak C, Jensen J, Nichols M. Acceptability of Contraceptive-Induced Amenorrhea in American Women, ACOG Annual Clinical Meeting, San Francisco, May 2005.
7. Koontz, Edelman A, Jensen J, Nichols M. Continuous Oral Contraceptives: Are Bleeding Patterns Dependent on the Hormones Given? ACOG Annual Clinical Meeting, San Francisco, May 2005.
8. Paula Bednarek, MD, Mark Nichols, MD, Alison Edelman, MD, MPH, Jeffrey T. Jensen, MD, MPH, Sarah Truitt, MD, Mitchell D. Creinin, MD. Effect of "Observed Start" versus "Sunday Start" on hormonal contraception continuation after medical abortion. ACOG Annual Clinical Meeting, San Diego, May 2007

Invited Lectures, Conference Presentations or Professorships (since promotion to Associate Professor):

Local (Selected)

1. "IUD Review," Grand Rounds, Kaiser Sunnyside Hospital, Department of Obstetrics and Gynecology, January 1993.
2. "Breast Disease for the Gynecologist," Langley Memorial Lectures, Portland OR, February 1993.
3. "Second Trimester Abortion Technique," Grand Rounds, Bess Kaiser Hospital, Obstetrics and Gynecology Department, April 1993.
4. "RU-486," City Club of Portland, July 1994.
5. "Circumcision Review," Grand Rounds, OHSU, Department of Obstetrics and Gynecology, June 1995.
6. "Abortion" and "Breast Disease," OHSU, Nursing School Advanced Gynecology Course, October 1995.
7. "Emergency Management of Vaginal Bleeding," St. Vincent Hospital, January 1996.
8. "Trauma in Pregnancy," OHSU, Emergency Medicine Residents, September 1996.
9. "Contraception Review," OHSU, Internal Medicine Residents, January 1997.
10. "Management of Miscarriages," OHSU, Student Health Service, January 1997.
11. "Contraception and World Population," Portland State University Population Control Class, January 1997.
12. "Emergency contraception: Coca-Cola to Mifepristone," Grand Rounds, OHSU, Department of Obstetrics and

11

Gynecology, April 1997.

13. "First Trimester Bleeding," OHSU, Emergency Medicine Residents, June 1997.
14. "Approach to Dysfunctional Uterine Bleeding," Grand Rounds, OHSU, Internal Medicine Department, March 1998.
15. "Medical Abortion Review," Kaiser Grand Rounds, Clackamas OR, December 1998.
16. "Update on Emergency Contraception and Medical Abortion," Grand Rounds, OHSU, Department of Obstetrics and Gynecology, January 1999.
17. "Emergency Contraception," OHSU, School of Nursing, Graduate Program, January 1999.
18. "Emergency Contraception," Planned Parenthood, Columbia/Willamette Affiliate, Portland OR, March 1999.
19. "Emergency Contraception," Mt. Hood Medical Center, OB/GYN and Pediatrics Department Meeting, June 1999.
20. "Abnormal Uterine Bleeding," Grand Rounds, OHSU, Department of Obstetrics and Gynecology, July 1999.
21. "Medical Abortion Review," St. Vincent Medical Center Ob/Gyn Dept., Portland OR, October 1999.
22. Norplant/IUD Training, Clinicians from Lane, Linn, Josephine, Tillamook, Marion, Coos, Polk, Lincoln, Malheur, Douglas, Washington, Multnomah and Klamath Counties and Planned Parenthood, Portland OR, November 1999.
23. "Review of Emergency Contraception," Tuality Hospital, Hillsboro OR, March 2000.
24. "Wedge Issues of Choice," NARAL Leadership Training, Unitarian Church, Portland OR, April 2000.
25. "Emergency Contraception" Emanuel Hospital, Ob/Gyn Department, June 2000
26. "Emergency Contraception" Center for Women's Health, OHSU, September 2000
27. "Mifepristone: FDA Approval and Review," OHSU, Grand Rounds, Department of Obstetrics and Gynecology, October 2000.
28. "RU486," OB/GYN Department Educational Conference, Providence St. Vincent Medical Center, Portland OR, March 2001.
29. "Review of Emergency Contraception". Pediatric Department, Emanuel Hospital, Portland, OR, February, 2002
30. "Contraceptive Update: What's New?" OHSU, Grand Rounds, Department of Obstetrics and Gynecology, March 2002.
31. "Women seeking abortion care. Are they discriminated against?" Reed College VOX course, Portland, OR, March, 2002.
32. "Update in Contraception" Lorenzen Women's Physician Forum, Portland, OR, November 2002



12

33. "Update in Contraception" Grand Rounds, Good Samaritan Hospital, Portland, OR, February 2003
34. "Becoming an abortion provider" Reed Vox seminar, Reed College, Portland, OR, April, 2003
35. "Planned Parenthood Update" SW Washington Medical Center, Ob/Gyn Department Grand Rounds, Vancouver, WA, June, 2003
36. "Update on Contraception", Student Health Center, OHSU, November 2003
37. "IUD Review", Legacy Hospital CNM Department, Portland, OR February 2004
38. "Oral Contraceptive Update", St. Vincent Medical Center, Resident teaching conference, Portland, OR, March 2004
39. "Essure device for female sterilization", SW Washington Med. Center, Ob/Gyn dept. Grand Rounds, Vancouver, WA, Jan. 2005
40. "Transcervical Female Sterilization", East Portland Rotary Club, Portland, OR Jan. 2005
41. "Legal and Medical Implications of the Federal Abortion Ban" Lewis & Clark Law School, Portland, OR Jan. 2006
42. "Pain Management of Gynecologic Procedures" Grand Rounds, OHSU Ob/Gyn department, Portland, OR Oct. 2008
43. "Management of Breech Presentation" Grand Rounds, OHSU Ob/Gyn department, Portland, OR Sept 2009
44. "Alternatives to Hysterectomy" Brown Bag Lecture, OHSU, Portland, OR October 2009
45. "Pain management for gynecologic procedures", Grand Rounds Dept of Anesthesiology, OHSU, September 2010.

#### Regional

1. "Norplant Review and Insertion Training," Washington Academy of Family Practice Review Course, Spokane WA, April 1993.
2. "Gynecology for the Primary Care Provider: Preventive Health Care," Primary Care Conference, Sunriver OR, June 1993.
3. "Contraception for Patients with Chronic Health Problems," Nurse Practitioners of Oregon, September 1995.
4. "RU-486 Review," Ashbury Memorial Lectureship, Guest Speaker, Corvallis OR, November 1995.
5. "Common Gynecologic Problems and the Internist," 3rd Annual Internal Medicine Review Course, April 1996.
6. "Contraceptive Update," Family Planning Conference, Eugene OR, September 1996.
7. "Gynecological Procedures," 28th Annual Family Practice Review, Portland OR, February 1997.
8. "Contraception," 28th Annual Family Practice Review, Portland OR, February 1997.

13

9. "Family Planning," Reproductive Health Conference 1997, Portland OR, March 1997.
10. "Elective Abortions: RU-486 and Methotrexate," Reproductive Health Conference, Portland OR, March 1997.
11. "Medical Abortion," 5th Annual Oregon Section ACOG Update in Obstetrics, Gynecology, and Primary Care, Bend OR, April 1997.
12. "Hormonal Contraception for Females: Recommendations and Guidelines," Endocrine Conference, Ashland OR, August 1997.
13. "Emergency Contraception: From Coca-Cola to Mifepristone," 21st Annual Pacific NW Review of OB-GYN, Portland OR, October 1997.
14. "Office Gynecology," 29th Annual Family Practice Review, Portland OR, February 1998.
15. "IUD Insertion Technique," Roseburg OR, March 1998.
16. "Office Gynecology," 5th Annual Internal Medicine Review, Portland, April 1998.
17. "Contraceptive Overview," Planned Parenthood, Eugene OR, November 1998.
18. "Emergency Contraception," 30th Annual Family Practice Review, Portland OR, February 1999.
19. "Gynecologic Procedures," 30th Annual Family Practice Review, Portland OR, February 1999.
20. "Emergency Contraception," Oregon Section, ACOG 6th Annual Meeting, Sunriver OR, April 1999.
21. "Emergency Contraception: New Innovations," Center for Health Training, 28th Annual Clinical Update, Portland OR, April 1999.
22. "Emergency Contraception," Sacred Heart Medical Center, 1st Annual Primary Care Conference, Eugene OR, May 1999.
23. "Update in Contraception," Sacred Heart Medical Center, 1st Annual Primary Care Conference, Eugene OR, May 1999.
24. "Laparoscopic Tubal Ligation Techniques," 23rd Annual Pacific NW Review of OB-GYN, Portland OR, October 1999.
25. "Impact of Religious Hospital Mergers on Training Residents in Abortion Care." Toward Rational Living Conference, Portland OR, November 1999.
26. "Gynecology: Office Procedures," 31st Annual Family Practice Review, Portland, February 2000.
27. "RU486 in OB/GYN," Women's Health Care Symposium, Eugene OR, September 2000.
28. "Savvy About Sex," Martha Browning Bryant Memorial Lecture, Oregon Chapter of The American College of Nurse-Midwives, October 2000.
29. "Emergency Contraception," Institute of Women's Health and Integrative Medicine, October 2000.

14

30. "Update on Pap Smears" Family Practice OB Ski and Women's Health Conference, Bend OR, January 2001.
31. "Gynecological Skills Workshop", Family Practice OB Ski and Women's Health Conference, Bend OR, January 2001.
32. "Gynecology: Office Procedures," 32nd Annual Family Practice Review, OHSU, February 2001.
33. "Dysfunctional Uterine Bleeding," 8th Annual Internal Medicine Review, April 2001.
34. "Sonohysterography or SIS (Saline Infusion Sonography)," 8th Annual Oregon ACOG Update in Obstetrics and Gynecology, Bend OR, April 2001.
35. "Where are we with RU-486" Oregon Nurses Association/Nurse Practitioners of Oregon, 24th Annual Meeting, Eugene, OR Sept. 2001
36. "Pharmacology of Oral Contraceptives", OHSU with 4 remote sites, Nurse Practitioner curriculum, Oct. 2001
37. "Laparoscopic Supracervical Hysterectomy: Making the Recovery Even Faster". 25th Annual Pacific Northwest Review Conference, Portland OR, November 2001
38. "Review of Emergency Contraception", Oregon Pharmacology Association, Nov. 2001
39. "Intrauterine contraception" Nurse Practitioner Training Course, Portland, OR, Jan. 2002
40. "What's new in contraception?" Montana section ACOG Annual Meeting, Big Sky, MT, Feb. 2002
41. "RU-486 in Ob/Gyn", Montana section ACOG Annual Meeting, Big Sky, MT, Feb. 2002
42. "Review of Emergency Contraception", Montana section ACOG Annual Meeting, Big Sky, MT, Feb. 2002
43. "What's New in Contraception", 33rd Annual Family Practice Review, Portland, February, 2002
44. "Gynecologic Procedures" 33rd Annual Family Practice Review, Portland, February, 2002
45. "Update on Contraception" Good Samaritan Hospital, Corvallis, OR, March 2002
46. "RU-486 in Ob/Gyn" Good Samaritan Hospital, Corvallis, OR, May, 2002
47. "Labor Inductions" OAFP Women's Health Conference, Bend, OR, Jan. 2003
48. "The new IUD" OAFP Women's Health Conference, Bend, OR, Jan. 2003
49. "Update in Contraception" Reproductive Health Conference, Portland, OR, March 2003
50. "IUD training" Reproductive Health Conference, Portland, OR, March 2003
51. "Essure Device for Tubal Sterilization" 10th Annual Oregon ACOG Update in Obstetrics and Gynecology, Bend OR, April 2003.
52. "Update on Contraception for the New Millenium" Women's Health Care Symposium, Eugene, OR, May 2003

15

53. "Trans-Cervical Sterilization: A review of the Essure device" 27th Annual Pacific NW Review of OB-GYN, Portland OR, October 2003.
54. "Medical Abortion Review" National Abortion Federation Course, Portland, OR, October, 2003
55. "What's New in Contraception", 35th Annual Family Practice Review, Portland, February, 2004
56. "Gynecologic Procedures" 35th Annual Family Practice Review, Portland, February, 2004
57. "IUD Training" Center for Health Training, Portland, OR October, 2004
58. "Why Women Wait". Western Regional meeting of Medical Students for Choice, Portland, October, 2004
59. "MVA Training Sessions" Western Regional meeting of Medical Students for Choice, Portland, October, 2004
60. "Ultrasound in Medical Abortion" Sponsored by NAF , Portland, OR, November, 2004
61. "Gynecologic Procedures" 36th Annual Family Practice Review, Portland, February, 2005
62. "Contraceptive Update" 36th Annual Family Practice Review, Portland, February, 2005
63. "Alternatives to Hysterectomy" 36th Annual Family Practice Review, Portland, February, 2005
64. "Looking in the Future: New Contraceptive Methods" Reproductive Health Conference, Portland, OR, March 2005
65. "Shortage of Abortion Providers in the U.S." Students for Choice conference, Willamette University, Jan. 2006
66. "Gynecology Procedures" 37<sup>th</sup> Annual Family Practice Review, Portland, February, 2006
67. "Review of Medical Abortion" Pacific Northwest Review Course, Portland, OR October, 2006
68. "Implanon training" Sponsored by Implanon, Portland, OR March, 2007
69. "Review of Contraceptive Implants" Reproductive Health 2007, Portland, OR March 2007
70. "Management of Early Pregnancy Failure", Nurse Practitioners of Oregon annual meeting, Hood River, OR Oct. 2008
71. "Medical Abortion", Nurse Practitioners of Oregon annual meeting, Hood River, OR Oct. 2008
72. " Addressing the abortion provider shortage" Western regional meeting, Medical Students for Choice, Portland, OR, April 2009

#### National

1. "IUD Review," Grand Rounds, University of Maryland, Obstetrics and Gynecology Department, February 1993.
2. "IUD Review," Grand Rounds, Pennsylvania Hospital, Obstetrics and Gynecology Department, May 1993.

16

3. "IUD Review," Grand Rounds, Maricopa County, Obstetrics and Gynecology Department, June 1993.
4. "OB/GYN Review Course," Loma Linda University, Guest Faculty, Yosemite CA, April 1995.
5. "Incorporating Abortion Training Into the Ob/Gyn Residency Curriculum," National Abortion Federation Conference, Baltimore MD, November 1998
6. "Second Trimester Abortion Technique" and "Abortion Providers Panel: Incorporating Abortion Care Into Your Practice," Medical Students for Choice, 6th Annual Meeting, Atlanta, GA, April 1999.
7. "Fine Needle Aspiration for the Evaluation of Breast Masses," National Medical Committee Planned Parenthood Federation of America, Dallas TX, Sept. 1999.
8. "Parenteral Estrogen and Progestin Contraceptive: a Review," Risk Management Seminar, National Abortion Federation, Denver CO, Sept. 1999.
9. "Faculty Models" National Abortion Federation Resident Training Workshop, New Orleans LA, February 2000.
10. "Building Support in Your Department & Negotiating the Contract: From a Residency Program Perspective," National Abortion Federation Resident Training Workshop, New Orleans LA, February 2000.
11. "Background/Historical Context," "Medications: Mifepristone, Misoprostol and Methotrexate," "Protocol," "Patient Management," National Abortion Federation & Planned Parenthood Federation of America "Mifepristone 2000," Pleasant Hill CA, March 2000.
12. "Required Training in Abortion" Training in Abortion: The Next Level, Washington DC, October 2000
13. "Family Planning Fellowships and Planned Parenthood", PPFA National Medical Committee, Washington DC, December, 2001
14. "Evidence Based Regimen for mifepristone abortions" National Abortion Federation Annual Meeting, San Jose, CA, April 2002
15. "Faculty Models" National Abortion Federation Residency Training Workshop, Phoenix, AZ, December 2002
16. "The Who-What-When-How of Training" National Abortion Federation Residency Training Workshop, Phoenix, AZ, December 2002
17. "Gender Discrimination in Obstetrics and Gynecology: the Impact on recruiting men and retaining women" APGO Faculty Development Seminar, Kapalua, Maui, January 2003
18. "Clinical Issues in First Trimester Abortion", Medical Students for Choice, Annual Meeting, Seattle, WA, April 2003
19. "Clinical Issues in Second Trimester Abortion", Medical Students for Choice, Annual Meeting, Seattle, WA, April 2003
20. "Medical Student and Resident Education in Abortion" National Abortion Federation, Annual Meeting, Seattle, WA, April 2003
21. "The Who-What-When-How of Training", National Abortion Federation Residency Training Workshop,

17

Chicago, March, 2004

22. "Alternatives to Hysterectomy" Medica Symposia Conference, Maui, Hawaii, December, 2004
23. "Contraceptive Options for Women over 40" Medica Symposia Conference, Maui, Hawaii, December, 2004
24. "Gynecologic Procedures" Medica Symposia Conference, Maui, Hawaii, December, 2004
25. "Workup and Management of Postmenopausal Bleeding" Medica Symposia Conference, Maui, Hawaii, December, 2004
26. "Transcervical Female Sterilization", PPFA Medical Directors Conference, Steamboat Springs, CO, March, 2005
27. "Multi-site Studies", Family Planning Fellowship Directors Meeting, San Francisco, CA, May, 2005
28. "Infections in Medical Abortion" Annual Meeting of the National Abortion Federation, San Francisco, CA April, 2006
29. "Technique of IUD insertion to minimize perforation risk" PPFA teleconference, November 2006
30. "Requiring abortion training in Ob/Gyn residency: Does it effect recruitment?" 34<sup>th</sup> Annual national meeting of the North American Society for Psychosocial Obstetrics and Gynecology, Portland, OR February 2007
31. "First Trimester Abortion Technique", Medical Students For Choice National Meeting, Tampa, FL, March 2007
32. "Review of Essure Procedures", ASRM, Washington DC, October 2007
33. "Abortion training in Ob/Gyn Residencies" Medical Students for Choice National Meeting, Minneapolis, MN, April 2008
34. "OHSU Feticide Policy" Family Planning Fellowship Annual meeting, New Orleans, LA, May 2008
35. "Balancing Life and Work Panel" ARHP annual meeting, Washington DC, Sept 2008
36. "Update on pain management in surgical abortion". National Abortion Federation annual meeting, Portland, OR, April, 2009.
37. "Management of the non-lethal anomaly". National Abortion Federation annual meeting, Portland, OR, April, 2009.
38. "Pain Management of Gynecologic Procedures" Grand Rounds, Northwestern University, Ob/Gyn department, Chicago, IL May 2009
39. "Essure Review", American Society of Reproductive Medicine annual meeting, Atlanta GA, October 2009
40. "Issues in second trimester abortion", MSFC annual meeting, Salt Lake City, UT, November 2009
41. "Practitioners Perspective Panel", MSFC annual meeting, Salt Lake City, UT, November 2009
42. "Abortion Panel", MEDC meeting, Salt Lake City, UT, March 2010

18

43. "IUD Review", Grand Rounds, University of Utah Department Ob/Gyn, Salt Lake City, UT, March 2010
44. "Hysteroscopic Sterilization Review" MEDC annual meeting, Las Vegas, NV, March 2011
45. "Patient Safety in Abortion Care", MEDC annual meeting, Las Vegas, NV, March 2011
46. "Pain management in gyn procedures" Grand Rounds, Dept Ob/Gyn, Wayne State University, Detroit MI, March 2011
47. "Values clarification workshop" Residents, Dept Ob/Gyn, Wayne State University, Detroit MI, March 2011

#### International

1. "Background/Historical Context," "Medications: Mifepristone, Misoprostol and Methotrexate," "Protocol," "Patient Management," National Abortion Federation & Planned Parenthood Federation of America "Mifepristone 2000," Vancouver BC. September 2000
2. "IUD Review", Grand Rounds, Ob/Gyn Department, University of Zambia, Lusaka, Zambia, September 2010
3. "Contraception Review" Hospital Staff Meeting, Gimbie Adventist Hospital, Gimbie Ethiopia, November 2010
4. "Post abortion IUCDs to reduce subsequent pregnancies" International Family Planning Conference, November 2011, Dakar, Senegal
5. "Update on USA contraception research" Shanghai Institute of Planned Parenthood Research, October 2013

#### **IV. SERVICE**

##### **Membership in Professional Societies:**

Oregon Medical Association, 1983 - present

American College of Obstetrics and Gynecology, Oregon Section, 1983-present

Multnomah County Medical Society, 1983 - present

Association of Reproductive Health Professionals, 1983 - present

Association of Professors in Gynecology and Obstetrics, 1983 - 1993

American Fertility Society, Elected 1984

National Abortion Federation 1996 - present

National Abortion Rights Action League, 1987 - present

Pacific Northwest Obstetrical and Gynecological Society, 1989 - present

19

Pacific Coast Obstetrical and Gynecological Society, 1993 – present

Society of Family Planning, 2005 - present

**Appointed or Elected Positions in Professional Societies:**

American College of Obstetrics and Gynecology, Oregon Section

Advisory Committee Member, 1984-1987

Program Coordinator, 1984-1987

Vice Chair, 1997-2000

Chair, 2000-2003

Program Chair, Annual Meeting, April 1998

Program Chair, Annual Meeting, April 1999

Program Chair, Annual Meeting, April 2000

Program Chair, Annual Meeting, April 2001

Program Chair, Annual Meeting, April 2002

Program Chair, Annual Meeting, April 2003

American College of Obstetrics and Gynecology, District VIII

Advisory Council member, 1997-2003

Junior Fellow Advisor, 2000-2003

Association of Reproductive Health Professionals

Program Planning Committee, 1998

Co-Chair, Planning Committee, 2009

National Abortion Federation

Co-Chair, Risk Management Seminar, 1999

Co-Chair of Scientific Session at NAF National Meeting

Atlanta GA, April 1998

Vancouver BC, April 1999

Pittsburgh PA, April 2000

St. Louis MO, April 2001

San Jose, CA, April 2002

Seattle, WA, April 2003

New Orleans, LA, April 2004

Montreal, Canada, April 2005

San Francisco, CA, April 2006

Boston, MA, April 2007

Minneapolis, MN, April 2008

Portland, OR, April 2009

Philadelphia, PA, April 2010

Chicago, IL, April 2011

Vancouver BC, April 2012

Pacific Coast Obstetrical and Gynecological Society

Program Chair, 1998 meeting

Member program committee, 1997-2003

Program Chair, 2001 meeting

Society for Family Planning



20

President Elect, 2007-2009  
Chair Scientific Committee, 2007-2009  
President, 2009-2011  
Immediate Past President, 2011-2013

**Editorial and Ad Hoc Review Activities:**

Member, Editorial Board

*Contraception* 2014 - 2018

Journal Reviewer

*American Journal of Obstetrics and Gynecology*  
*Obstetrics and Gynecology*  
*Journal of American Women's Association (JAMWA)*  
*British Journal of Obstetrics and Gynecology*  
*New England Journal of Medicine*  
*International Journal of Obstetrics and Gynecology*  
*Contraception*

Section Editor

*Current Women's Health Reports*, General Gynecologic Issues Section, 2001, 2002, and 2003

**Committees:**

International/National

Norplant Training in the Community, Panel Member, Dallas, Texas, April 1996

Planned Parenthood Federation of America  
National Medical Committee, April 1996 - 2002  
Primary Care Subcommittee, April 1996 - 2002  
Nominating Committee, 1997, 1999  
Chair, Nominating Committee, 2001  
National Board of Directors, 2017-2023

National Abortion Federation  
Planning Committee, Risk Management Seminar, Denver CO, September 1999

American College of Obstetrics and Gynecology,  
Oregon Section  
Advisory Committee Member, 1984-1987

District VIII  
Advisory Committee 2000-2003  
Junior Fellow Advisor 2000-2003

Association of Reproductive Health Professionals  
Program Planning Committee, 1998, 2008

21

Regional

Pacific Coast Obstetrical and Gynecological Society, 1993 - present  
Member program committee, 1997-2003

Institutional

OHSU School of Medicine

Grievance Committee, September 1985 - June 1989  
Joint Conference Committee on Graduate Medical Education, January 1987 - 1994  
Student Health Advisory Committee, January 1988 - June 1994  
Curriculum Review Task Force, Transition to Residency Course, February 1991 - 1993  
Faculty Council, August 1991 - June 1997  
Faculty Senate, June 1994- June 1996  
Search Committee for Director for Maternal Fetal Medicine Division, 1998  
Promotion and Tenure, October 1996 - 2002  
Women's Health Student Interest Group, Faculty Advisor, 1998 - present  
Medical Students for Choice, OHSU Chapter, Faculty Advisor, 1998 - present  
School of Medicine Awards Committee, 2002-2007  
Faculty Practice Plan Board of Directors, elected member, 2009-2012

Departmental

Executive Committee 1988-present  
Promotion and Tenure Committee 1995-present  
Clinical Care Committee 1999-present  
Education Committee 1999-present  
Combined Education Committee 1983-1995

Hospital

Medical Records Committee, September 1983 - 1987  
Ambulatory Care Committee, July 1987 - July 1990  
Operating Room Committee, 1988 - 1992  
University Medical Group  
Finance Committee, April 1993 - April 1997  
Clinical Practice Committee, May 1994 - April 1997  
Board of Directors, Specialty Care Representative, March 1998 - 2001  
Compensation Committee, 1998  
Board of Directors, 1998 - 2001  
IPCO Advisory Board, 1995 - 1998  
University Hospital North, Ambulatory Surgery Move Task Force, March 1997 - June 1998  
Surgical Services Committee, 1998 - present  
Ambulatory Surgery Management Group, 2000 - 2003.

**Local, State, National Recognition for Clinical Excellence:**

Selected as one of the "Top-Rated Physicians in America", in Guide to Top Doctors, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012  
Named as one of the "Best Doctors for Women-coast to coast", *Ladies Home Journal*, April, 2002  
Selected as one of "Our Best Doctors" by Portland physicians, *Portland Monthly*: 2004, 2005, 2006, 2007, 2008,

22

2009, 2010, 2011, 2013

"Pioneer and Leader Award", for introduction of Essure in PPFA, September 2004

**Clinical Care Awards:**

Rose Awards: numerous

**Community Service:**

Birth Home, Board of Directors, Portland OR, 1982 - 1987

Planned Parenthood Columbia Willamette

Medical Committee, April 1984 - present

Chairman Medical Committee, June 1991 - 1994

Board of Directors, July 1991 – 1994 and June 2016 to present

Portland Feminist Women's Health Center, Medical Advisor, 1983 - 1987

Oregon State Health Division

Out of Hospital Birth Task Force, September 1985 - November 1987

Direct Entry Midwifery, Board of Directors, 1993 - 1999

Family Planning Consultant, April 1997 - present

Teen Pregnancy Prevention Task Group Member, December 1996 - present

Region X Chlamydia Project Member, February 1997 - present

Population Services International

Advisory Committee on Emergency Contraception Promotion Project 2000-2001

**V. TEACHING (OHSU Educator's Portfolio):**

**Overview of your Role as an Educator:**

Almost all of my clinical activities occur with a learner present. I see patients at the Center for Women's Health with third year medical students, provide care at Planned Parenthood with Ob/Gyn residents and Family Planning fellows, perform surgery and deliver babies with medical students and residents. My philosophy of teaching is to allow learners to perform to their abilities and to encourage assumption of increasing responsibility as skills and knowledge grow. I believe that learning occurs best when individuals are given autonomy (commensurate with their training) to provide medical care. I attempt to foster this type of learning by providing feedback during and after the learners care for patients. In surgery, that occurs while directing every action of the learners. In the clinic setting, the learners have more independence to develop their skills without step by step direction.

**Scholarship of Teaching:**

Curriculum Development

I developed the program objectives for the Family Planning Fellowship. This document was submitted to the Buffett Foundation, and we received approval as a training site.

Educational Conference Presentations

See "Invited Lectures, Conference Presentations or Professorships:" (above)

Classroom Teaching (Since 1995, and not cited in Local Presentations above)

Principles of Clinical Medicine,

23

“Obstetric Physical Examination”, 1995, 1996, 1997, 1998, 2000, 2001, 2002, 2003, 2004, 2005  
Pelvic/GU Examination Instructor, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004,  
2005, 2006, 2007, 2008, 2009, 2010

Gross Anatomy Class – MS I Course:  
Instructor 2001, 2003, 2004

Physician Assistant Curriculum  
“Breast Disease” 1999, 2001  
“Contraception” 1999, 2001  
“Ectopic Pregnancy” 2003, 2004, 2005, 2006, 2007

Human Growth and Development - MS II Course  
“Contraception, Abortion, and Sterilization” 1995-2012  
“Female Infertility” 1995-2001  
“Abnormal Menstrual Cycles” 1995-2004  
“Panel: Population Growth”, 1995-1998

Pediatric Resident Noon Conference Series  
“Contraception for Adolescents,” 1996, 1998, 2000, 2003  
“Evaluation and Management of Abnormal Bleeding in Adolescents,” 2000, 2002

Internal Medicine Resident Noon Conference Series  
“Contraception Review”, 2004

Students for Reproductive Choice Elective  
“Surgical Abortion Technique” 1997-2007

Women’s Health Care Nurse Practitioner Curriculum  
“Abortion Review” 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003  
“Benign Breast Disease” 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003  
“Oral Contraceptives and Emergency Contraception” 2002, 2003

Nurse-Midwifery Curriculum  
“Shoulder Dystocia” 1995-2016  
“Breech Presentation” 2006, 2008, 2010, 2012, 2014, 2016

Family Practice Resident Noon conference  
“Contraception Update” 2003  
“Medical Abortion” 2003

Endocrinology Fellows Noon Conference  
“Contraceptive Review” 2005

Women’s Health Interest Group  
“Management of Breech Presentation” 2010

**Education Grants and Contracts:**

Fellowship in Family Planning, funded by the Buffett Foundation. This pays for the salary of two fellows (R5 & R6) and 10% of the faculty of the fellowship director, (split evenly with the assistant fellowship director)

24

**Effectiveness of Educational Activity:**

Evaluations from teaching activities are available.

**Mentorship:**

Served on the MPH thesis committee for Kim Goldsmith, 2003-2004.

Served as mentor of numerous residents for their research projects including Lisa Thomas, Alison Edelman, Neva Phair, Carla Picardo, Marni Kwiecen, Liz Morgan, Gary Burgoine, Stephanie Koontz, Gina Allison, Emily Drath

**Service and Membership of Educational Committees:**

Steering Committee for the Human Growth and Development Course, SOM, OHSU, 1995-2002

Course Development Committee, Transition to Internship, SOM, OHSU, 1998

Member, Thesis Advisor for Kim Goldsmith, candidate for MPH, 2003

**Honors and Awards for Education:**

Outstanding Teaching Award, presented by graduating chief residents, OB/GYN Department at OHSU, June 1992.

APGO/CREOG National Faculty Award, presented for excellence in teaching to one faculty member in the Ob/Gyn Dept. at OHSU each year, June 1993.

Excellence in Basic Sciences Teaching MSII Curriculum, OHSU, School of Medicine, 1994-1995.

Teaching Excellence Award, OHSU, School of Medicine, 1999-2000

J. David Bristow Award, OHSU, School of Medicine, Senior Class recognition to "one faculty member who exemplifies the ideals of the true physician as he/she conducts clinical practice with patients and colleagues", June 2001.

APGO/CREOG National Faculty Award, presented for excellence in teaching to one faculty member each year, June 2001

Planned Parenthood Federation of America, Affiliate Excellence Award given to one affiliate in the country for outstanding clinical teaching and research, 2003

Chosen as Faculty Marshal, OHSU School of Medicine Commencement Ceremony, June, 2004

Teaching Excellence Award, OHSU, School of Medicine, 2003-2004

Medical Students for Choice Faculty Mentor Award, presented at MSFC National meeting, Philadelphia, March, 2005

J. David Bristow Award, OHSU, School of Medicine, Senior Class recognition to "one faculty member who exemplifies the ideals of the true physician as he/she conducts clinical practice with patients and colleagues", June 2007.

The Leonard Tow Humanism in Medicine Award, June 2007

25

Chosen as Faculty Marshal, OHSU School of Medicine Commencement Ceremony, June, 2008

Outstanding Teacher Award, presented by graduating chief residents, OB/GYN Department at OHSU, June 2009.

Medical Students for Choice Faculty Mentor Award, presented at MSFC National meeting, Salt Lake City, UT, October 2009.

Robert Hatcher Family Planning Mentor Award, Society of Family Planning, 2015

**Medico-Legal activities:**

Testimony and depositions:

| Date     | Lawyer          | Name                              | Location |
|----------|-----------------|-----------------------------------|----------|
| 8/7/07   | John Hart       | Warling v Newhall                 | Oregon   |
| 9/25/07  | Larry Brisbee   | Fino-Morales v Providence         | Oregon   |
| 11/30/07 | Kelly Giampa    | Brown v Newhall                   | Oregon   |
| 1/10/08  | Kim Hoyt        | Jones v Peterson                  | Oregon   |
| 2/26/08  | John Hart       | Kluschkowski v Peacehealth        | Oregon   |
| 11/3/08  | Michael Ramsden | Dusbabek v Ambrose                | Idaho    |
| May 2009 | John Hart       | Wharton v Grant                   | Oregon   |
| 8/25/11  | Ed Lemons       | Hayes v Price                     | Nevada   |
| 11/6/11  | TroyBundy       | Nguyen v Draper                   | Oregon   |
| 11/20/14 | Larry Brisbee   | Bergstrom v Carbonell             | Oregon   |
|          | Sherry Browning | Bergstrom v Carbonell             | Oregon   |
| 2/6/20   | Chip Horner     | Ziadi-Hadar v A Gentle Beginnings | Oregon   |

**Other Legal Activities**

| Date                           | Lawyer              | Name   | Activity                 | Location                     |
|--------------------------------|---------------------|--|--------------------------|------------------------------|
| 10/6/16                        | Laura Einstein      | State of Idaho v Planned Parenthood          | Deposition               | Boise, Idaho                 |
| 3/24/17                        | Alexa Kolbi-Molinas | ACLU v Commonwealth of Kentucky              | Testimony                | Lexington, Kentucky          |
| 11/8/17                        | Janet Crepps        | Center for Reproductive Rights vs Texas      | Testimony                | Austin, Texas                |
| 4/5/19                         | Chip Horner         | Maria Espuro vs Bayer                        | Deposition               | Portland, OR                 |
| 2/1/19,<br>5/20/19,<br>5/31/19 | Jenny Ma            | Falls Church Medical Center vs Norman Oliver | Deposition and testimony | Portland, OR<br>Richmond, VA |
| 10/27/20                       | Alice Clapman       | PPNGHI v Wasden                              | Deposition               | Portland, OR                 |