

## CURRICULUM VITAE

### **Roger D. Beyer M.D., M.A., F.A.C.O.G.**

505 Hazen Street, Suite 204  
Paw Paw, MI 49079  
Office Phone: (269) 657-6058  
Office Fax: (269) 657-5996  
Email: [rogerbeyer@pol.net](mailto:rogerbeyer@pol.net)

#### **Education:**

- 1979 - 1983 Residency Program, Obstetrics & Gynecology,  
Barnes Hospital and St. Louis Hospital, St. Louis, MO.
- 1979 M.D., Case Western Reserve University, Cleveland, OH.
- 1972 - 1979 M.D. Ph.D. Pharmacology Program,  
Case Western Reserve University, Cleveland, OH.
- 1972 M.A. Genetics, Western Michigan University, Kalamazoo, MI.
- 1970 B.S. Biology, Western Michigan University, Kalamazoo, MI.

#### **Current Licensure:**

Michigan  
Wisconsin  
Missouri

#### **Certifications:**

- 2006 Certified Physician Investigator, Association of Clinical Research  
Professionals.
- 1985 Fellow, Board Certified by the American Board of Obstetrics &  
Gynecology, American College of Obstetrics & Gynecology.

#### **Professional Positions:**

- 1984 - Women's Healthcare Specialists, P.C., Paw Paw and Kalamazoo, MI.

Solo comprehensive obstetrics & gynecology practice  
Extensive training in complex vaginal surgery  
Routinely perform repairs for total procidentia, vaginal prolapse and  
cystocele/recetocele/enterocele repair using transvaginal and intra-  
abdominal approaches  
Perform extensive operative laparoscopic procedures and urogynecologic  
procedures

2000 - Beyer Research, Paw Paw, MI.

Conducted over 50 studies (Phase 2-3), including drug regimens, devices,  
and surgery. Therapeutic areas include: type 2 diabetes, overactive  
bladder, interstitial cystitis, pain control, irritable bowel syndrome  
(diarrhea, constipation, and mixed), hypertension, migraine, anemia,  
infectious disease, and women's issues (including contraceptives,  
menorrhagia, menopause/hot flushes, hyposexual desire disorder, vaginal  
prolapse, and endometriosis).

#### **Teaching Affiliations:**

2000 - Adjunct Faculty, Western Michigan University, Kalamazoo, MI

#### **Committee Assignments:**

1997 - 2009 Committee on Maternal and Perinatal Health, Michigan State Medical  
Society

1997 - Michigan Maternal Mortality Surveillance (MMMS), Medical Review  
Committee, Division of Michigan Department of Public Health

#### **Professional Societies:**

American Association of Gynecologic Laparoscopists  
Association of Clinical Research Professionals  
American Urogynecologic Society  
International Urogynecological Association  
American College of Obstetrics and Gynecology – Fellow  
International Society for Study of Women's Sexual Health  
American Medical Association  
Michigan State Medical Society  
Van Buren County Medical Society

## **Principal Investigator / Clinical Research Experience:**

2009

A 12-week, randomized, double blind, placebo-controlled, parallel-group, multicenter trial to evaluate the efficacy and safety of Fesoterodine flexible dose regimen in vulnerable elderly patients with overactive bladder

Multi-center, double-blind, double-dummy, randomized, parallel-group study to evaluate cycle control, bleeding pattern, blood pressure, lipid and carbohydrate metabolism of the transdermal contraceptive patch (material no. 80876395 / 2.1 mg gestodene and 0.55 mg ethinylestradiol) vs. an oral comparator containing 20 µg ethinylestradiol and 100 µg levonorgestrel in a 21-day regimen for 7 cycles in 400 women

An open-label study to evaluate the long-term safety of subcutaneous MOA-728 for treatment of opioid induced constipation in subjects with nonmalignant pain

A randomized open-label study to evaluate the safety and efficacy of Denosumab and Ibandronate in postmenopausal women sub-optimally treated with daily or weekly bisphosphonates

A randomized, double-blind, placebo-controlled, dose-ranging, exploratory, 28-day study to examine the effects of AR9281 on blood pressure and glucose tolerance in patients with mild to moderate hypertension and impaired glucose tolerance

A randomized, double-blind, double-dummy, 2-arm parallel-group, multicenter 24-week study comparing the efficacy and safety of AVE0010 to sitagliptin as add-on to metformin in obese type 2 diabetic patients younger than 50 and not adequately controlled with metformin

Phase 2, 16 week, multicenter, randomized, double-blind placebo-controlled, parallel group proof of concept study evaluating the efficacy and safety of tanezumab for the treatment of pain associated with endometriosis

Double-blind randomized, placebo and active-controlled efficacy and safety study of bazedoxifene/conjugated estrogens combination for prevention of endometrial hyperplasia and prevention of osteoporosis in postmenopausal women

Prospective, multicenter study to assess a posterior synthetic mesh repair system with apical prolapse

2008

Multi-center, open label, randomized study to assess the safety and contraceptive efficacy of two doses of (in vitro 12 µg/24 h and 16 µg/24 h) of the ultra-low dose levonorgestrel contraceptive system (LCS) for a maximum of 3 years in women 18 to 35 years of age

Randomized, double blind, placebo-controlled, parallel-group study evaluating the safety and efficacy of clindamycin/butoconazole vaginal cream in the treatment of mixed bacterial vaginosis/vulvovaginal candidiasis infections

Randomized, double blind, parallel group study evaluating the efficacy and safety of co-administration of a triple combination therapy of olmesartan medoxomil, amlodipine besylate and hydrochlorothiazide in subjects with hypertension

Phase III, randomized, double-blind, placebo-controlled, multi-center study for the long term safety and efficacy of Libigel® for the treatment of hypoactive sexual desire disorder in postmenopausal women

Multicenter, randomized, double blind, placebo-controlled study to investigate the safety and efficacy of gabapentin ER tablets in the treatment of vasomotor symptoms in postmenopausal women

Multicenter, double-blind, randomized, placebo-controlled study to determine the lowest effective dose of oral Angeliq (drospirenone 0.5 mg/17 $\beta$ -estradiol 0.5 mg, drospirenone 0.25 mg/17 $\beta$ -estradiol 0.5 mg, and 17 $\beta$ -estradiol 0.3 mg) for the relief of moderate to severe vasomotor symptoms in postmenopausal women over a treatment period of 12 week

A multicenter, open-label, three-arm, active-controlled study to assess the efficacy and safety of the oral contraceptive test article (0.02 mg ethinyl estradiol as betadex clathrate and 3 mg drospirenone) in two flexible extended regimens and a conventional regimen of Yaz in 1756 healthy females for 1 year

Multicenter, open label, single-arm study to assess the efficacy and safety of the oral contraceptive test article in a flexible extended regimen for one year

Randomized, double blind, placebo-controlled, multicenter study to assess the efficacy and safety of rifaximin 550 mg TID in the treatment of subjects with non-constipation irritable bowel syndrome

Randomized, double blind, placebo-controlled parallel group evaluation of the efficacy and tolerability of two different doses of Elmiron for the treatment of interstitial cystitis

Open-label study to evaluate the long-term safety of subcutaneous MOA-728 for treatment of opioid-induced constipation in subjects with non-malignant pain

Prospective, multicenter study to assess an anterior synthetic mesh repair system with apical prolapse

Prospective, multicenter study to assess the AMS pelvic floor repair system devices for prolapse repair

2007

Randomized, double blind, placebo-controlled, parallel-group, multi-center study with a double-blind extension investigating the efficacy and safety for the treatment of nocturia in adults

Randomized, double-blind, placebo-controlled, multicenter, 52-week study to evaluate the endometrial safety of transdermal testosterone in naturally menopausal women with hypoactive sexual desire disorder

Randomized, double blind, placebo-controlled study to evaluate the safety and effectiveness of test article in female patients with irritable bowel syndrome with constipation

Phase 2, 18-week, double-blind, placebo-controlled, multicenter study evaluating the safety and efficacy of lidocaine/diphenhydramine combination cream compared with lidocaine and placebo creams in the treatment of vulvar vestibulitis syndrome

Phase II, randomized, double blind, active-controlled study to assess the safety and efficacy of test article in subjects with endometriosis

Prospective study to evaluate the effectiveness of the treatment for female stress urinary incontinence in women with suboptimal response to surgical treatment

Double blind, randomized, placebo-controlled, parallel-group, multicenter trial to evaluate the efficacy and safety of a flexible dose regimen in patients with overactive bladder

Multicenter, randomized, placebo-controlled, double-blinded study of the efficacy and safety of lubiprostone in patients with opioid-induced bowel dysfunction

Double-blind, randomized, active-control study to evaluate effects of two medications with 2 different progestins and estrogens effect on blood pressure and sodium sensitivity in postmenopausal women with prehypertension

Multicenter, double blind study to determine the efficacy and safety of (test article) plus Pioglitazone HCL (Actos®), (test article) alone or Pioglitazone HCl alone in subjects with type 2 diabetes

Multicenter, double-blind, randomized, placebo-controlled study to determine the lowest effective dose of progestin/estradiol for the relief of moderate to severe vasomotor symptoms in postmenopausal women

Long-term safety study of a combination product containing a triptan and a NSAID for the treatment of migraine in adolescents

52-week, randomized, double-blind, parallel-group, multi-centre, Phase IIIB study comparing the long term safety of SYMBICORT® pMDI 160/4.5 ug x 2 actuations twice daily to budesonide HFA pMDI 160 ug x 2 actuations twice daily in adult and adolescent (>=12 years) African American subjects with asthma

Open-label, randomized, parallel-group study comparing two medications in subjects with iron-deficiency anemia

Randomized, placebo-controlled, drug study for treatment of cervical high-risk HPV Infection

Multicenter prospective study reviewing information related to patient outcomes with the use of synthetic devices for posterior prolapse repair and vaginal vault suspension system

2006

Multicenter, double blind randomized, placebo-controlled, parallel-group, multicenter study to evaluate efficacy and safety, drug study for treatment of menorrhagia

Multicenter, double-blind randomized, placebo vs. active, controlled efficacy and safety, drug study for treatment of moderate to severe vulvar/vaginal atrophy in postmenopausal women

2005

Multicenter, double-blind randomized, placebo vs. active, controlled efficacy and safety, drug study for prevention of osteoporosis in postmenopausal women

Sub-I for multicenter, double blind, placebo-controlled, randomized study of a pain medication for post-operative pain following vaginal hysterectomy

Multicenter, prospective surveillance study to monitor and measure the risks of various oral contraceptives

Multicenter, prospective surveillance study of patient outcomes comparing two drug treatments for osteoporosis vs. vitamin D and/or calcium

Multicenter prospective study reviewing information related to patient outcomes with the use of synthetic devices for anterior prolapse repair and vaginal vault suspension system

Multicenter prospective study to document baseline, procedural and outcome variables associated with a synthetic mesh device anterior prolapse repair system

2004

Multicenter prospective study using the MIDAS questionnaire to assess the effects of using the Headache Care for Practicing Clinician guidelines for migraine treatment

Open-labeled, multicenter, randomized long-term prospective study of transdermal medication for overactive bladder in a community-based population

2003

RING Study, tolerability of Vaginal Ring for Drug Delivery in Women.

2001

Open-label, multicenter non-comparative clinical study of an oral antibiotic in the treatment of community-acquired respiratory tract infection

2000

Open-labeled, multicenter non-comparative clinical study of an oral fluoroquinolone in the treatment of community-acquired respiratory tract infection

1989

Unpublished research on "Does the Effect of Acetic Acid Spraying as Well as a Pap Smear Increase the Find Rate of CIN?"

**University Research:**

1974 - 1978 Research Assistant, Hematology, Case Western Reserve University

1972 - 1974 Research Assistant, Environmental Health Program, Department of Pharmacology, Case Western Reserve University

1970 - 1972 Research Assistant, Genetics, Western Michigan University

1971 Research Assistant, Organic Chemistry, Western Michigan University

**Recent Teaching Presentations:**

2008 "Pelvic Floor Repair and the New Meshes," Ob/Gyn Grand Rounds Borgess Medical Center, Kalamazoo, MI, May 6, 2008.

2009 "Vaginal Birth and its Effect on the Pelvic Floor and Possible Ways to Repair," Ob/Gyn Grand Rounds, Borgess Medical Center, Kalamazoo, MI, July 9, 2009.

**Publications:**

Lukban JC, **Beyer RD**, Moore RD. Incidence of Extrusion in Subjects Treated with Type I Polypropylene Mesh "Kit" Repairs in the Treatment of Pelvic Organ Prolapse. Int Urogyn J, submitted for publication.

Moore RD, **Beyer RD**, Jacoby K, Freedman SJ, McGammon KA, Gambia MT. Type I, Polypropylene Mesh Placed Via Transobturator Route for the Treatment of Anterior Vaginal Prolapse, Int Urogyn J, submitted for publication.

Davila GW, Moore RD, **Beyer RD**, Flaherty J, Jacoby K, Lukban J. Perioperative and Short-Term Outcomes of Perigee™ and Apogee™ in Patients Undergoing Pelvic Organ Prolapse Repair. Int Urogyn J, submitted for publication.

Moore RD, **Beyer RD**, Jacoby K, Freedman SJ, McGammon KA, Gambia MT. Prospective Multicenter Trial Assessing Type I, Polypropylene Mesh Placed Via Transobturator Route for the Treatment of Anterior Vaginal Prolapse with 2 Year Follow-Up. Int Urogyn J, accepted for publication.

**Beyer RD**. Transobturator Suburethral Tape Procedure For the Management of Urinary Stress Urinary Incontinence in the Gynecologic Patient. Southwest Michigan Medical Journal 2004(July);1(2):20-24.

Ficsor, G, Fuller S, Jeromin J, **Beyer RD**, Janca F. Enhancing Cervical Cancer Detection Using Nucleic Acid Hybridization and Acetic Acid Tests. Nurse Pract 1990(July); 15(7):26-30.

Anton AH, Serrano A, **Beyer RD**, Lavappa KS. Tetrahydrocannabinoid sesame oil and biogenic amines: A preliminary report. Life Sciences 1974(May);14(9):1741-46.

Leash AM, **Beyer RD**, Wiber RG. Self-mutilation following Innovar-Vet injection in the guinea pig. Laboratory Animal Science 1973(Oct);23(5):720-21.

Trimitsis G, Tuncay A, **Beyer RD**, Ketterman KJ. *a,a'*-Dimetalations of Dimethylarenes with Organosodium Reagents. The Catalytic Effect of Certain Tertiary Amines. J Org Chem 1973; 38(8):1491-92.

Lavappa KS, Fu MM, Sing M, **Beyer RD**, Epstein SS. Banding patterns of chromosomes in bone marrow cells of the Chinese hamster as revealed by acetic-saline-Giemsa, urea and trypsin techniques. Laboratory Animal Science 1973;23(4)546-50.

**Beyer RD.** The Organ-Specific Mammalian Host-Mediated Microbial Mutagen Assay (OSHMA). Masters Thesis, Western Michigan University, December 1972.

Trimitis GB, Tuncay A, **Beyer RD.** Metalations of dimethylarenes with organosodium reagents. Catalytic effect of certain tertiary amines. J Am Chem Soc 1972(March);94(6):2152-53.

Ficsor G, **Beyer R,** Janca FC, Zimmer DM. An organ specific host-mediated microbial assay to detect chemical mutagens in vivo: demonstration of mutagenic action in rat testes following streptozotocin treatment. Mutation Res 1971; 13:283-287.

### **Abstracts / Posters:**

Lukban J, **Beyer R,** Roovers JP, VanDrie D, Patel M, et al, A Prospective, Multi-Center Clinical Trial Evaluating Elevate Apical and Posterior (Elevate A&P) in Patients with Posterior and/or Apical Vaginal Wall Prolapse: Six-Month Follow-Up, 38<sup>th</sup> Global Congress of Minimally Invasive Gynecology, Orlando, Florida, November 15-19, 2009 (J Min Invasive Gyn (2009) 16 (Supp) 16(6) S46).

RD Moore, **R Beyer,** et al, Prospective Multi-center Trial Assessing Type I, Polypropylene Mesh Placed Via a Transobturator Approach For Anterior Wall Prolapse With 2 Year Follow-up, 30<sup>th</sup> Annual Meeting of AUGS, Hollywood, Florida, Sept 24-26, 2009 (J Pelv Med & Surg, Sept/Oct 2009, 12(5)262).

RD Moore, **R Beyer,** et al, Perigee Synthetic Study 12-month Data, 35<sup>th</sup> Annual Scientific Meeting, New Orleans, Louisiana, Mar 30-Apr 1, 2009.

**Beyer R,** Impact of Closure Technique on Extrusion Outcomes in 54 Women Treated with Type I Polypropylene Mesh for Vaginal Prolapse, Annual Meeting of the AAGL, Las Vegas, Nevada, Oct 28-Nov 1, 2008 (J Min Invasive Gyn, Nov/Dec 2008, 15(6) Supp:S14).

J Lukban, M Patel, D VanDrie, **R Beyer,** et al, A Prospective Multi-Center Clinical Trial Evaluating the Apogee System for the Treatment of Posterior Vaginal Wall and Apical Prolapse: A Sub-Analysis of Apical Extrusions with or without Concomitant Hysterectomy, , Annual Meeting of the AAGL, Las Vegas, Nevada, Oct 28-Nov 1, 2008 (J Min Invasive Gyn, Nov/Dec 2008, 15(6) Supp:S36).

Moore R, Lukban J, **Beyer R,** Incidence of Extrusion in Patients Treated with Type I Polypropylene Mesh “Kits” in Pelvic Organ Prolapse Repair, 37<sup>th</sup> Annual Meeting of the AAGL, Las Vegas, Nevada, Oct 28-Nov 1, 2008 (J Min Invasive Gyn, Nov/Dec 2008, 15(6) Supp:S140 (author inadvertently omitted)).

RD Moore, **R Beyer,** K Jacoby, S Freedman, et al, Multi-center trial evaluating the 6 and 12 month efficacy and safety of the Perigee System with IntePro, 33rd Annual IUGA

Meeting, Taipei, Taiwan, September 15-17, 2008 (Int Urogyn J (2008) 19 (Suppl 1):S29).

J Lukban, T Erickson, M Virelles, **R Beyer**, R Moore, et al, A Prospective Multi-Center Clinical Trial Evaluating the Apogee System for the Treatment of Posterior Vaginal Wall and Apical Prolapse, 33rd Annual IUGA Meeting, Taipei, Taiwan, September 15-17, 2008 (Int Urogyn J (2008) 19 (Suppl 1):S90).

J Lukban, M Patel, D VanDrie, **R Beyer**, et al, A Prospective Multi-Center Clinical Trial Evaluating the Apogee System for the Treatment of Posterior Vaginal Wall and Apical Prolapse: A Sub-Analysis of Apical Extrusions with or without Concomitant Hysterectomy, (Poster) J Pelv Med & Surg, Jul/Aug 2008; 14(4)271.

RD Moore, **R Beyer**, et al, Anterior Repair With Mesh: with or without Prior Anterior Repair, (Poster) J Pelv Med & Surg, Jul/Aug 2008; 14(4)276.

J Lukban, TB Erickson, M Virelles, M Patel, D VanDrie, **R Beyer**, et al, A Prospective Multi-Center Clinical Trial Evaluating the Apogee System for the Treatment of Posterior Vaginal Wall and Apical Prolapse, AUA Annual Meeting, Orlando, Florida, May 17-22, 2008 (J Urol, Apr 2008; 179(4 Suppl):448).

R Moore, **R Beyer**, et al, Anterior Prolapse Repair With Mesh: With or Without an Incontinence Repair, AUA Annual Meeting, Orlando, Florida, May 17-22, 2008.

R Moore, **R Beyer**, et al, Multi-center trial evaluating the intra-operative safety and 6 and 12-month efficacy of the Perigee System, AUA Annual Meeting, Orlando, Florida, May 17-22, 2008.

RD Moore, **R Beyer**, JR Miklos, K Jacoby, S Freedman, K McCammon, M Gambla, E Jacome, G Badlani. Prospective, Multicenter Trial Evaluating the Perigee System With Polypropylene Mesh for Cystocele Repair: Estrogenicity and Outcomes. 36<sup>th</sup> Global Congress of Minimally Invasive Gynecology (sponsored by the AAGL). Washington, D.C., November 14-17, 2007. (J Pelvic Med & Surg, 2007 Sept/Oct;13(5):255).

RD Moore, **R Beyer**, J Miklos, et al, "Prospective, Multi-Center Trial Evaluating the Perigee System with Polypropylene Mesh for Cystocele Repair: Estrogenicity and Outcomes", AUGS 28th Annual Scientific Meeting, Hollywood, FL, September 26-29, 2007 (J Pelvic Med & Surg, Vol 13, No. 5, 2007:(61)255-256).

RD Moore, JR Miklos, **R Beyer**, Prospective, multi-center trial evaluating the Perigee System with polypropylene mesh for cystocele repair, presented at the 32nd Annual Meeting. IUGA, Cancun, Mexico, June 12-17, 2007 (Intl. Urogyn J, (2007) 18 (Suppl 1):S068).

Davila GW, Flaherty JF, Lukban JC, **Beyer R**, Patel M, Moore RD, Retrospective analysis of Efficacy and Safety of Perigee and Apogee in Patients Undergoing Repair for

Pelvic Organ Prolapse, 35<sup>th</sup> Annual Meeting of the AAGL, Las Vegas, Nevada, November 6-9, 2006 (J Min Invasive Gyn, Sep/Oct 2006(Supp), 13(5) S27).

Davila GW, Flaherty JF, Lukban JC, **Beyer R**, Patel M, Moore RD, Retrospective analysis of Efficacy and Safety of Perigee and Apogee in Patients Undergoing Repair for Pelvic Organ Prolapse. Poster accepted for 27<sup>th</sup> annual AUGS Scientific Meeting 2006; October 19-21, 2006; Palm Springs, California.

Davila GW; **Beyer R**, Moore, RD, et al, Restoration of Vaginal Apical and Posterior Wall Support with the Apogee System, 30th Annual Meeting of IUGA, Copenhagen, August 2005 and 35th Annual ICS Meeting, Montreal, Canada, August 2005 (Int Urogyn J 2005; 16(Supp 2): S117-118).

Ficsor G, Fuller S, Jeromin JS, **Beyer R**, Janca F, Cervical cancer risk evaluation by acetic acid, Pap, and human papilloma virus (HPV) nucleic acid hybridization tests, 92<sup>nd</sup> Annual Meeting Michigan Academy of Science, Arts and Letters, Grand Rapids, Michigan, March 17-18, 1989.

Ficsor G, Fuller S, Jeromin JS, **Beyer R**, 1988, Detection and typing of cervical human papilloma viruses with DNA RNA hybridization, 16<sup>th</sup> International Congress Genetics, Toronto, Canada.

Ficsor G, **Beyer RD**, 1975, Methodology for dosimetry of chemical mutagens in rete testis fluid of the vas deferens, Mutation Research 31:331.