

KEVIN J. STEPP, MD

Fellowship Director, Urogynecology, Reconstructive Pelvic Surgery, and
Minimally Invasive Surgery
Department of Obstetrics and Gynecology
MetroHealth Medical Center
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Cleveland, Ohio 44109
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EDUCATION

Undergraduate

Michigan State University
Bachelor of Science in Physiology
East Lansing, Michigan

Sept 1990 – May 1994

Medical School

Wayne State University School of Medicine
Doctor of Medicine
Detroit, Michigan

Aug 1994 – June 1998

Residency

Case Western Reserve University at MetroHealth Medical Center and
The Cleveland Clinic Foundation
Obstetrics and Gynecology
Cleveland, Ohio

July 1998 – June 2002

Fellowships

The Cleveland Clinic Foundation
Minimally Invasive Surgery
Cleveland, Ohio

July 2002 – June 2003

The Cleveland Clinic Foundation
Female Pelvic Medicine and Pelvic Reconstructive Surgery
Cleveland, Ohio

July 2002 – June 2005

HOSPITAL AND ACADEMIC APPOINTMENTS

Director, Gynecologic Surgical Education July 05 – Present
 Fellow Director, Urogynecology and Pelvic Reconstructive Surgery
 Division, Minimally Invasive Surgery
 Department of Obstetrics and Gynecology
 MetroHealth Medical Center
 Cleveland, Ohio

Staff Physician July 05 – Present
 Department of Obstetrics and Gynecology
 Fairview Hospital, Cleveland Clinic Health System
 Cleveland, Ohio

Clinical Fellow July 2002 – June 2005
 Section, Urogynecology and Pelvic Reconstructive Surgery
 Department of Obstetrics and Gynecology
 Department of Minimally Invasive Surgery
 The Cleveland Clinic Foundation
 Cleveland, Ohio

Limited Clinical Practitioner July 2002 – Present
 Department of Obstetrics and Gynecology
 The Cleveland Clinic Foundation
 Cleveland, Ohio

Resident July 1998 – June 2002
 Department of Obstetrics and Gynecology
 MetroHealth Medical Center
 Cleveland, Ohio

PROFESSIONAL LICENSES AND CERTIFICATION

State Medical Board of Ohio
 Diplomate, American Board of Obstetrics and Gynecology, Inc.

PROFESSIONAL ORGANIZATIONS

American College of Obstetricians and Gynecologists, Fellow
 American Urogynecology Society
 American Association of Gynecologic Laparoscopists
 Golden Laparoscope Award Committee Member, 2006, 2007
 Abstract Review Committee Member, 2008
 Cleveland Society of Obstetricians and Gynecologists

POSTGRADUATE AWARDS

Wyeth-Ayerst Resident Reporter, ACOG National Conference, 2001
 Excellence in Research, Department of Ob/Gyn, 2001
 Excellence in Teaching PGY III, Student Teaching Award, 2000-2001
 Best Ob/Gyn Teaching Resident Award, 2000-2001
 Primary Care Update Ob/Gyn National Resident Research Competition. 4th place, 2001
 Excellence in Research, Department of Ob/Gyn, 2002
 Excellence in Teaching PGY IV, Student Teaching Award, 2001-2002
 APGO/Parke-Davis Scholar, 2002
 AAGL Special Excellence in Endoscopic Procedures, 2002
 June Allyson Foundation Research Fellowship Award, Runner-up for, *Developing a new model for assessing vaginal wall biomechanical properties before and after vaginal wall graft implantation.* 2004
 Berlex Foundation Junior Faculty Development Award, May 2006.

EDITORIAL RESPONSIBILITIES

Reviewed manuscripts for:
 American Journal of Obstetrics and Gynecology
 International Urogynecology Journal and Pelvic Floor Dysfunction
 International Journal of Gynecology and Obstetrics
 Journal of Gynecologic Surgery
 Journal of American Association of Gynecologic Laparoscopists
 Journal of Pelvic Medicine and Surgery
 Women's Health

COMMITTEE APPOINTMENTS

<u>American Association of Gynecologic Laparoscopists</u>	
Abstract Review Committee, Annual Clinical Meeting	2008
Golden Laparoscopic Committee, Annual Clinical Meeting	2006, 2007
<u>MetroHealth Medical Center</u>	
Surgical Technology Assessment Committee	April 2005 – Present
Departmental Webpage Design	November 2005 – Present
Perioperative Services Executive Working Group	August 2007, December 2007
Resident Lecture Series Development	July 2000 – June 2001
Computer-based (EpicCare Systems) Charting Committee	July 2001 – June 2002
<u>The Cleveland Clinic Foundation</u>	
Graduate Medical Education Council, Internal Review Committee	Jan 2004 – June 2005

TEACHING ACTIVITIES

Fellowship Program Director, Urogynecology and Reconstructive Surgery, and Minimally Invasive Surgery July 05 – Present
 Director, Gynecologic Surgical Education
 MetroHealth Medical Center

Program director for a new three-year urogynecology and reconstructive pelvic surgery and minimally invasive surgery fellowship. As director of gynecologic surgical education, responsibilities include creating, implementing, and continually evaluating a comprehensive surgical training program for the twenty-eight obstetrics and gynecology residents and the gynecologic fellow. Other responsibilities include serving as supervisor and educator to Case Western Reserve University School of Medicine students during their gynecology rotations. Participate in educational and quality assurance conferences. Goals include developing a comprehensive surgical training program in laparoscopic and vaginal surgery for residents utilizing didactics, inanimate and animate practice sessions, and clinical training. Serve as a mentor to residents in their pursuit of research projects with particular focus on the areas of surgical education, urinary incontinence, and pelvic organ prolapse. Medical student preceptor.

Physician Preceptor July 06 – Present
 Family Medicine Residency Program, MetroHealth Medical Center

Responsibilities include serving as educator one Family Medicine Resident per month. The residents are exposed to and participate in community office practice evaluating patients with pelvic floor disorders.

Clinical Fellow, July 2002 – June 2005
 The Cleveland Clinic Foundation

Responsibilities included, among other things, serving as an immediate supervisor to the residents and medical students during their gynecology rotations at The Cleveland Clinic Foundation. This included daily work and teaching rounds, surgical training, instruction on becoming a gynecologic consultant, as well as formal lectures as listed below. Additionally, I helped residents in their pursuit of research projects and individual teaching on minimally invasive surgery techniques.

INVITED LECTURES/DIDACTIC COURSES

Minimally Invasive Surgery and Pelvic Anatomy.
 Metro Health Medical Center and The Cleveland Clinic Foundation Resident Lecture Series.
 The Cleveland Clinic Foundation, Cleveland, Ohio. August 2002. December 2002.

Complications of Laparoscopic Surgery.
 MetroHealth Medical Center and The Cleveland Clinic Foundation Resident Lecture Series.
 The Cleveland Clinic Foundation, Cleveland, Ohio. December 2002.

Lower Urinary Tract Injuries in Gynecologic Surgery. Obstetrics and Gynecology Grand Rounds.
 The Cleveland Clinic Foundation, Cleveland, Ohio. January 2003.

Instructor. 2nd Annual Update on Gynecologic Endoscopy and Cadaver Course.
 The Cleveland Clinic Foundation, Cleveland, Ohio. February 2003.

Instructor. City-Wide Advanced Laparoscopic Training Course for Gynecology Residents.
The Cleveland Clinic Foundation, Cleveland, Ohio. May 2003.

Urinary Incontinence for the Primary Care Physician.
Israeli Ministry of Health Women's Health Scholars.
The Cleveland Clinic Foundation, Cleveland, Ohio. November 2003.

Laparoscopy in Pregnancy. Obstetrics and Gynecology Grand Rounds.
Fairview Hospital, Cleveland, Ohio. January 2004.

Instructor. 3rd Annual Update on Gynecologic Endoscopy and Cadaver Course.
The Cleveland Clinic Foundation, Cleveland, Ohio. February 2004.

Biomechanical Properties of the Vagina.
Cleveland Clinic Foundation Pelvic Floor Center Conference. Cleveland, Ohio. April 2004.

Instructor. City-Wide Advanced Laparoscopic Training Course for Gynecology Residents.
The Cleveland Clinic Foundation, Cleveland, Ohio. May 2004.

Faculty. Transobturator Slings and Anatomy Course.
The Cleveland Clinic Foundation, Cleveland, Ohio. June 2004.

Instructor. City-Wide Advanced Laparoscopic Training Course for Gynecology Residents.
The Cleveland Clinic Foundation, Cleveland, Ohio. June 2004.

Faculty/Lecturer. Update in Female Urology and Urogynecology.
Nonsurgical Management of Prolapse.
The Cleveland Clinic Foundation, Cleveland, Ohio. September 2004.

Instructor. 4th Annual Update on Gynecologic Endoscopy and Cadaver Course.
The Cleveland Clinic Foundation, Cleveland, Ohio. February 2005.

Anatomy of Pelvic Support.
Cleveland Society of Obstetricians and Gynecologists, Urogynecology Meeting.
Independence, Ohio. March 2005.

Teaching Surgery. Obstetrics and Gynecology Grand Rounds.
The Cleveland Clinic Foundation, Cleveland, Ohio. March 2005.

Core-Curriculum Lecturer. *Introduction to Pelvic Anatomy and Introduction to Urogynecology.*
Lectured to Case Western Reserve University School of Medicine students several times
throughout each academic year at The Cleveland Clinic Foundation.
Cleveland, Ohio. Academic Years: 2002 - 2005.

Gross Anatomy Instructor - Pelvis and Perineum Section.
Cleveland Clinic Lerner College of Medicine of Case Western Reserve University
Cleveland, Ohio. March - April 2005.

Theories and Methods of Teaching Surgery. Obstetrics and Gynecology Grand Rounds.
MetroHealth Medical Center, Cleveland, Ohio. November 2005.

3D model of female pelvic floor muscles, bones, and innervation
 Lilly Centre for Women's Health Research Grant -
 Co-Investigator PI: Thor KB June 2002 – June 2003

Developing a new in vivo model for assessing vaginal wall compliance and burst strength before and after vaginal wall graft implantation.
 The Cleveland Clinic Foundation Research Programs Council
 Principle Investigator March 2004 – March 2006

ORIGINAL MANUSCRIPTS

1. Wang P, Ba ZF, **Stepp KJ**, Chaudry IH. Pentoxifylline (PTX) attenuates the depressed endothelial cell function and vascular smooth muscle contractility following trauma and hemorrhagic shock. *J. Trauma*. 1995;39:121-127.
2. **Stepp KJ**, Newman JS, Bradley LD. From scalpels to catheter: Uterine artery embolization for the treatment of uterine fibroids. *Primary Care Update Obstet Gynecol*. 2001;8:232-239. Awarded 4th place in national resident research competition.
3. **Stepp KJ**, Tulikangas P, Goldberg J, Attaran M, Falcone T. Laparoscopy for adnexal masses in the second trimester. *J Am Assoc Gynecol Laparosc*. 2003;10:55-9.
4. Muir TW, **Stepp KJ**, Barber MD. Adoption of the Pelvic Organ Prolapse Quantification System in Peer Review Literature. *Am J Obstet Gynecol*. 2003;189:1632-6.
5. **Stepp KJ**, Falcone T. Laparoscopy in second-trimester of pregnancy. *Obstet Gynecol Clin North Am*. 2004;31:485-496.
6. **Stepp KJ**, Paraiso MF. Laparoscopic management of ureteric obstruction after uterosacral vaginal vault suspension. *J Min Invas Gynecol*. 2005;12:70-72.
7. **Stepp KJ**, Barber MD, Yoo EH, Whiteside JL, Paraiso MF, Walters MD. Prevalence of peri-operative complications of urogynecologic surgery in elderly women. *Am J Obstet Gynecol*. 2005;192:1630-6. AUGS/SGS Joint Scientific Meeting President's Award for Fellow Prize Paper. July 29-31, 2004.
8. **Stepp KJ**, Siddiqui N, Emery S, Barber MD. Textbook Recommendations for Preventing and Treating Perineal Injury at Vaginal Delivery. *Obstet Gynecol*. 2006;107:361-6.
9. Pollard RR, **Stepp KJ**. Peritoneal Access in Laparoscopic Surgery. *The Female Patient*. Oct 2008.

MANUSCRIPTS IN PRESS

1. Siddiqui NY, **Stepp KJ**, Lasch SJ, Mangel JM, Wu JM. Objective structured assessment of technical skills for repair of fourth degree perineal lacerations. In Press. *Am J Obstet Gynecol*. Ralph Snyderman Award for research in medical education, Duke University, 2008.

PRESENTATIONS/ABSTRACTS

1. **Stepp KJ**, Kitagawa G. Utilization of a biorational therapeutic agent in the mitigation of vaginal candidiasis and bacterial vaginosis. A randomized, double blinded trial looking at the efficacy of Bacillus coagulans Hamer in the treatment of vaginal candidiasis and bacterial vaginosis. Presented MetroHealth Medical Center, 4/2002.
2. O'Malley D, Sauchak K, **Stepp KJ**, Mercer B. Is prophylactic tocolytic therapy associated with improved outcomes in antenatal intraperitoneal surgery? ACOG Annual Clinical Meeting (poster) 5/2002.
3. **Stepp KJ**, Sauchak K, O'Malley D, Mercer B. Risk factors for adverse outcomes after intra-abdominal surgery during pregnancy. ACOG Annual Clinical Meeting, Los Angeles, CA (poster) 5/2002.
4. **Stepp KJ**, Tulikangas P, Goldberg J, Attaran M, Falcone T. Laparoscopy for adnexal masses in the second trimester. 10th Annual Congress of the International Society for Gynecologic Endoscopy, Chicago, IL (poster) 3/2001, Cleveland Society of Obstetricians and Gynecologists (oral) 5/2001.
5. Muir TW, **Stepp KJ**, Barber MD. Adoption of the Pelvic Organ Prolapse Quantification System in Peer Review Literature. Oral presentation, Society for Gynecologic Surgeons, Annual Clinical Meeting 2003.
6. **Stepp KJ**, Siddiqui N, Emery S, Barber MD. Do standard obstetrics textbooks' recommendations for preventing and treating perineal injury at delivery reflect current evidence based literature? Oral Presentation, Tips and Tricks in Education and Surgery, American Urogynecologic Society/ Society for Gynecologic Surgeons Annual Meeting, 7/2004. Cleveland Society of Obstetricians and Gynecologists 5/2004: Third place research award.
7. **Stepp KJ**, Barber MD, Yoo EH, Whiteside JL, Paraiso MF, Walters MD. Prevalence of peri-operative complications of urogynecologic surgery in elderly women. Oral Paper Presentation, American Urogynecologic Society/ Society for Gynecologic Surgeons Joint Annual Meeting, Received President's Award for Fellow Prize Paper. 7/2004. Cleveland Society of Obstetricians and Gynecologists 5/2004.
8. Siddiqui NY, **Stepp KJ**, Lasch SJ, Mangel JM, Wu JM. Objective structured assessment of technical skills for repair of fourth degree perineal lacerations. Poster presentation, Society Gynecologic Surgeons Annual Clinical Meeting, Savannah, GA, April 14, 2008.
9. **Stepp KJ**, Dharmani AA, Wilkins C, Uy-Kroh M. Influence of resident, attendings, or physician assistants as surgical assistants in benign gynecologic and urogynecologic surgeries. Cleveland Society of Obstetricians and Gynecologists 5/2008. Poster Presentation, American Urogynecologic Society Annual Meeting 2008.
10. **Stepp KJ**, Dharmani AA. Risk factors for de novo or worsening urinary incontinence following minimally invasive surgery for pelvic floor disorders. Oral Presentation, American Association of Gynecologic Laparoscopists Global Congress, 2008.

11. Pollard RR, **Stepp KJ**. The need for cystoscopy after total laparoscopic hysterectomy. Oral Poster Presentation, American Association of Gynecologic Laparoscopists Global Congress, 2008.
12. **Stepp KJ**, Pollard RR. Laparo-Endoscopic Single Site (LESS) Total Laparoscopic Hysterectomy: Initial Experience and Feasibility. Submitted, Society Gynecologic Surgeons Annual Clinical Meeting, New Orleans, LA, March 30, 2009.

BOOK CHAPTERS

1. **Stepp KJ**, Barber MD. Genital Anatomic Correlates of the Pelvic Floor. In: Davila GW, Ghoniem G, Wexner SD, eds. Practical Urogynecology. Springer-Verlag, 2006
2. **Stepp KJ**, Walters MD. Anatomy of the Lower Urinary Tract, Rectum, and Pelvic Floor. In: Walters MD, Karram MM, eds. Urogynecology and Reconstructive Pelvic Surgery, 3rd Ed. Elsevier Company, 2007.
3. **Stepp KJ**. Principles of Laparoscopic Suturing. In: Falcone T, Basic and Advanced Laparoscopy. Elsevier Company, In Press.

VIDEOS (PEER REVIEWED)

1. **Stepp KJ**, Paraiso MFR. Complete excision of a mid-urethral sling using a combined vaginal and laparoscopic route. Presented at American Association of Gynecologic Laparoscopists Annual Clinical Meeting, November 19-22, 2003.
2. Sokol A. **Stepp KJ**, Falcone T, Goldberg JM. Laparoscopic myomectomy of large intramural fibroids. Presented at American Association of Gynecologic Laparoscopists Annual Clinical Meeting, November 19-22, 2003. Featured also as, Best of the AAGL at the 60th Annual Meeting of the American Society for Reproductive Medicine, October 16-20, 2004.
3. **Stepp KJ**, Falcone T. Laparoscopic management of a large dermoid in the second trimester of pregnancy. Presented at American Association of Gynecologic Laparoscopists Annual Clinical Meeting, November 19-22, 2003. Featured also as, Best of the AAGL at the 60th Annual Meeting of the American Society for Reproductive Medicine, October 16-20, 2004.
4. Muir T, **Stepp KJ**, Shull B, Walters MD. Uterosacral vaginal vault suspension: A systematic approach. American Urogynecologic Society/ Society for Gynecologic Surgeons Joint Annual Meeting, President's Award for Prize Video. July 29-31, 2004.
5. **Stepp KJ**, Gustilo-Ashby AM, Paraiso MFR. Principles of laparoscopic suturing. American Association of Gynecologic Laparoscopists Annual Meeting, November 9-11, 2005. Golden Laparoscope Award for Best Surgical Video of 2005. Presented American Society of Reproductive Medicine, New Orleans, LA, October 25, 2006.
6. **Stepp KJ**. Laparo-endoscopic Single Site (LESS) Total Laparoscopic Hysterectomy: Instructional video. Submitted, Society Gynecologic Society Annual Clinical Meeting, New Orleans, LA, March 30, 2009.