

CURRICULUM VITAE

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Place of Birth: Reykjavik, Iceland

Education:

1995	MD	University of Iceland
2004	MPH	Harvard School of Public Health
2013	PhD	University of Iceland

Postdoctoral Training:

1995-1996	Intern	Internal Medicine/Surgery	Landspítali-Univ Hospital
1996-1998	Resident	Ob/Gyn	Landspítali-Univ Hospital
1998-2002	Resident	Ob/Gyn	Baylor College of Medicine
2002-2004	Fellow	Minimally Invasive Gynecologic Surgery	Baylor College of Medicine
2007-2008	Physician Leadership Program		Harvard Business School
2009-2010	Faculty Mentoring Leadership Program		Brigham and Women's Hospital

Faculty Academic Appointments:

2004	Assistant Clinical Professor	University of Iceland
2006	Instructor	Harvard Medical School
2007	Assistant Professor	Harvard Medical School
2011-	Associate Professor	Harvard Medical School

Appointments at Hospitals/Affiliated Institutions:

2004-2006	Consultant	Landspitali-University Hospital
2006-	Attending Ob/Gyn	Brigham and Women's Hospital
2007-	Attending Ob/Gyn	Faulkner Hospital
2008-	Attending Ob/Gyn	South Shore Hospital
2009-	Consulting Staff	Dana-Farber Cancer Institute

Major Administrative Leadership Positions:

2002	Administrative Chief Resident	Baylor College of Medicine
2004	Assistant Director Residency Program	Landspitali-University Hospital
2005	Course Director Use of Evidence Based Medicine in Clinical Practice	Landspitali-University Hospital
2006-	Division Director and Founder Minimally Invasive Gynecologic Surgery	Brigham and Women's Hospital
2008-13	Director, Minimally Invasive Gynecologic Surgery	South Shore Hospital S. Weymouth MA
2008-12	Assistant Medical Director (Ob/Gyn)	STRATUS Simulation Center Brigham and Women's Hospital
2008-12	Director and Founder MIGS Fellowship Program	Brigham and Women's Hospital
2009-	Course Director and Founder Minimally Invasive Gynecologic Surgery <i>Developed, organized and implemented 3 ½ day comprehensive annual HMS CME accredited postgraduate course dedicated to minimally invasive gynecologic surgery.</i>	BWH / Harvard Medical School
2008-	Course Director, MIGS Annual Update in Obstetrics and Gynecology <i>I am responsible for organizing one day course in minimally invasive gynecologic surgery.</i>	BWH / Harvard Medical School
2012-	Course director CME Online course Infertility and Endocrinology. <i>I developed and organized an online course with Harvard Department of Continuing Education.</i>	Harvard Medical School
2012-	Course director CME Online course Early Pregnancy Complications <i>I developed and organized an online course with Harvard Department of Continuing Education.</i>	Harvard Medical School
2012-	Course director CME Online course Surgical Gynecology	Harvard Medical School

I developed and organized an online course with Harvard Department of Continuing Education.

2012-	Course director	CME Online course Gynecological Malignancies	Harvard Medical School
		<i>I developed and organized an online course with Harvard Department of Continuing Education.</i>	
2012-	Course director	CME Online course Prenatal care	Harvard Medical School
		<i>I developed and organized an online course with Harvard Department of Continuing Education.</i>	

Committee Service:

National

2006	Member	OR Restructuring Committee	Landspitali-University Hospital
2008	Member	STRATUS Development Committee	Brigham and Women's Hospital
2009-11	Member	Operating Room Committee	South Shore Hospital
2009-11	Member	Patient Flow Subcommittee	Brigham and Women's Hospital
2009-	Member	Resident Education Committee	Brigham and Women's Hospital
2008-9	Member	Clinical Advisory Council	Brigham and Women's Hospital
2009-13	Member	Physicians' Council	Brigham and Women's Hospital
2010-12	Member	Quality and Safety Committee	Brigham and Women's Hospital
2013-	Member	Ob/Gyn Executive Committee	Brigham and Women's Hospital

International

2013	Opponent	PhD thesis defense	Leiden University, Netherlands
2013	Opponent	PhD thesis defense	Vrije Universiteit, Netherlands

Professional Societies:

1995-	Member	Icelandic Medical Association	
1998-	Member	American Congress of Obstetricians and Gynecologists	
1999-	Member	American Association of Gynecologic Laparoscopists	
	2008-9	Member	Patient Education Committee
	2009-11	Member	Laparoscopy Subcommittee Task Force
	2009-11	Board member	Minimally Invasive Gynecologic Surgery Fellowship Board
	2010	Member	World Congress Scientific Program Committee
	2010-11	Member	Educational Objectives Committee
	2010-	Member	JMIG Ad Hoc Reviewer Committee
	2011-	Chair/Founder	MIGS Research Consortium
	2011-	Board member	AAGL Board of Trustees
	2014	Secretary/Treasurer	AAGL Board of Trustees
	2015-	Vice President	AAGL Board of Trustees
2004-	Member	European Society for Gynecologic Endoscopy	
	2011	Member	International Scientific Committee

2009-	2012	Member	International Scientific Committee
	Member		Society of Laparoendoscopic Surgeons

Editorial Activities:

Editorial Board Member

2010-12	SurgeryU (www.surgeryu.com)
	American Association of Gynecologic Laparoscopists
2012-	Journal of Minimally Invasive Gynecology

Deputy Editor

2011-	Contemporary Obstetrics and Gynecology
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Section Editor

2008-14	Reviews in Obstetrics & Gynecology
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Ad hoc reviewer

2003-	Journal of Minimally Invasive Gynecology
2004-	Obstetrics and Gynecology
2005-	American Journal of Obstetrics and Gynecology
2006-	Journal of the Icelandic Medical Association
2007-	Acta Obstetrica et Gynecologica Scandinavica
2010-	Archives of Gynecology and Obstetrics
2010-	Obstetrics and Gynecology International
2010-	Gynecologic and Obstetric Investigation
2011-	Human Reproduction
2011-	International Journal of Gynecology and Obstetrics
2011-	Australian and New Zealand Journal of Obstetrics and Gynecology
2014-	European Journal of Obstetrics & Gynecology and Reproductive Biology

Honors and Prizes:

1999-2002	Outstanding Performance CREOG examination	Baylor College of Medicine
2001	Medical Student Educator of the Year	Baylor College of Medicine
2002	Resident of the Year	Baylor College of Medicine
2002	Educational Grant	American Scandinavian Foundation
2002	Medical Student Educator of the Year	Baylor College of Medicine
2002	Highest Score, ABOG written exam	Baylor College of Medicine
2003	Educational Award	National Bank of Iceland
2003	Berlex Faculty Development Award	Berlex Foundation
2005	Educational Award	Nordic Federation of Ob/Gyn
2008	Excellence in Clinical Innovation, <i>Nominated</i>	Brigham and Women's Hospital
2009	Gynecology Video – Barbed Suture <i>Honorable Mention</i>	Society of Laparoendoscopic Surgeons
2009	Top Gun Laparoscopic Skills <i>1st place</i>	Society of Laparoendoscopic Surgeons

2009	Best New Instrumentation, 3 rd place	American Association of Gynecologic Laparoscopists
2010	Excellence in Clinical Innovation, <i>Nominated</i>	Brigham and Women's Hospital
2011	Golden Laparoscope Award 1 st place	American Association of Gynecologic Laparoscopists
2011	Kurt Semm Award 1 st place	American Association of Gynecologic Laparoscopists
2011	Partners in Excellence Award	Brigham and Women's Hospital
2011	Outstanding Harvard Medical Student Ob/Gyn Faculty Teaching Award	Brigham and Women's Hospital
2012	Harvard Medical School Excellence In Mentoring Award - <i>nominated</i>	Brigham and Women's Hospital
2012	Best Video on Reproductive Issues	American Association of Gynecologic Laparoscopists
2012	Robert Hunt Award – Best scientific Paper published in JMIG 2011-12	American Association of Gynecologic Laparoscopists
2013	Honorary Professor	Xian Jiaotong University, China
2013	Visiting Professor	EITS, Taiwan
2014	Visiting Professor	Washington State University

REPORT OF FUNDED AND UNFUNDED PROJECTS

Funding Information:

Past funding

2001	Houston Gyn Society <i>The main goal was to examine whether a relatively short exposure to partner's semen increases the risk of preeclampsia.</i>	PI	Immunology of preeclampsia
2004	Landspitali-Research fund <i>The major goal was to examine whether high dose of Vitamin C would reduce pain in patients with endometriosis.</i>	PI	Vitamin C and endometriosis
2006	Landspitali-Research fund <i>The main goal was to evaluate the use of autologous platelet gel as an enhancement to surgery for pelvic organ prolapse.</i>	PI	Platelet gel and prolapse

Present funding

2007-	Eleanor and Miles Shore Scholar PI	Laparoscopic Hysterectomy Total Direct Cost \$25000
2008-	BWH Ob/Gyn Expanding Boundaries PI	Uterine Manipulator Total Direct Cost \$7500
2009-	BWH Ob/Gyn Expanding Boundaries PI	Laparoscopic Morcellator Total Direct Cost \$8000
2009-	BWH Ob/Gyn Expanding Boundaries	Laparoscopic myomectomy

2010-	PI BWH Ob/Gyn Expanding Boundaries	Total Direct Cost \$4500 Uterine Manipulator
2010-	PI Angiotech Educational Grant	Total Direct Cost \$8000 Barbed suture adhesion study
2011-	PI BWH Ob/Gyn Expanding Boundaries	Total Direct Cost \$30000 Vasopressin for myomectomy
	PI	Total Direct Cost \$5008

Current Unfunded Projects:

2010-	Pregnancy outcomes following a laparoscopic cerclage <i>A retrospective multicenter analysis of pregnancy outcomes after a laparoscopic cerclage placement</i>
2010-	Laparoscopic vs open cerclage - comparison of cost and perioperative outcomes <i>A retrospective analysis at a single institution</i>
2011-	Pregnancy Outcomes Following Laparoscopic Myomectomy with Barbed Suture <i>Retrospective study examining pregnancy outcomes following hysterotomy closure with barbed suture</i>
2011-	Hysterectomy outcomes based on surgeon volume <i>A retrospective analysis examining the potential differences in perioperative outcomes between high volume and low volume gynecologic surgeons</i>
2011-	Retrospective analysis of joint urogynecology and minimally invasive surgery approach to the repair of pelvic organ prolapse <i>A retrospective analysis examining perioperative outcomes in joint surgical patients with urogynecology and minimally invasive gynecologic surgery</i>
2011-	Vasopressin administration during laparoscopic myomectomy: a randomized controlled trial. <i>A randomized trial comparing two strengths of vasopressin for hemostasis during laparoscopic myomectomy.</i>
2012-	Laparoscopy vs robotic surgery for endometriosis (LAROSE): a randomized controlled trial. <i>Randomized clinical trial comparing perioperative outcomes for traditional laparoscopy or robotic treatment of endometriosis.</i>
2012-	Randomized trial comparing vaginal hysterectomy to laparoscopic supracervical hysterectomy with vault suspension for symptomatic uterine prolapse. <i>Comparing perioperative and medium term outcomes between a vaginal and laparoscopic approach to apical prolapse repair.</i>
2012-	Vaginal cuff dehiscence: effect of route of hysterectomy, colpotomy and closure technique. <i>Evaluating potential etiologies for cuff dehiscence at hysterectomy</i>

REPORT OF LOCAL TEACHING AND TRAINING

Teaching of Students in Courses:

Baylor College of Medicine Medical School

2002, 03, 04	Endometriosis, An Overview <i>25-30 medical students</i>	<i>6 hour preparation and contact time</i>
2002, 03, 04	Endometrial Ablation, A Review of Different Techniques	

	25-30 medical students	6 hours preparation and contact time
2002, 03, 04	Practical Pelvic Anatomy 25-30 medical students	6 hours preparation and contact time
2002, 03, 04	Writing and Presenting Manuscripts 25-30 medical students	6 hours preparation and contact time

Landspitali- University Hospital

2004, 05, 06	Use of Laparoscopy in Gynecological Surgery 15-20 medical students	6 hours preparation and contact time
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Formal Teaching of Residents:

Brigham and Women's Hospital

2009-	Lecture	Use of Electrosurgery in Laparoscopic Surgery 20-25 Ob/Gyn Residents	6 hours prep and contact time
2009-	Lecture	Avoiding Complications in Laparoscopic Surgery 20-25 Ob/Gyn Residents	6 hours prep and contact time
2009-	Lecture	Laparoscopic Suturing – Tips And Tricks 20-25 Ob/Gyn Residents	6 hours prep and contact time

Clinical Supervisory and Training Responsibilities:

2004-6	Supervision in outpatient clinic and OR Landspitali-University Hospital	1-2 medical students 8 hrs per week
2006-	Supervision in outpatient clinic and OR Brigham and Women's Hospital	1-2 medical students 8 hrs per week
2006-	Supervision in OR Brigham and Women's Hospital	2-3 Ob/Gyn residents 16-24 hours per week
2008-	Supervision in outpatient clinic and OR Brigham and Women's Hospital	1 MIGS fellow 25-32 hours per week
2007-	Supervision in OR Brigham and Women's Hospital	1-2 Ob/Gyn attendings 4-16 hours per week
2008-13	Supervision in OR South Shore Hospital	1-2 Ob/Gyn attendings 16 hours per month

Research Supervisory and Training Responsibilities:

2004-6	Supervision of resident research project	1 Ob/Gyn resident
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	Landspítali-University Hospital	4 hours per week
2008-	Supervision of fellow research projects Brigham and Women's Hospital	1 MIGS fellow 8 hours per week

Formally Supervised Trainees:

2008-10	Yoko Suzuki MD <i>Dr. Suzuki was our first Fellow in Minimally Invasive Gynecologic Surgery and was active in clinical research which resulted in several presentations at national and international meetings. She is currently in private practice in California.</i>
2009	Thomas T. Vellingam BSc <i>Mr. Vellinga was a research associate in the MIGS Division and worked actively on a number of research projects under my supervision, which resulted in several publications. He is currently an MD practicing further medical training in his native Holland.</i>
2009	Niraj Chavan MD <i>Dr Chavan was a research associate in the MIGS Division and contributed significantly to a variety of research projects, including a series of studies examining mode of access for hysterectomy, resulting in several publications. Dr. Chavan is currently an Ob/Gyn Resident in New York City.</i>
2010	Gudrun Maria Jonsdottir BSc <i>Ms. Jonsdottir was a research associate in the MIGS Division and received practical training in clinical research methodology as well as collaborating on active research projects under my supervision, resulting in several publications. She is currently an MD pursuing further training in her native Iceland.</i>
2010-2	Sarah Cohen MD <i>Dr. Cohen was our fellow in Minimally Invasive Gynecologic Surgery. She instigated her own research projects under my supervision on surgical outcomes for uterine fibroids and is an active contributor on a number of other research projects. She presented her work at national meetings.</i>
2010	Florentien Vree MD <i>Dr. Vree is a research associate in the MIGS Division and has been receiving practical training in clinical research methodology. She is contributing to a number of clinical research projects, including a series of studies involving cervical incompetence and laparoscopic cerclage, in collaboration with researchers in the Netherlands.</i>
2011	Evelien Sandberg MD <i>Dr. Sandberg is a research associate in the MIGS Division and has been receiving practical training in clinical research methodology. She is contributing to a number of clinical research projects.</i>
2012	Olga Tusheva <i>Ms. Tusheva is a research associate in the MIGS Division and has been receiving practical training in clinical research methodology. She is contributing to a number of clinical research projects.</i>
2012-14	Elmira Manoucheri MD <i>Dr. Manoucheri was our fellow in Minimally Invasive Gynecologic Surgery. She is already actively participating on several research projects.</i>
2013-14	Noga Fuchs Weizman MD <i>Dr. Weizman is a research associate in the MIGS Division and has been receiving practical training in clinical research methodology. She is contributing to a number of clinical research projects.</i>
2014-	Luiz Gustavo Oliveira Brito MD PhD

Dr. Brito is a research associate in the MIGS Division and has been receiving practical training in clinical research methodology. He is contributing to a number of clinical research projects.

- 2014 Nieck Pouwels
Mr. Pouwels is a research associate in the MIGS Division and has been receiving practical training in clinical research methodology. He is contributing to a number of clinical research projects
- 2014- Emily Rose Goggins
Ms. Goggins is a research associate in the MIGS Division and has been receiving practical training in clinical research methodology. She is contributing to a number of clinical research projects
- 2015- Elsemieke Meurs
Ms. Meurs is a research associate in the MIGS Division and has been receiving practical training in clinical research methodology. She is contributing to a number of clinical research projects

Formal Teaching of Peers (e.g., CME and other continuing education courses):

None of these lectures were sponsored by outside entities

- 2008 Lecture *Update in Minimally Invasive Gynecologic Surgery: Latest Trends.*
 45th Annual Update in Obstetrics and Gynecology Brigham and Women’s Hospital / Harvard Medical School. Boston MA
- 2009 Lecture *Laparoscopic Hysterectomy, Tips and Tricks.*
 Moderator *Laparoscopic Suturing Workshop*
 46th Annual Update in Obstetrics and Gynecology Brigham and Women’s Hospital / Harvard Medical School. Boston MA
- 2009 Lecture *Laparoscopic Hysterectomy.*
 Lecture *Avoiding Complications in Laparoscopic Surgery*
 Lecture *Laparoscopic Myomectomy.*
 Moderator *Laparoscopic Suturing Workshop*
 Telesurgery *Total Laparoscopic Hysterectomy.*
 1st Harvard Update in Minimally Invasive Gynecologic Surgery. Boston, MA.
- 2010 Lecture *Laparoscopic Hysterectomy, Tips and Tricks.*
 Moderator *Laparoscopic Suturing Workshop*
 47th Annual Update in Obstetrics and Gynecology sponsored by Brigham and Women’s Hospital and Harvard Medical School.
- 2010 Lecture *Laparoscopic Hysterectomy - Tips and Tricks.*
 Lecture *Avoiding Complications in Laparoscopy.*
 Lecture *Update in Electrosurgery*
 Lecture *Laparoscopic Myomectomy.*
 Lecture *Latest Gadgets – Equipment Review.*
 Telesurgery *Laparoscopic Myomectomy*
 Moderator *Laparoscopic Suturing Workshop*
 2nd Harvard Update in Minimally Invasive Gynecologic Surgery. Boston, MA.

2010	Lecture	<i>Laparoscopic Hysterectomy – Clinical Outcomes.</i> Reproductive Endocrinology and Infertility Speaker’s Series. Department of Obstetrics and Gynecology, Brigham and Women’s Hospital and Harvard Medical School.
2011	Lecture	<i>Laparoscopic Hysterectomy, Technique and Avoiding Complications.</i> Evening CME rounds. Department of Obstetrics and Gynecology South Shore Hospital
2011	Lecture Moderator	<i>Laparoscopic Hysterectomy, Tips and Tricks.</i> <i>Laparoscopic Suturing Workshop</i> 48 th Annual Update in Obstetrics and Gynecology sponsored by Brigham and Women’s Hospital and Harvard Medical School.
2011	Lecture Lecture Lecture Lecture Lecture Telesurgery Moderator	<i>Laparoscopic Hysterectomy – Basic and Advanced.</i> <i>Avoiding Complications in Laparoscopy.</i> <i>Laparoscopic Retroperitoneal Anatomy.</i> <i>Laparoscopic Myomectomy – Pearls and practical points.</i> <i>Introduction to suturing.</i> <i>Laparoscopic Total Hysterectomy</i> <i>Laparoscopic Suturing Workshop</i> 3 rd Harvard Update in Minimally Invasive Gynecologic Surgery. Boston, MA.
2012	Lecture Moderator	<i>Laparoscopic Hysterectomy, Step by step</i> <i>Laparoscopic Suturing Workshop</i> 49 th Annual Update in Obstetrics and Gynecology sponsored by Brigham and Women’s Hospital and Harvard Medical School.
2012	Lecture Lecture Lecture Lecture Lecture Moderator	<i>Laparoscopic Hysterectomy – Basic</i> <i>Avoiding Complications in Laparoscopy</i> <i>Laparoscopic Retroperitoneal Anatomy</i> <i>Laparoscopic Myomectomy – Pearls and practical points</i> <i>Strategy in Endometriosis Surgery</i> <i>Laparoscopic Suturing Workshop</i> 4 th Harvard Update in Minimally Invasive Gynecologic Surgery. Boston, MA
2013	Lecture Moderator	<i>Managing Complications in Laparoscopic Surgery</i> <i>Laparoscopic Hysterectomy Workshop</i> 50 th Annual Update in Obstetrics and Gynecology sponsored by Brigham and Women’s Hospital and Harvard Medical School.
2014	Lecture Moderator	<i>Laparoscopic treatment of severe endometriosis</i> <i>Laparoscopic Myomectomy Workshop</i> 51 th Annual Update in Obstetrics and Gynecology sponsored by Brigham and Women’s Hospital and Harvard Medical School.
2015	Lecture	<i>Laparoscopic prevention and management of complications</i>

Moderator *Laparoscopic myomectomy and tissue extraction Workshop*
52th Annual Update in Obstetrics and Gynecology sponsored by
Brigham and Women's Hospital and Harvard Medical School.

Local Invited Presentations:

Landspítali-University Hospital. Reykjavik, Iceland

2005 Lecture *Current Management of Stress Urinary Incontinence.*

2006 Lecture *Anesthesia during Laparoscopic Surgery, Optimizing Patient*

2006 Lecture *Minimally Invasive Gynecological Surgery, an Update.*

Brigham and Women's Hospital

2006 Lecture *Minimally Invasive Hysterectomy.*
Department of Obstetrics and Gynecology

2007 Grand Rounds *Minimally Invasive Gynecologic Surgery.*
Department of Obstetrics and Gynecology

2008 Grand Rounds *Complications in Laparoscopy and Hysteroscopy.*
Department of Obstetrics and Gynecology

2009 Grand Rounds *Minimally Invasive Treatment of Uterine Fibroids.*
Department of Obstetrics and Gynecology

2009 Grand Rounds *Laparoscopic Radical Hysterectomy in India.*
Department of Obstetrics and Gynecology

2010 Grand Rounds *Laparoscopic Abdominal Cerclage.*
Department of Obstetrics and Gynecology

2012 Grand Rounds *Laparoscopic Treatment of Severe Endometriosis*
Department of Obstetrics and Gynecology

2014 Grand Rounds *3 D Laparoscopy*
Department of Obstetrics and Gynecology

Other Local

2009 Lecture *Preoperative Considerations.*
Fundamentals of Laparoscopic Surgery Patient Safety Incentive
Program, Beth Israel Deaconess Medical Center. Boston MA

2009 Lecture *Laparoscopic Hysterectomy vs Minimally Invasive Uterine*
Conserving Surgery. Partners Physicians Day. Boston, MA

2013 Grand Rounds *Prevention and management of laparoscopic complications.*
Boston Medical Center. Boston, MA.

REPORT OF REGIONAL, NATIONAL AND INTERNATIONAL INVITED TEACHING AND PRESENTATIONS

Regional

- 2007 Grand Rounds *Minimally Invasive Approach to Hysterectomy.*
Charlton Memorial Hospital. Fall River, MA
- 2007 Grand Rounds *Complications in Minimally Invasive Gynecologic Surgery.*
Department of Obstetrics and Gynecology, South Shore Hospital. Weymouth, MA
- 2008 Lecture *Should All Hysterectomies be Laparoscopic?*
Annual Mt Auburn Women's Health Issues. Waltham, MA
- 2008 Lecture *Laparoscopic Hysterectomy.*
American Congress of Obstetricians and Gynecologists District I meeting. Brewster, MA.
- 2009 Grand Rounds *Laparoscopic Abdominal Cerclage as a New Alternative for the Treatment of Cervical Insufficiency.*
Department of Obstetrics and Gynecology, Boston Medical Center. Boston MA
- 2009 Grand Rounds *Minimally Invasive Treatment of Uterine Fibroids.*
Department of Obstetrics and Gynecology, South Shore Hospital. Weymouth, MA
- 2014 Grand Rounds *Laparoscopic Hysterectomy.* Cambridge Hospital, Cambridge MA

National

- 2001 Lecture *Perceived Proficiency in Laparoscopic Surgery Amongst Senior Obstetrics and Gynecology Residents.*
30th Annual World Congress, American Association of Gynecologic Laparoscopists. San Francisco, CA
- 2005 Lecture *Surgical Repair of Apical Prolapse.*
Icelandic Medical Association Meeting. Reykjavik, Iceland
- 2006 Lecture *Laparoscopic Transection of TVT due to Urinary Retention.*
35th Annual World Congress, American Association of Gynecologic Laparoscopists. Las Vegas, NV
- 2007 Grand Rounds *Complications in Laparoscopy and Hysteroscopy.*
University of Buffalo Medical School. Buffalo, NY
- 2008 Lecture *Bidirectional Barbed suture for laparoscopic myomectomy.*

	Lecture	<i>Perceived proficiency in endoscopy among senior ob/gyn residents, an update.</i>
	Video	<i>Laparoscopic uterine artery occlusion with myomectomy.</i>
	Video	<i>Laparoscopic myomectomy and abdominal cerclage.</i>
	Video	<i>Laparoscopic hysterectomy in the setting of a large intracervical fibroid.</i>
	Video	<i>Laparoscopic hysterectomy. Practical tips for challenging cases.</i> 37 th Annual World Congress, American Association of Gynecologic Laparoscopists. Las Vegas, NV
2009	Lecture	<i>Complications of Laparoscopic Surgery.</i>
	Lecture	<i>Understanding and Optimizing Your Energy Sources in Minimally Invasive Surgery.</i> Hands-On Laparoscopic Techniques in Advanced Gynecologic Surgery. 57 th Annual Clinical Meeting, American Congress of Obstetricians and Gynecologists. Chicago IL
2009	Lecture	<i>Use of Bidirectional Barbed Suture in Gynecologic Laparoscopy.</i> Society of Laparoendoscopic Surgeons Annual Meeting. Boston, MA.
2009	Lecture	<i>Use of Barbed Suture in Minimally Invasive Gynecology.</i>
	Lecture	<i>Laparoscopic Suturing - Clinical Applications.</i>
	Lecture	<i>The Use of Bidirectional Barbed Suture in Laparoscopic Myomectomy and Total Laparoscopic Hysterectomy: An Evaluation of Safety and Clinical Outcomes.</i>
	Lecture	<i>Minimally Invasive Hysterectomies – A Survey on Attitudes and Barriers among Practicing Gynecologists.</i>
	Video	<i>Laparoscopic Cerclage – Tips and Tricks from 17 Cases.</i>
	Video	<i>Tricky Situations in Gynecologic Laparoscopy.</i>
	Moderator	<i>Hysterectomy with Sutures – Live Telesurgery</i>
	Moderator	<i>Laparoscopic Myomectomy, a Surgical Tutorial.</i>
	Moderator	<i>Use of Bidirectional Barbed Suture for Cuff Closure, Myomectomy Closure and other Laparoscopic Cases - Meet the Professors roundtable luncheon</i> 38 th Annual World Congress, American Association of Gynecologic Laparoscopists. Orlando, FL
2010	Lecture	<i>Laparoscopic Myomectomy, an Evolution of our Technique.</i> Society of Gynecologic Surgeons annual meeting. Tucson, AZ.
2010	Lecture	<i>Understanding and Optimizing Your Energy Sources in Minimally Invasive Surgery.</i>
	Lecture	<i>Complications of Laparoscopic Surgery.</i> Hands-On Laparoscopic Techniques in Advanced Gynecologic Surgery. American Congress of Obstetricians and Gynecologists 58 th Annual Clinical Meeting. San Francisco, CA
2010	Lecture	<i>The Case for Straight Stick Laparoscopy.</i>
	Lecture	<i>Retroperitoneal Side- wall Dissection.</i>

	Video	<i>Single Incision Laparoscopic Myomectomy.</i> 39 th Annual World Congress, American Association of Gynecologic Laparoscopists. Las Vegas, NV.
2011	Lecture Lecture	<i>A,B,C's of Laparoscopic Hysterectomy with Ultrasonic Devices</i> <i>Surgical Strategies for the Unexpected Difficult Case</i> Hands-On Laparoscopic Techniques in Advanced Gynecologic Surgery. American Congress of Obstetricians and Gynecologists 59 th Annual Clinical Meeting. Washington, DC.
2011	Lecture Lecture Telesurgery	<i>Principles of Peritoneal Access.</i> <i>Avoiding & Managing the Complications of Laparoscopic Surgery.</i> <i>Total Laparoscopic Hysterectomy.</i> AAGL Fellows Boot Camp. Celebration, Florida.
2011	Lecture Video Video Video Lecture	<i>Use of barbed suture in gynecologic laparoscopy</i> <i>Laparoscopic excision of deeply infiltrative endometriosis</i> <i>Laparoscopic myomectomy – tips and tricks</i> <i>Laparoscopic sacrocervicopexy – tips and tricks</i> <i>Barbed vs. standard suture: a randomized comparison of adhesion formation and ease of use</i> 40 th Annual World Congress, American Association of Gynecologic Laparoscopists. Hollywood, Florida.
2012	Lecture Lecture	<i>A new revolution of barbed sutures: Applications in pelvic surgery (Tips in laparoscopic myomectomy)</i> <i>Principles of electro-energy in laparoscopy and robotics</i> Mayo Clinic 23 rd Symposium on Minimally Invasive Pelvic Surgery. Scottsdale, AZ.
2012	Lecture	<i>Energy Sources & Hemostasis: Biophysics and Applications.</i> AAGL 21 st Annual Comprehensive Workshop on Minimally Invasive Gynecology for Residents and Fellows. Chicago, IL.
2012	Lecture Moderator Panelist	<i>Surgical Management of the Endometriosis Filled Pelvis.</i> <i>Live Telesurgery – Laparoscopic Hysterectomy</i> <i>Debate on the Role of Robotics in Gynecologic Surgery</i> International Society of Gynecologic Endoscopy (ISGE) Annual Meeting. Orlando, Florida
2012	Lecture	<i>Avoiding Complications in the Pelvis with Laparoscopic Surgery.</i> Minimally Invasive Gynecology/Urology Surgical Symposium. Atlanta, GA.
2012	Debate	<i>Cervix Removal at the Time of Sacral Colpopexy.</i> Minimally Invasive Gynecology/Urology Surgical Symposium. Atlanta, GA.
2012	Lecture	<i>Tips and Techniques to Becoming a Safe and Efficient Laparoscopic/Robotic Surgeon.</i> Minimally Invasive Gynecology/Urology Surgical Symposium. Atlanta, GA.
2012	Lecture	<i>NOTES Hysterectomy and Other Alternative Approaches.</i> 19 th Annual Gynecologic Surgery and Oncology Conference. Cambridge, MD.

2012	Lecture	<i>Laparoscopic Suturing and Vaginal Cuff Closure Techniques.</i> 19th Annual Gynecologic Surgery and Oncology Conference. Cambridge, MD.
2012	Lecture	<i>Laparoscopic management of uterine fibroids.</i> Hands-On Laparoscopic Techniques in Advanced Gynecologic Surgery. American Congress of Obstetricians and Gynecologists 60 th Annual Clinical Meeting. San Diego, CA
2012	Lecture	<i>Understanding energy and electrosurgery in gynecology.</i> 2 nd Annual Gynecology Conference. Carolinas Healthcare. Charlotte, NC.
2012	Lecture	<i>Principles of laparoscopic suturing and new techniques.</i> 2 nd Annual Gynecology Conference. Carolinas Healthcare. Charlotte, NC.
2012	Lecture	<i>Surgical pearls for laparoscopic myomectomy.</i> 2 nd Annual Gynecology Conference. Carolinas Healthcare. Charlotte, NC.
2012	Lecture	<i>Laparoscopic cuff closure using barbed vs braided suture, a randomized trial</i>
	Moderator	Live telesurgery – laparoscopic hysterectomy for a large uterus. 41 st Annual World Congress, American Association of Gynecologic Laparoscopists. Las Vegas, NV.
2012	Grand Rounds	<i>Prevention and management of laparoscopic complications.</i> Greater Baltimore Medical Center, Baltimore MD.
2012	Telesurgery	<i>Total laparoscopic hysterectomy with sidewall dissection.</i> Baylor College of Medicine, Houston TX.
2013	Grand Rounds	<i>Laparoscopic suturing and the impact of barbed sutures.</i> Winnie Palmer Hospital, Orlando FL.
2013	Lecture	<i>OASIS and alternative methods of laparoscopic surgery. Use of barbed sutures in gynecologic laparoscopy Laparoscopic Management of Severe endometriosis</i> 1 st annual joint MIGS course sponsored by Harvard, Cleveland Clinic and Mayo Clinic. Miami, Florida.
2013	Lecture	<i>The role of medical therapy after surgery.</i> 4 th annual scientific and surgical symposium of the Endometriosis Foundation of America. New York, NY.
2013	Lecture	<i>Laparoscopic complications – how to avoid and manage.</i> AAGL 22nd Annual Comprehensive Workshop on Minimally Invasive Gynecology for Residents and Fellows. Chicago, IL.
2013	Lecture	<i>Hysterectomy – Best Mode of Access?</i> AAGL 22nd Annual Comprehensive Workshop on Minimally Invasive Gynecology for Residents and Fellows. Chicago, IL.
2013	Lecture	<i>Cervical incompetence and laparoscopic cerclage.</i> AAGL 22nd Annual Comprehensive Workshop on Minimally Invasive Gynecology for Residents and Fellows. Chicago, IL.
2014	Lecture	<i>Laparoscopic management of complications.</i> 29 th Annual Dr. David Rothman resident research day, Washington University School of Medicine. St. Louis MO.
2014	Lecture	<i>Preventing and managing laparoscopic complications.</i> New England Obstetrics and Gynecologic Society 85 th Annual Spring Meeting. Sturbridge, MA
2014	Grand Rounds	<i>A critical review of robotic surgery – what is the evidence?</i> Christiana Care Health System. Newark, DE.

2014	Lecture	<i>The morcellation controversy.</i> Mayo Clinic Arizona Fellow's Research Day. Mayo Clinic Arizona.
2014	Lecture	<i>The morcellation controversy – what is next?</i>
	Telesurgery	<i>Laparoscopic treatment of severe endometriosis</i>
	Telesurgery	<i>Laparoscopic myomectomy</i>
	Telesurgery	<i>Laparoscopic total hysterectomy with in-bag morcellation</i>
		2 nd annual joint MIGS course sponsored by Harvard, Cleveland Clinic and Mayo Clinic. Boston, MA.
2014	Telesurgery	<i>Laparoscopic myomectomy.</i> ASRM meeting, Hawaii
2014	Telesurgery	<i>Laparoscopic management of stage IV endometriosis.</i> AAGL Global Conference, Vancouver Canada
2015	Lecture	<i>Morcellation complications: Prevention, Techniques for safe tissue extraction.</i>
	Lecture	<i>Laparoscopic excision of bowel endometriosis.</i>
	Lecture	<i>Tips and tricks for the efficient laparoscopic hysterectomy.</i>
		3rd annual joint MIGS course sponsored by Harvard, Cleveland Clinic and Mayo Clinic. Scottsdale, Arizona.

International

2004	Lecture	<i>Sperm Exposure and Development of Preeclampsia.</i> 4 th International Workshop on Reproductive Immunology Immunological Tolerance and Immunology of Preeclampsia. Groupe Hospitalier Sud-Reunion-GHSR. Reunion Island, France
2008	Lecture	<i>Endoscopy Training in USA.</i>
	Lecture	<i>Complications in Laparoscopy.</i>
	Lecture	<i>Is Robotic Total Laparoscopic Hysterectomy the Way Forward?</i> Norwegian Endoscopic Society International Gynecologic Endoscopy Meeting. Kvitfjell, Norway
2008	Lecture	<i>Pre-signs of a Complication: Tips, Tricks and Pitfalls.</i>
	Moderator	<i>Laparoscopic Hysterectomy</i>
	Moderator	<i>Laparoscopic Hysterectomy (live telesurgery).</i> 17 th Annual Congress of the European Society for Gynaecological Endoscopy. Amsterdam, Holland
2009	Keynote Address	<i>Laparoscopic Hysterectomy, Tips and Tricks.</i> Mumbai Obstetrics and Gynecology Society. Mumbai, India
2009	Video	<i>Laparoscopic Cerclage – Tips and Tricks from 17 Cases.</i>
	Video	<i>Total Laparoscopic Hysterectomy with 'Port Hopping'.</i>
	Video	<i>Laparoscopic Resection of Infected Sacrocolpopexy Mesh.</i> 18 th Annual Congress of the European Society for Gynecologic Endoscopy. Florence, Italy.
2009	Key Note Address	<i>Use of Barbed Suture in Gynecologic Laparoscopy and an Update in Single Incision Surgery.</i>
	Moderator	<i>Live Workshop on Advanced Endoscopy.</i>
	Telesurgery	<i>Single Port Total Laparoscopic Hysterectomy and Bilateral Salpingoophorectomy.</i>

	Telesurgery	<i>Laparoscopic Myomectomy Using Barbed Suture.</i> Indian Medical Association of Gynecologic Endoscopic Surgery (IMAGES). 3 rd International Live Workshop on Advanced Endoscopy. Kochi, India
2010	Lecture Lecture Lecture	<i>Laparoscopic Myomectomy.</i> <i>Complications in Laparoscopy.</i> <i>The Use of Cerclage, Indications, Technique and Results.</i> Norwegian Ministry of Foreign Affairs. International Congress in Gynecology and Obstetrics in Jericho. Jericho, Palestinian Territories.
2010	Lecture Lecture Lecture Moderator Telesurgery Telesurgery Telesurgery	<i>Myoma Associated Infertility.</i> <i>Hysterectomy Trends.</i> <i>Surgical Management of Severe Endometriosis.</i> <i>Laparoscopic Suturing Workshop</i> <i>Laparoscopic Myomectomy.</i> <i>Laparoscopic Total Hysterectomy.</i> <i>Laparoscopic Myomectomy.</i> 43 rd Annual Academic Session. Sri Lanka College of Obstetricians and Gynecologists. Colombo, Sri Lanka
2010	Telesurgery Telesurgery Telesurgery	<i>Laparoscopic Single Incision Total Hysterectomy.</i> <i>Laparoscopic Myomectomy and Resection of Endometriosis.</i> <i>Hysteroscopic Sterilization.</i> All India Coordination Committee for Royal College of Obstetrics and Gynecology. International Workshop on Recent Advances in Gynecological Endoscopy. Kolkata, India.
2010	Lecture Lecture Video	<i>Use of Barbed Suture in Gynecologic Laparoscopy.</i> <i>Prospective comparison of Post-Operative Quality of Life Following Total Laparoscopic Hysterectomy versus Laparoscopic Supracervical Hysterectomy.</i> <i>Laparoscopic Myomectomy, Tips and Tricks.</i> 19 th Annual Congress of the European Society of Gynecological Endoscopy. Barcelona, Spain
2011	Lecture Lecture Lecture	<i>Innovations in Gynecological Laparoscopy – Robotics, Single Port, Hand Ports.</i> <i>Avoiding and Managing Laparoscopic Complications.</i> <i>Cervical Incompetence/Laparoscopic Cerclage.</i> Ministry of Healthcare and Social Development of Russia. 5th International Congress on Reproductive Medicine. Moscow, Russia.
2011	Lecture Lecture	<i>Laparoscopic Hysterectomy at Harvard University: an update and a critical appraisal of surgical novelties.</i> <i>A robot in daily practice for hysterectomy: cost effectiveness analysis and what about the alternatives?</i> 9 th Annual Congress of the Dutch Society for Endoscopic Surgery (NVEC). Leiden, Holland

2011	Lecture	<i>Innovations in Laparoscopic Surgery.</i>
	Lecture	<i>Single Port Surgery. Is It a Step Forward? (Keynote Address)</i>
	Lecture	<i>Laparoscopic Hysterectomy in Extensive Endometriosis.</i>
	Telesurgery	<i>Orifice Assisted Small Incision Surgery (OASIS) Hysterectomy.</i>
		International Annual Conference of the Indian Association of Gynaecological Endoscopists (IAGE). Pune, India.
2011	Lecture	<i>Cervical Incompetence and Laparoscopic Cerclage.</i>
	Lecture	<i>Innovations in Gynecological Laparoscopy – Robotics, Single Port, Hand Ports.</i>
	Lecture	<i>Laparoscopic Management of Pelvic Organ Prolapse.</i>
	Telesurgery	<i>Laparoscopic Myomectomy and Resection of Endometriosis.</i>
	Telesurgery	<i>Laparoscopic Resection of Stage 4 Endometriosis.</i>
	Telesurgery	<i>Laparoscopic Sacrocervicopexy and Excision of Mesh.</i>
		XXIV International Congress of New Technologies for Diagnosis and Treatment of Gynecologic Diseases. Moscow, Russia.
2011	Video	<i>Laparoscopic treatment of severe endometriosis.</i>
	Video	<i>Laparoscopic sacrocervicopexy – tips and tricks.</i>
	Video	<i>Sacrohysteropexy – a novel approach.</i>
	Video	<i>Orifice assisted small incision surgery (OASIS).</i>
	Lecture	<i>Laparoscopic cerclage and cervical incompetence.</i>
	Moderator	<i>Obstetrics and Pediatrics Related Endoscopy.</i>
	Lecture	<i>When is the ureter at risk? Prevention and/or negligence?</i>
		20 th Annual Congress of the European Society of Gynecological Endoscopy. London, England.
2011	Lecture	<i>Doing more with LESS: feasibility in benign cases.</i>
		1 st EndoGyn Annual Meeting in Gynecologic Endoscopy. Noordwijk, Holland.
2011	Lecture	<i>Laparoscopic cerclage and cervical incompetence.</i>
		New Technologies in Endoscopy. From embryonic cells to menopause. Saint-Luc University Hospital. Brussels, Belgium.
2012	Lecture	<i>Tips and tricks for performing laparoscopic hysterectomy.</i>
		XXVIII Central-American Congress of Obstetrics and Gynecology. San Jose, Costa Rica.
2012	Lecture	<i>Laparoscopic management of pelvic endometriosis.</i>
		XXVIII Central-American Congress of Obstetrics and Gynecology. San Jose, Costa Rica.
2012	Lecture	<i>Minimally invasive management of uterine fibroids.</i>
		XXVIII Central-American Congress of Obstetrics and Gynecology. San Jose, Costa Rica.
2012	Lecture	<i>Laparoscopic hysterectomy, tips and tricks.</i>
		The First National Congress of Minimally Invasive Surgery in Gynecology and the 8 th International Congress of AAGL. Bucharest, Romania.

2012	Lecture	<i>Laparoscopic management of uterine fibroids.</i> The First National Congress of Minimally Invasive Surgery in Gynecology and the 8 th International Congress of AAGL. Bucharest, Romania.
2012	Lecture	<i>Use of barbed suture in gynecologic laparoscopy.</i> The First National Congress of Minimally Invasive Surgery in Gynecology and the 8 th International Congress of AAGL. Bucharest, Romania.
2012	Lecture	<i>Cervical incompetence and laparoscopic cerclage.</i> The First National Congress of Minimally Invasive Surgery in Gynecology and the 8 th International Congress of AAGL. Bucharest, Romania.
2012	Lecture	<i>Techniques for bladder endometriosis.</i> Current techniques in the treatment of severe endometriosis. IRCAD/EITS. Strasbourg, France.
2012	Lecture	<i>Barbed vs. standard suture: a randomized trial for laparoscopic vaginal cuff closure.</i>
	Lecture	<i>Orifice assisted small incision surgery: limitations and advantages.</i>
	Video	<i>Laparoscopic cerclage after a trachelectomy.</i> 21 st Annual Congress of the European Society of Gynecological Endoscopy. Paris, France.
2012	Lecture	<i>Urological lesions in TLH.</i> 2 nd EndoGyn Annual Meeting in Gynecologic Endoscopy. Noordwijk, Holland.
2013	Lecture	<i>Port placement.</i> 9 th International Congress of AAGL. Cape Town, South Africa.
2013	Lecture	<i>Managing complications in laparoscopic surgery.</i> 9 th International Congress of AAGL. Cape Town, South Africa.
2013	Lecture	<i>The AAGL position statement on robotic surgery – the current status and financial impact.</i> 9 th International Congress of AAGL. Cape Town, South Africa.
2013	Lecture	<i>Laparoscopic cerclage and cervical incompetence.</i> 9 th International Congress of AAGL. Cape Town, South Africa.
2013	Lecture	<i>Laparoscopic hysterectomy, tips and tricks.</i> 9 th International Congress of AAGL. Cape Town, South Africa.
2013	Lecture	<i>Laparoscopic retroperitoneal anatomy.</i> 9 th International Congress of AAGL. Cape Town, South Africa.
2013	Lecture	<i>Robotic surgery in benign gynecology</i>
	Lecture	<i>Role of medical management after laparoscopic surgery for endometriosis</i>
	Lecture	<i>Laparoscopic myomectomy – tips and tricks</i>
	Telesurgery	<i>Laparoscopic Myomectomy</i>
	Telesurgery	<i>Laparoscopic Resection of Stage 4 Endometriosis.</i> XXVI International Congress of New Technologies for Diagnosis and Treatment of Gynecologic Diseases. Moscow, Russia.
2013	Lecture	<i>Laparoscopic management of complications.</i>
	Lecture	<i>Laparoscopic hysterectomy – tips and tricks</i>
	Telesurgery	<i>Total laparoscopic hysterectomy</i>
	Telesurgery	<i>Total laparoscopic hysterectomy</i> AAGL 2013 International Xian Meeting and 9 th Xian National Gynecologic Endoscopic Conference. Xian, China.

2013	Lecture	<i>Use of barbed suture in gynecologic laparoscopy.</i> 22nd Annual Congress of the European Society of Gynecological Endoscopy. Berlin, Germany.
2013	Lecture	<i>Development of a laparoscopic approach in gynecology.</i> 4 th annual meeting of the Dutch Society of Endoscopy. Amsterdam, Holland.
2013	Lecture	<i>How to avoid complications at hysterectomy</i>
	Lecture	<i>Does barbed suture work?</i>
	Lecture	<i>Myomectomy; techniques, principles, variations: difficult cases</i>
	Lecture	<i>Adnexal masses, technical principles</i>
	Lecture	<i>Laparoscopic entry complications</i>
	Lecture	<i>Robotic surgery: current role and future challenges</i>
		Advanced Techniques in Operative Gynecological Endoscopy. IRCAD Taiwan. Taichung, Taiwan
2013	Lecture	<i>Challenging TLH.</i> 3 rd EnGyn Europe Meeting. Amsterdam, Holland.
2014	Lecture	<i>Laparoscopic hysterectomy, step wise approach.</i>
	Lecture	<i>Entry complications</i>
	Lecture	<i>Laparoscopic myomectomy, technique principles</i>
		Advanced techniques in operative gynecological endoscopy. IRCAD Brazil, Barretos, Brazil.
2014	Lecture	<i>Laparoscopic treatment of severe endometriosis</i>
	Lecture	<i>The morcellation controversy – next steps</i>
	Telesurgery	<i>Total laparoscopic hysterectomy for large fibroids</i>
	Telesurgery	<i>Total laparoscopic hysterectomy for endometriosis</i>
		AAGL 2014 International Xian Meeting and 10 th Xian National Gynecologic Endoscopic Conference. Xian, China.
2014	Lecture	<i>What is the evidence supporting robotic surgery in benign gynecology?</i>
	Moderator	<i>Live telesurgery – Laparoscopic myomectomy</i>
		23 rd Annual Congress of the European Society of Gynecological Endoscopy. Brussels, Belgium.
2015	Lecture	<i>Laparoscopic myomectomy – tips and tricks</i>
	Lecture	<i>Laparoscopic management of complications</i>
	Lecture	<i>Contained tissue extraction</i>
	Lecture	<i>Critical review of robotic surgery in benign gynecology</i>
		18 th Annual Gynecological Endoscopy Course. Lisbon, Portugal
2015	Lecture	<i>Laparoscopic suturing and cuff closure</i>
	Lecture	<i>Laparoscopic tissue extraction</i>
	Lecture	<i>The future of gynecologic surgery (keynote)</i>
		Oslo International Endoscopic Meeting, Norefjell Norway

REPORT OF CLINICAL ACTIVITIES AND INNOVATIONS

Current Licensure and Certification:

1996-	Icelandic Medical License
2002-	Texas Medical License
2002-	Icelandic Specialist License in Obstetrics and Gynecology

2005- American Board of Obstetrics and Gynecology (ABOG) Certification
 2006- Massachusetts Medical License

Practice Activities:

Minimally Invasive Gynecologic Surgery

2004-6	Outpatient clinic	Landspitali-University Hospital	2-4 sessions per week
2004-6	Operating room	Landspitali-University Hospital	4-6 sessions per week
2006-	Outpatient clinic	Brigham and Women’s Hospital	2-4 sessions per week
2006-	Operating room	Brigham and Women’s Hospital	4-6 sessions per week
2007-	Operating room	Faulkner Hospital	2-4 sessions per week
2008-13	Outpatient clinic	South Shore Hospital	1 session per month
2008-13	Operating room	South Shore Hospital	2-4 sessions per month

Clinical Innovations:

1. Minimally invasive treatment of fibroids – I have been offering and developing novel approaches to fibroid treatment, including laparoscopic uterine artery occlusion in conjunction with myomectomy as well as vaginal occlusion of the uterine arteries as a non-invasive treatment of uterine fibroids.
2. I was the first to report the novel use of a Bidirectional Barbed Suture as an application for wound closure in gynecologic laparoscopy, specifically for closure during laparoscopic myomectomies and total laparoscopic hysterectomies. This is also being actively developed for application in gynecologic prolapse surgery in our division.
3. I am developing a novel method of single port access which involves using the vagina as the optical access port. This is a hybrid procedure, combining NOTES (Natural Orifice Trans Endoluminal Surgery) and single port surgery. We have coined a unique term for this concept – Orifice Assisted Single Incision Surgery (OASIS).

REPORT OF TECHNOLOGICAL / SCIENTIFIC INNOVATIONS

1. I have developed a novel laparoscopic uterine manipulator. A patent application has been filed. This device is designed to greatly facilitate the performance of laparoscopic hysterectomies and other minimally invasive procedures.
2. I am working on the development of a novel laparoscopic tissue extractor in conjunction with a Harvard engineering team. Patent application has been filed.

3. I have designed a novel mesh-fastening device. Patient application has been filed.
4. I am developing unique bag system for in bag morcellation. Patent application has been filed.

EDUCATION OF PATIENTS / SERVICE TO COMMUNITY

Recognition:

2010-	Top Doctors of Boston – Boston Magazine
2010-	Best Doctors of America (www.bestdoctors.com)
2010-	Patients' Choice Award
2011-	Top Doctor (top 1%) - U.S News and World Report
2012	America's Top Ob/Gyns – Consumer's research council of America

REPORT OF SCHOLARSHIP

Peer reviewed publications in print or other media:

Research investigations:

1. **Einarsson JI**, Young A, Tsien L, Sangi-Haghpeykar H. Perceived proficiency in laparoscopic techniques among senior obstetrics and gynecology residents. *J Am Assoc Gynecol Laparosc* 2002; 9(2):158-164.
2. **Einarsson JI**, Sangi-Haghpeykar H, Gardner MO. Sperm exposure and development of preeclampsia. *Am J Obstet Gynecol* 2003; 188(5):1241-43.
3. **Einarsson JI**, Timmins A, Young AE, Zurawin RK. Does a minimally invasive surgery fellowship impact surgical experience among gynecology residents? *J Am Assoc Gynecol Laparosc* 2004; 11(4):464-6.
4. **Einarsson JI**, Sun J, Orav J, Young AE. Local analgesia in laparoscopy: a randomized trial. *Obstet Gynecol* 2004; 104(6):1335-9.
5. **Einarsson JI**, Heno G, Young AE. Topical analgesia for endometrial biopsy, a randomized controlled trial. *Obstet Gynecol* 2005; 106(1):128-30.
6. Ghomi A, Littman P, Prasad A, **Einarsson JI**. Assessing the learning curve for laparoscopic supracervical hysterectomy. *JSL* 2007; 11(2):190-4.
7. **Einarsson JI**, Audbergsson BO, Thorsteinsson A. Scopolamine for prevention of postoperative nausea in gynecologic laparoscopy, a randomized trial. *J Minim Invasive Gynecol* 2008 Jan-Feb;15(1):26-31.

8. Ghomi A, Makhlouf F, Kasturi S, **Einarsson JI**. Intramyometrial injection of vasopressin in laparoscopic supracervical hysterectomy. *J Minim Invasive Gynecol* 2008 Mar-Apr; 15(2):197-201.
9. Greenberg JA, **Einarsson JI**. The use of bidirectional barbed suture in laparoscopic myomectomy and total laparoscopic hysterectomy. *J Minim Invasive Gynecol* 2009; 15(5):621-3.
10. **Einarsson JI**, Jonsdottir K, Mandle R. Use of autologous platelet gel in female pelvic organ prolapse surgery: a feasibility study. *J Minim Invasive Gynecol* 2009 Mar-Apr; 16(2):204-7.
11. **Einarsson JI**, Sangi-Haghpeykar H. Perceived proficiency in minimally invasive surgery among senior ob/gyn residents. *JLS* 2009; 13(4):473-8.
12. **Einarsson JI**, Matteson KA, Schulkin J, Chavan NR, Sangi-Haghpeykar H. Minimally invasive hysterectomies – a survey on attitudes and barriers among practicing gynecologists. *J Minim Invasive Gynecol*. 2010; 17(2):167-75.
13. Parker WH, **Einarsson JI**, Istre O, Dubuisson JB. Risk factors for uterine rupture after laparoscopic myomectomy. *J Minim Invasive Gynecol*. 2010; 17(5):551-4.
14. **Einarsson JI**, Chavan NR, Suzuki Y, Jonsdottir G, Vellinga TT, Greenberg JA. Use of bidirectional barbed suture in laparoscopic myomectomy: Evaluation of perioperative outcomes, safety, and efficacy. *J Minim Invasive Gynecol*. 2011; 18(1):92-5.
15. **Einarsson JI**, Vellinga TT, Twijnstra AR, Chavan NR, Suzuki Y, Greenberg JA. Bidirectional barbed suture: An evaluation of safety and clinical outcomes. *JLS*. 2010;14(3):381-5.
16. Ghomi A, Cohen SL, Chavan N, Gunderson C, **Einarsson JI**. Laparoscopic-assisted vaginal hysterectomy versus laparoscopic supracervical hysterectomy for the non-prolapsed uterus. *J Minim Invasive Gynecol*. 2011 Mar-Apr;18(2):205-10.
17. Wheeler LA, Trifonova R, Vrbanac V, Basar E, McKernan S, Xu Z, Seung E, Deruaz M, Dudek T, Oliva E, **Einarsson JI**, Yang L, Allen T, Luster A, Tager A, Dykxhoorn D, Lieberman J. CD4-aptamer-siRNA chimeras inhibit HIV infection in primary CD4+ cells in vitro and in polarized human cervicovaginal explants and prevent vaginal transmission to humanized mice. *J Clin Invest*. 2011 Jun 1;121(6):2401-12.
18. Jonsdottir GM, Jorgensen S, Cohen SL, Wright, KN, Shah NT, Chavan NT, **Einarsson JI**. Increasing minimally invasive hysterectomy: effect on cost and complications. *Obstet Gynecol*. 2011 May;117(5):1142-9.
19. Wright KN, Jonsdottir GM, Jorgensen S, Shah NT, **Einarsson JI**. A comparison of abdominal, laparoscopic, vaginal, and robotic hysterectomies: surgical outcomes and operative cost in a single institution. *J Minim Invasive Gynecol*. In press.
20. **Einarsson JI**, Suzuki Y, Vellinga TT, Jonsdottir GM, Magnusson MK, Maurer R, Yoshida H, Walsh B. Prospective evaluation of quality of life in total versus

- supracervical laparoscopic hysterectomy. *J Minim Invasive Gynecol.* 2011 Sep-Oct;18(5):617-21.
21. **Einarsson JI**, Grazul-Bilska AT, Vonnahme KA. Barbed vs. standard suture; a randomized single-blinded comparison of adhesion formation and ease of use in an animal model. *J Minim Invasive Gynecol.* 2011 Nov;18(6):716-9.
 22. Burger NB, Brölmann HA, **Einarsson JI**, Langebrekke A, Huirne JA. Effectiveness of Abdominal Cerclage Placed via Laparotomy or Laparoscopy: Systematic Review. *J Minim Invasive Gynecol.* 2011 Nov;18(6):696-704.
 23. Shah NT, Wright KN, Jonsdottir GM, Jorgensen S, **Einarsson JI**, Muto MG. The Feasibility of Societal Cost Equivalence between Robotic Hysterectomy and Alternate Hysterectomy Methods for Endometrial Cancer. *Obstet Gynecol Int.* 2011;2011:570464. Epub 2011 Nov 15.
 24. **Einarsson JI**, Hibner M, Advincula AP. Side docking: an alternative docking method for gynecologic robotic surgery. *Rev Obstet Gynecol.* 2011;4(3-4):123-5.
 25. **Einarsson JI**, Vonnahme KA, Sandberg EM, Grazul-Bilska AT. Barbed compared to standard suture: effects on cellular composition and proliferation of the healing wound in the ovine uterus. *Acta Obstet Gynecol Scand.* 2012 May;91(5):613-9.
 26. **Einarsson JI**, Cohen SL, Puntambekar S. Orifice-Assisted Small-Incision Surgery: Case Series in Benign and Oncologic Gynecology. *J Minim Invasive Gynecol.* 2012 May-Jun;19(3):365-8.
 27. Ghomi A, Kramer C, Askari R, Chavan NR, **Einarsson JI**. Trendelenburg position in gynecologic robotic-assisted surgery. *J Minim Invasive Gynecol.* 2012 Jul;19(4):485-9.
 28. Gargiulo AR, Srouji SS, Missmer SA, Correia KF, Vellinga T, **Einarsson JI**. Robot-assisted laparoscopic myomectomy compared with standard laparoscopic myomectomy. *Obstet Gynecol.* 2012 Aug;120(2 Pt 1):284-91.
 29. Burger NB, **Einarsson JI**, Brölmann HA, Vree FE, McElrath TF, Huirne JA. Preconceptional laparoscopic abdominal cerclage: a multicenter cohort study. *Am J Obstet Gynecol.* 2012 Oct;207(4):273.e1-12.
 30. Sandberg EM, Cohen SL, Hurwitz S, **Einarsson JI**. Utility of cystoscopy during hysterectomy. *Obstet Gynecol.* 2012 Dec;120(6):1363-70.
 31. Paraiso MF, Ridgeway B, Park AJ, Jelovsek JE, Barber MD, Falcone T, **Einarsson JI**. A randomized trial comparing conventional and robotically assisted total laparoscopic hysterectomy. *Am J Obstet Gynecol.* 2013 Feb 5. doi:pii: S0002-9378(13)00144-0.
 32. Tusheva OA, Cohen SL, **Einarsson JI**. Hand-assisted approach to laparoscopic myomectomy and hysterectomy. *J Minim Invasive Gynecol.* 2013;20(2):234-7.

33. Wright KN, Jonsdottir GM, Jorgensen S, Shah N, **Einarsson JI**. Costs and outcomes of abdominal, vaginal, laparoscopic and robotic hysterectomies. *JLS*. 2012;16(4):519-24.
34. **Einarsson JI**, Cohen SL, Govern JM, Sandberg EM, Hill-Lydecker CI, Wang KC, Brown DN. Barbed vs. standard suture; a randomized trial for laparoscopic vaginal cuff closure. *J Minim Invasive Gynecol*. 2013 Jul-Aug;20(4):492-8.
35. Manoucheri E, Fuchs-Weizman N, Cohen SL, Wang KC, **Einarsson JI**. MAUDE - Analysis of Robotic-Assisted Gynecologic Surgery. *J Minim Invasive Gynecol*. 2014 Jan 28.
36. **Einarsson JI**, Cohen SL, Fuchs N, Wang KC. In bag morcellation (IBM). *J Minim Invasive Gynecol*. 2014 Apr 24. pii: S1553-4650(14)00256-8.
37. Washburn EE, Cohen SL, Manoucheri E, Zurawin RK, **Einarsson JI**. Trends in reported resident surgical experience in hysterectomy. *J Minim Invasive Gynecol*. 2014 Jun 4.
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39. Vree FE, Cohen SL, Chavan N, **Einarsson JI**. The impact of surgeon volume on perioperative outcomes in hysterectomy. *JLS*. 2014;18(2):174-81.
40. Fuchs N, Manoucheri E, Verbaan M, **Einarsson JI**. Laparoscopic management of extrauterine pregnancy in caesarean section scar: description of a surgical technique and review of the literature. *BJOG*. 2014 Sep 4. doi: 10.1111/1471-0528.
41. Cohen SL, **Einarsson JI**, Wang KC, Brown D, Boruta D, Scheib SA, Fader AN, Shibley T. Contained power morcellation within an insufflated isolation bag. *Obstet Gynecol*. 2014 Sep;124(3):491-7.
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NARRATIVE REPORT

I am the Director of the Division of Minimally Invasive Gynecologic Surgery (MIGS) at Brigham and Women's Hospital (BWH). The MIGS Division is a referral practice that accepts challenging cases that are not considered candidates for minimally invasive surgery due to complex pathology or significant medical comorbidities. My annual case-load of 400 challenging laparoscopic cases promotes a high degree of procedural excellence in advanced laparoscopic surgery. These advanced procedures account for approximately 65% of my professional time. I am also the founder and former director of the BWH fellowship program in minimally invasive gynecologic surgery and have a responsibility to teach advanced techniques in laparoscopic surgery to fellows,

residents, medical students and staff. This component accounts for approximately 15% of my professional time. The MIGS Division is involved in multiple clinical research projects, both performed locally and in collaboration with national and international centers. This component accounts for approximately 10% of my professional time. Finally, I am involved in several administrative activities locally, nationally and internationally which accounts for approximately 10% of my professional time.

Since most of my professional activity revolves around the performance of challenging laparoscopic procedures, my area of excellence is Clinical Expertise and Innovation. I am currently working on several innovative projects, including the development of a novel uterine manipulator and a completely new concept for specimen retrieval during laparoscopic procedures. I have performed a number of “firsts” at BWH and beyond, including the use of barbed suture in gynecologic laparoscopy, laparoscopic uterine artery occlusion for uterine fibroids, laparoscopic cerclage for cervical incompetence and laparoscopic hysterectomy for extremely large uteri. As a result of my clinical expertise, I have been invited to serve as faculty at the annual meetings of the American Congress of Obstetricians and Gynecologists and the American Association of Gynecologic Laparoscopists as well as the annual European Society of Gynecologic Endoscopy meeting and several other international events and congresses. I have also been invited to perform several live telesurgeries nationally and internationally.

My contributions to education include active teaching of medical students, residents, fellows and staff in the operating room. I am also the director of the MIGS component of the Annual Update in Obstetrics and Gynecology sponsored by Brigham and Women’s Hospital and Harvard Medical School. Additionally, I founded, developed and direct the Annual Harvard Update in Minimally Invasive Gynecologic Surgery; a 3 ½ day CME accredited course devoted to the latest advancements within the field. I also direct several online CME courses in Ob/Gyn through Harvard Medical School.

Teaching medical students, residents and fellows is a high priority of the Division. One of our main goals is to encourage training in minimally invasive gynecologic surgery (MIGS) at all education levels. The Division has actively contributed towards the creation of a comprehensive MIGS curriculum, including didactic sessions, hands on laboratory sessions using inanimate trainers in our state of the art STRATUS simulation center, animal laboratory sessions and hands on sessions in the operating room. The complexity and detail of these sessions are tailored to the individual training level, but all levels are exposed to all aspects of the curriculum.

The MIGS Division participates in several clinical research projects, providing opportunities for medical students, residents and fellows to gain insight and experience into the process of clinical research and appropriate use of methodology and evidence based medicine. In collaboration with the Cleveland Clinic, I have recently completed a randomized clinical trial comparing robotic vs laparoscopic hysterectomy. I have also established the MIGS Research Consortium (MRC) within the American Association of Gynecologic Laparoscopists with the goal of executing a number of multicenter clinical trials in our field.

As an expert in advanced laparoscopic gynecologic surgery, my role is to move the field forward by educating other physicians, perform quality clinical research projects and push the boundaries of what is possible within our specialty. The Division of Minimally Invasive Gynecologic Surgery is dedicated to the mission of offering advanced minimally invasive surgical options to women in Boston, United States and worldwide.