

# CURRICULUM VITAE

**DATE PREPARED:** July 2023

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**Place of Birth:** Reykjavik, Iceland

## Education:

1995	MD	Medicine	University of Iceland
2004	MPH	Clinical Effectiveness	Harvard School of Public Health
2013	PhD	Gynecologic Surgery Innovation	University of Iceland

## Postdoctoral Training:

1995-1996	Intern	Internal Medicine/Surgery	Landspitali-Univ Hospital
1996-1998	Resident	Ob/Gyn	Landspitali-Univ Hospital
1998-2002	Resident	Ob/Gyn	Baylor College of Medicine
2002-2004	Fellow	Minimally Invasive Gynecologic Surgery	Baylor College of Medicine
2007-2008	Participant	BWH Physician Leadership Program	Harvard Business School
2018-2019	Participant	Leadership Program For Surgeons	Harvard Medical School

## Faculty Academic Appointments:

2004-06	Assistant	Obstetrics and Gynecology	University of Iceland
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2006	Clinical Professor Instructor	Obstetrics, Gynecology and Reproductive Biology	Harvard Medical School
2007	Assistant Professor	Obstetrics, Gynecology and Reproductive Biology	Harvard Medical School
2011	Associate Professor	Obstetrics, Gynecology and Reproductive Biology	Harvard Medical School
2017-	Professor	Obstetrics, Gynecology and Reproductive Biology	Harvard Medical School

#### **Appointments at Hospitals/Affiliated Institutions:**

2004-2006	Consultant	Landspítali-University Hospital
2006-	Attending Ob/Gyn	Brigham and Women's Hospital
2007-	Attending Ob/Gyn	Faulkner Hospital
2008-2014	Attending Ob/Gyn	South Shore Hospital
2009-23	Consulting Staff	Dana-Farber Cancer Institute
2021-	Consultant	Klíníkin (The Clinic), Reykjavík Iceland

#### **Major Administrative Leadership Positions:**

##### *Local*

2004	Assistant Director	Residency Program	Landspítali-University Hospital
2005	Director	Medical Course: <i>Use of Evidence Based Medicine in Clinical Practice</i>	Landspítali-University Hospital
2006-2022	Director	MIGS Division <i>I developed and directed the first minimally invasive gynecologic surgery division at the Hospital</i>	Brigham and Women's Hospital
2008-2013	Director	Minimally Invasive Gynecologic Surgery	South Shore Hospital S. Weymouth MA
2008-2012	Assistant Medical Director	Ob/Gyn	STRATUS Simulation Center Brigham and Women's Hospital
2008-2012	Director/Founder	MIGS Fellowship Program <i>I developed and directed the first minimally invasive gynecologic surgery fellowship program at the Hospital</i>	Brigham and Women's Hospital
2009-2020	Director/Founder	Minimally Invasive	BWH/Harvard Medical School

**GYN Surgery Course**  
*I developed, organized and implemented 3 ½ day comprehensive annual HMS CME accredited postgraduate course dedicated to minimally invasive gynecologic surgery.*

2008-2022      Director      MIGS Course, Annual Update    BWH / HMS  
in Obstetrics and Gynecology  
*I am responsible for organizing this one day course in minimally invasive gynecologic surgery which is part of the week-long update in obstetrics and gynecology.*

2012-16      Director      CME Online Courses      HMS  
*I developed and organized online courses with Harvard Department of Continuing Education, for physicians all over the world, which I review annually, in:*

1.      *Infertility and Endocrinology*
2.      *Early Pregnancy Complications*
3.      *Surgical Gynecology*
4.      *Gynecological Malignancies*
5.      *Prenatal Care*

**Committee Service:**

**Local**

2006	Member	OR Restructuring Committee	Landspitali-University Hospital
2008	Member	STRATUS Development Committee	Brigham and Women’s Hospital
2009-2011	Member	Operating Room Committee	South Shore Hospital
2009-2011	Member	Patient Flow Subcommittee	Brigham and Women’s Hospital
2009-	Member	Resident Education Committee	Brigham and Women’s Hospital
2008-2009	Member	Clinical Advisory Council	Brigham and Women’s Hospital
2009-2013	Member	Physicians' Council	Brigham and Women’s Hospital
2010-2012	Member	Quality and Safety Committee	Brigham and Women’s Hospital
2013-2015	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
2014	Opponent	PhD thesis defense	University of Oslo, Norway
2017	Opponent	PhD thesis defense	Leiden University, Netherlands

2018	Opponent	PhD thesis defense	Leiden University, Netherlands
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**Professional Societies:**

1995-	<i>Member</i>	<i>Icelandic Medical Association</i>	
1998-	<i>Fellow</i>	<i>American Congress of Obstetricians and Gynecologists</i>	
1999-	Member	<i>American Association of Gynecologic Laparoscopists</i>	
	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
	2015	Chair	Scientific Program AAGL Global Congress
	2016-17	President	AAGL Board of Trustees
	2018	Immediate Past President	AAGL Board of Trustees
2004-	<i>Member</i>	<i>European Society for Gynecologic Endoscopy</i>	
	2011, 2012	Member	International Scientific Committee
	2021-	Board member	ESGE Board of Trustees
2009-12	Member	<i>Society of Laparoendoscopic Surgeons</i>	
2017-	International Advisory Board	<i>Internat Society of Neuropelveology</i>	
2022-	Member	Society of Gynecologic Surgeons (SGS)	

**Editorial Activities:**

*Section Editor*

2008-14	Reviews in Obstetrics & Gynecology
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*Editorial Board Member*

2010-12	SurgeryU ( <a href="http://www.surgeryu.com">www.surgeryu.com</a> )
2012-	Journal of Minimally Invasive Gynecology

*Deputy Editor*

2011- Contemporary Obstetrics and Gynecology

*International Editor*

2015- Acta Obstetricia et Gynecologica Scandinavica

*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 Obstetricia 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 <i>Funding for MPH studies at HSPH</i>	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 <i>Funding for MPH studies at HSPH</i>	National Bank of Iceland
2003	Berlex Faculty Development Award	Berlex Foundation
2005	Educational Award <i>Competitive award to study in Sweden</i>	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>1<sup>st</sup> place</i>	Society of Laparoendoscopic Surgeons
2009	Best New Instrumentation, <i>3<sup>rd</sup> place</i> <i>Award for paper describing new technique</i>	American Association of Gynecologic Laparoscopists
2010	Excellence in Clinical Innovation, <i>Nominated</i>	Brigham and Women's Hospital
2011	Golden Laparoscope Award <i>1<sup>st</sup> place</i> <i>Award for best overall surgical video</i>	American Association of Gynecologic Laparoscopists
2011	Kurt Semm Award <i>1<sup>st</sup> place</i> <i>Award for best innovation in GYN Surgery</i>	American Association of Gynecologic Laparoscopists
2011	Partners in Excellence Award Collaboration between Urogynecology And MIGS	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 <i>Honored for 2 visits including live surgery tutorials and lectures</i>	Xian Jiaotong University, China
2017	Honorary Member	Colombian Ob/Gyn Federation
2018	1 <sup>st</sup> place. “The Hands” Competition	47 <sup>th</sup> Global AAGL Congress
2019	Winner – Shark Tank Innovation Award	Brigham and Women's Hospital
2020	Distinguished Surgeon Award	Society of Gynecologic Surgeons
2021	Distinguished Clinician Award	Brigham and Women's Hospital
2022	Best Video Award	ESGE Annual Meeting, Lisbon Portugal

## **REPORT OF FUNDED AND UNFUNDED PROJECTS**

### **Funding Information:**

***Past funding***

- 2001            Immunology of preeclampsia  
Houston Gyn Society  
PI  
*The main goal was to examine whether a relatively short exposure to partner's semen increases the risk of preeclampsia.*
- 2004            Vitamin C and endometriosis  
Landspitali-Research Fund  
PI  
*The major goal was to examine whether high dose of Vitamin C would reduce pain in patients with endometriosis.*
- 2006            Platelet gel and prolapse  
Landspitali-Research fund  
PI  
*The main goal was to evaluate the use of autologous platelet gel as an enhancement to surgery for pelvic organ prolapse.*
- 2007            Laparoscopic hysterectomy  
Eleanor and Miles Shore Scholar  
PI  
Total Direct Cost \$25000  
*The major goal was to prospectively evaluate perioperative outcomes comparing supracervical and total hysterectomies.*
- 2008            Uterine manipulator  
BWH Ob/Gyn Expanding the Boundaries  
PI  
Total Direct Cost \$7500  
*The major goal was to develop a prototype for a laparoscopic manipulator.*
- 2009            Laparoscopic morcellator  
BWH Ob/Gyn Expanding the Boundaries  
PI  
Total Direct Cost \$8000  
*The major goal was to develop a prototype for a novel laparoscopic morcellator.*
- 2009            Laparoscopic myomectomy  
BWH Ob/Gyn Expanding the Boundaries  
PI  
Total Direct Cost \$4500  
*The major goal was to evaluate perioperative outcomes with laparoscopic myomectomy.*
- 2010            Uterine manipulator  
BWH Ob/Gyn Expanding the Boundaries  
PI  
Total Direct Cost \$8000  
*The major goal was to develop a second prototype of a novel uterine manipulator.*

- 2010 Barbed suture adhesion study  
 Angiotech Educational Grant  
 PI  
 Total Direct Cost \$30000  
*The major goal was to evaluate in a randomized trial adhesion rates between barbed suture and standard suture.*
- 2011-14 Vasopressin for myomectomy  
 BWH Ob/Gyn Expanding the Boundaries  
 PI  
 Total Direct Cost \$5008  
*The major goal was to evaluate in a prospective randomized trial estimated blood loss between two different concentrations of vasopressin during a laparoscopic myomectomy.*
- 2012 Cystoscopy for hysterectomy  
 BWH Ob/Gyn Expanding the Boundaries  
 PI  
 Total Direct Cost \$5555  
*The major goal was to evaluate the utility of cystoscopy at the time of hysterectomy.*

**Current Unfunded Projects**

- 2015- Trends in mode of hysterectomy  
*Retrospective review of all benign hysterectomies at Brigham and Women's hospital from 2013 to 2015; goal is to assess trends in mode of hysterectomy in light of morcellation debate.*

**REPORT OF LOCAL TEACHING AND TRAINING**

**Teaching of Students in Courses:**

***Baylor College of Medicine Medical School***

- 2002, 03, 04 Endometriosis, An Overview  
 25-30 medical students 1 hour lecture per year
- 2002, 03, 04 Endometrial Ablation, A Review of Different Techniques  
 25-30 medical students 1 hour lecture per year
- 2002, 03, 04 Practical Pelvic Anatomy  
 25-30 medical students 1 hour lecture per year
- 2002, 03, 04 Writing and Presenting Manuscripts  
 25-30 medical students 1 hour lecture per year

***Landspitali- University Hospital***





- 2009           **Thomas T. Vellinga, MD, BSc**  
 General surgery resident, Leiden University Hospital, The Netherlands  
*Dr. 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 and presentations at national meetings.*
- 2009           **Niraj Chavan, MD**  
 Ob/Gyn Resident in New York City  
*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 and presentations at national meetings.*
- 2010           **Gudrun Maria Jonsdottir, MD, BSc**  
 Intern, Department of Emergency Medicine, University of Iceland  
*Dr. 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 and presentations at national meetings.*
- 2010           **Florentien Vree, MD**  
 Intern, Leiden University Hospital, the Netherlands  
*Dr. Vree was a research associate in the MIGS Division and received practical training in clinical research methodology. She contributed 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. She also had presentations at national meetings and publications in peer reviewed journals.*
- 2011           **Evelien Sandberg, MD**  
 Resident, Leiden University Hospital, the Netherlands  
*Dr. Sandberg was a research associate in the MIGS Division and received practical training in clinical research methodology. She contributed to a number of clinical research projects and presentations at national meetings and had several publications in peer reviewed journals.*
- 2010-2012   **Sarah Cohen, MD**  
 Assistant Professor at Harvard Medical School and faculty member of the Division of Minimally Invasive Gynecologic Surgery at Brigham and Women's Hospital  
*I mentored Dr. Cohen when she 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 and has had many publications in peer reviewed journals.*
- 2012           **Olga Tusheva**  
 Ob/Gyn resident, Northwell Health, New York, NY  
*Ms. Tusheva was a research associate in the MIGS Division and received practical training in clinical research methodology. She contributed to a number of clinical research projects and had presentations at national meetings as well as several publications in peer reviewed journals.*

- 2012-2014 **Elmira Manoucheri, MD**  
Private Practice Ob/Gyn. Kaiser Permanente, California  
*Dr. Manoucheri was our fellow in minimally invasive gynecologic surgery. She actively participated on several research projects and had presentations at national meetings. She also published several articles in peer-reviewed journals.*
- 2013-14 **Noga Fuchs Weizman, MD**  
Ob/Gyn resident, Assaf Harofeh Medical Center, Israel  
*Dr. Weizman was a research associate in the MIGS Division and received practical training in clinical research methodology. She contributed to a number of clinical research projects and had presentations at national meetings. She also published several papers in peer-reviewed journals.*
- 2014- **Luiz Gustavo Oliveira Brito, MD, PhD**  
Attending physician in Gynecologic Surgery, Ribeira Preto Hospital, Ribeira Preto Medical School. Brazil  
*Dr. Brito was a research associate in the MIGS Division and received practical training in clinical research methodology. He contributed to a number of clinical research projects and had presentations at national meetings. He also published several papers in peer-reviewed journals.*
- 2014 **Nieck Pouwels MD**  
Ob/Gyn Resident, Leiden University Hospital. the Netherlands  
*Dr. Pouwels was a research associate in the MIGS Division and received practical training in clinical research methodology. He contributed to a number of clinical research projects and had presentations at national meetings as well as a number of publications in peer reviewed journals.*
- 2014-2015 **Emily Rose Goggins**  
Medical student, Emory University.  
*Ms. Goggins was a research associate in the MIGS Division and received practical training in clinical research methodology. She contributed to a number of clinical research projects and had presentations at national meetings. She was also a co-author on a number of articles in peer-reviewed journals.*
- 2015 **Elsemieke Meurs**  
Medical student, Leiden University, the Netherlands  
*Ms. Meurs was a research associate in the MIGS Division and received practical training in clinical research methodology. She contributed to a number of clinical research projects and had presentations at national meetings. She also had a number of publications in peer-reviewed journals.*
- 2015 **Mary Cox**  
Research Associate, MIGS Division  
*Ms. Cox is a research associate in the MIGS Division and has been receiving practical training in clinical research methodology. She has contributed to a number of clinical research projects*
- 2015 **Jennifer Kreuninger**  
Research Associate, MIGS Division

*Ms. Kreuninger is a research associate in the MIGS Division and has been receiving practical training in clinical research methodology. She has contributed to a number of clinical research projects*

- 2014-16      **Mobolaji Ajao, MD MPH**  
 MIGS fellow, Brigham and Women’s Hospital  
*Dr. Ajao was our fellow in minimally invasive gynecologic surgery. He was hired to the Brigham and Women’s MIGS division as a MIGS specialist upon graduation.*
- 2016-18      **Nisse Clark, MD MPH**  
 MIGS fellow, Brigham and Women’s Hospital  
*Dr. Clark was our fellow in minimally invasive gynecologic surgery. She was hired to the MIGS division at the Massachusetts General Hospital as a MIGS specialist upon graduation.*
- 2018-20      **Kristen Pepin, MD**  
 MIGS fellow, Brigham and Women’s Hospital  
*Dr. Pepin was our fellow in minimally invasive gynecologic surgery. She was recruited to Cornell University in New York City as a MIGS specialist upon graduation.*
- 2021-22      **Shabnam Gupta MD**  
 MIGS fellow, Brigham and Women’s Hospital  
*Dr. Gupta is our current fellow in minimally invasive gynecologic surgery. She actively participates on several research projects. She has had presentations at national meetings.*

**Formal Teaching of Peers:**

*No presentations below were sponsored by outside entities*

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|------|---|---|
| 2008 | Lecture   | <i>Update in Minimally Invasive Gynecologic Surgery: Latest Trends</i><br>45 <sup>th</sup> Annual Update in Obstetrics and Gynecology, Brigham and Women’s Hospital / Harvard Medical School. Boston MA   |
| 2009 | Lecture<br>Moderator                                      | <i>Laparoscopic Hysterectomy, Tips and Tricks.</i><br><i>Laparoscopic Suturing Workshop</i><br>46 <sup>th</sup> Annual Update in Obstetrics and Gynecology, Brigham and Women’s Hospital / Harvard Medical School. Boston MA  |
| 2009 | Lecture<br>Lecture<br>Lecture<br>Moderator<br>Telesurgery | <i>Laparoscopic Hysterectomy.</i><br><i>Avoiding Complications in Laparoscopic Surgery</i><br><i>Laparoscopic Myomectomy.</i><br><i>Laparoscopic Suturing Workshop</i><br><i>Total Laparoscopic Hysterectomy.</i><br>1 <sup>st</sup> Update in Minimally Invasive Gynecologic Surgery, Brigham and Women’s Hospital/Harvard Medical School. Boston, MA. |
| 2010 | Lecture   | <i>Laparoscopic Hysterectomy, Tips and Tricks.</i>  |

	Moderator	<i>Laparoscopic Suturing Workshop</i> 47 <sup>th</sup> Annual Update in Obstetrics and Gynecology, Brigham and Women's Hospital/Harvard Medical School. Boston, MA
2010	Lecture Lecture Lecture Lecture Lecture Telesurgery Moderator	<i>Laparoscopic Hysterectomy - Tips and Tricks.</i> <i>Avoiding Complications in Laparoscopy</i> <i>Update in Electrosurgery</i> <i>Laparoscopic Myomectomy</i> <i>Latest Gadgets – Equipment Review</i> <i>Laparoscopic Myomectomy</i> <i>Laparoscopic Suturing Workshop</i> 2 <sup>nd</sup> Update in Minimally Invasive Gynecologic Surgery, Brigham and Women's Hospital/Harvard Medical School. 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/Harvard Medical School. Boston, MA
2011	Lecture Moderator	<i>Laparoscopic Hysterectomy, Tips and Tricks.</i> <i>Laparoscopic Suturing Workshop</i> 48 <sup>th</sup> Annual Update in Obstetrics and Gynecology, Brigham and Women's Hospital / Harvard Medical School. Boston, MA
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 <sup>rd</sup> Harvard Update in Minimally Invasive Gynecologic Surgery, Brigham and Women's Hospital/Harvard Medical School. Boston, MA.
2012	Lecture Moderator	<i>Laparoscopic Hysterectomy, Step by Step</i> <i>Laparoscopic Suturing Workshop</i> 49 <sup>th</sup> Annual Update in Obstetrics and Gynecology, Brigham and Women's Hospital / Harvard Medical School. Boston, MA
2012	Lecture Lecture Lecture Lecture Lecture 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>Strategy in Endometriosis Surgery</i> <i>Laparoscopic Suturing Workshop</i> 4 <sup>th</sup> Annual Update in Minimally Invasive Gynecologic Surgery, Brigham and Women's Hospital / Harvard Medical School. Boston, MA
2013	Lecture Moderator	<i>Managing Complications in Laparoscopic Surgery</i> <i>Laparoscopic Hysterectomy Workshop</i>

		50 <sup>th</sup> Annual Update in Obstetrics and Gynecology, Brigham and Women's Hospital / Harvard Medical School. Boston, MA
2014	Lecture Moderator	<i>Laparoscopic Treatment of Severe Endometriosis</i> <i>Laparoscopic Myomectomy Workshop</i> 51 <sup>th</sup> Annual Update in Obstetrics and Gynecology, Brigham and Women's Hospital / Harvard Medical School. Boston, MA
2015	Lecture Moderator	<i>Laparoscopic Prevention and Management of Complications</i> <i>Laparoscopic Myomectomy and Tissue Extraction Workshop</i> 52 <sup>th</sup> Annual Update in Obstetrics and Gynecology, Brigham and Women's Hospital / Harvard Medical School. Boston, MA
2016	Lecture Moderator	<i>Laparoscopic Treatment of Endometriosis</i> <i>Laparoscopic Complications – Prevention and Management Workshop</i> 53 <sup>rd</sup> Annual Update in Obstetrics and Gynecology, Brigham and Women's Hospital / Harvard Medical School. Boston, MA
2017	Lecture Moderator	<i>Laparoscopic Hysterectomy: Lessons Learned after 1500+ Cases</i> <i>Laparoscopic Complications – Prevention and Management Workshop</i> 54 <sup>rd</sup> Annual Update in Obstetrics and Gynecology, Brigham and Women's Hospital / Harvard Medical School. Boston, MA
2018	Lecture Moderator	<i>Laparoscopic Complications</i> <i>Laparoscopic Hysterectomy – Tips and Tricks</i> 55 <sup>th</sup> Annual Update in Obstetrics and Gynecology, Brigham and Women's Hospital / Harvard Medical School. Boston, MA
2019	Lecture Moderator	<i>The future of our specialty</i> <i>Challenging situations in gynecologic surgery</i> 56 <sup>th</sup> Annual Update in Obstetrics and Gynecology, Brigham and Women's Hospital / Harvard Medical School. Boston, MA
2021	Lecture	<i>Laparoscopic surgery for advanced endometriosis</i> 57 <sup>th</sup> Annual Update in Obstetrics and Gynecology, Brigham and Women's Hospital / Harvard Medical School. Boston, MA
2022	Lecture	<i>Tissue extraction in laparoscopic surgery</i> 58 <sup>th</sup> Annual Update in Obstetrics and Gynecology, Brigham and Women's Hospital / Harvard Medical School. Boston, MA
2023	Lecture	<i>Laparoscopic excision of endometriosis</i> 59 <sup>th</sup> Annual Update in Obstetrics and Gynecology, Brigham and Women's Hospital/Harvard Medical School. Boston, MA

**Local Invited Presentations:**

*No presentations below were sponsored by outside entities*

*Lectures before Harvard Appointment*

- 2005            Lecture            *Current Management of Stress Urinary Incontinence.*  
Landspítali-University Hospital
- 2006            Lecture            *Anesthesia during Laparoscopic Surgery, Optimizing Patient Outcomes*  
Landspítali-University Hospital. Reykjavik, Iceland
- 2006            Lecture            *Minimally Invasive Gynecological Surgery, An Update.*  
Landspítali-University Hospital. Reykjavik, Iceland

***Lectures given after Harvard Appointment***

- 2007            Grand Rounds    *Minimally Invasive Gynecologic Surgery*  
Department of Obstetrics and Gynecology, Brigham and Women's Hospital. Boston, MA
- 2008            Grand Rounds    *Complications in Laparoscopy and Hysteroscopy*  
Department of Obstetrics and Gynecology, Brigham and Women's Hospital. Boston, MA
- 2009            Grand Rounds    *Minimally Invasive Treatment of Uterine Fibroids.*  
Department of Obstetrics and Gynecology, Brigham and Women's Hospital. Boston, MA
- 2009            Grand Rounds    *Laparoscopic Radical Hysterectomy in India*  
Department of Obstetrics and Gynecology, Brigham and Women's Hospital. Boston, MA
- 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
- 2009            Grand Rounds    *Minimally Invasive Treatment of Uterine Fibroids*  
Department of Obstetrics and Gynecology, South Shore Hospital. S. Weymouth, MA
- 2010            Grand Rounds    *Laparoscopic Abdominal Cerclage*  
Department of Obstetrics and Gynecology, Brigham and Women's Hospital. Boston, MA
- 2011            CME Rounds     *Laparoscopic Hysterectomy, Technique and Avoiding Complications*  
Department of Obstetrics and Gynecology, South Shore Hospital. S. Weymouth, MA
- 2012            Grand Rounds    *Laparoscopic Treatment of Severe Endometriosis*

Department of Obstetrics and Gynecology, Brigham and Women's Hospital. Boston, MA

- 2014 Grand Rounds *3 D Laparoscopy*  
Department of Obstetrics and Gynecology, Brigham and Women's Hospital. Boston, MA
- 2014 Grand Rounds *Laparoscopic Hysterectomy*  
Department of Obstetrics and Gynecology, Cambridge Hospital. Cambridge, MA

## **REPORT OF REGIONAL, NATIONAL AND INTERNATIONAL INVITED TEACHING AND PRESENTATIONS**

*No presentations below were sponsored by outside entities*

### ***Regional***

- 2007 Grand Rounds *Complications in Minimally Invasive Gynecologic Surgery.*  
Department of Obstetrics and Gynecology, South Shore Hospital. Weymouth, MA (Prior to SSH appointment)
- 2007 Grand Rounds *Minimally Invasive Approach to Hysterectomy*  
Charlton Memorial Hospital. Fall River, MA
- 2008 Lecture *Should All Hysterectomies Be Laparoscopic?*  
Annual Women's Health Issues, Mount Auburn Hospital. 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
- 2013 Grand Rounds *Prevention and Management of Laparoscopic Complications.*  
Boston Medical Center. Boston, MA.
- 2014 Lecture *Preventing and Managing Laparoscopic Complications.*  
New England Obstetrics and Gynecologic Society 85<sup>th</sup> Annual Spring Meeting. Sturbridge, MA

### ***National***

*Lecture given prior to Harvard appointment*

- 2005 Lecture *Surgical Repair of Apical Prolapse.*  
Icelandic Medical Association Meeting. Reykjavik, Iceland



*Lectures given after Harvard appointment*

2007	Grand Rounds	<i>Complications in Laparoscopy and Hysteroscopy.</i> University of Buffalo Medical School. Buffalo, NY
2009	Lecture Lecture	<i>Complications of Laparoscopic Surgery.</i> <i>Understanding and Optimizing Your Energy Sources in Minimally Invasive Surgery</i> Hands-On Laparoscopic Techniques in Advanced Gynecologic Surgery. 57 <sup>th</sup> 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
2010	Lecture	<i>Laparoscopic Myomectomy, an Evolution of our Technique</i> Society of Gynecologic Surgeons Annual Meeting. Tucson, AZ.
2010	Lecture Lecture	<i>Understanding and Optimizing Your Energy Sources in Minimally Invasive Surgery</i> <i>Complications of Laparoscopic Surgery.</i> Hands-On Laparoscopic Techniques in Advanced Gynecologic Surgery, American Congress of Obstetricians and Gynecologists 58 <sup>th</sup> Annual Clinical Meeting. San Francisco, CA
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 <sup>th</sup> Annual Clinical Meeting. Washington, DC.
2011	Lecture Lecture Telesurgery	<i>Principles of Peritoneal Access</i> <i>Avoiding &amp; Managing the Complications of Laparoscopic Surgery</i> <i>Total Laparoscopic Hysterectomy</i> American Association of Gynecologic Laparoscopists Fellows Boot Camp. Celebration, FL
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 <sup>rd</sup> Symposium on Minimally Invasive Pelvic Surgery. Scottsdale, AZ.
2012	Lecture	<i>Energy Sources &amp; Hemostasis: Biophysics and Applications</i> American Association of Gynecologic Laparoscopists 21 <sup>st</sup> Annual Comprehensive Workshop on Minimally Invasive Gynecology for Residents and Fellows. Chicago, IL.
2012	Lecture Debate	<i>Avoiding Complications in the Pelvis with Laparoscopic Surgery</i> <i>Cervix Removal at the Time of Sacral Colpopexy</i>

	Lecture	<i>Tips and Techniques to Becoming a Safe and Efficient Laparoscopic/Robotic Surgeon</i> Minimally Invasive Gynecology/Urology Surgical Symposium, Northside Hospital. Atlanta, GA
2012	Lecture Lecture	<i>NOTES Hysterectomy and Other Alternative Approaches</i> <i>Laparoscopic Suturing and Vaginal Cuff Closure Techniques</i> 19th Annual Gynecologic Surgery and Oncology Conference, Gate Institute of Holy Cross Hospital. 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 <sup>th</sup> Annual Clinical Meeting. San Diego, CA
2012	Lecture Lecture Lecture	<i>Understanding Energy and Electrosurgery in Gynecology</i> <i>Principles of Laparoscopic Suturing and New Techniques</i> <i>Surgical Pearls for Laparoscopic Myomectomy</i> 2 <sup>nd</sup> Annual Gynecology Conference, Carolinas Healthcare. Charlotte, NC
2012	Grand Rounds	<i>Prevention and Management of Laparoscopic Complications</i> Department of Obstetrics and Gynecology, Greater Baltimore Medical Center. Baltimore MD
2012	Telesurgery	<i>Total Laparoscopic Hysterectomy with Sidewall Dissection.</i> Department of Obstetrics and Gynecology, Baylor College of Medicine. Houston TX
2013	Grand Rounds	<i>Laparoscopic Suturing and the Impact of Barbed Sutures</i> Department of Obstetrics and Gynecology, Winnie Palmer Hospital. Orlando, FL
2013	Lecture Lecture Lecture	<i>OASIS and Alternative Methods of Laparoscopic Surgery</i> <i>Use of Barbed Sutures in Gynecologic Laparoscopy</i> <i>Laparoscopic Management of Severe Endometriosis</i> 1 <sup>st</sup> Annual Joint MIGS Course Sponsored by Harvard Medical School, Cleveland Clinic and Mayo Clinic. Miami, FL
2013	Lecture	<i>The Role of Medical Therapy after Surgery</i> 4 <sup>th</sup> Annual Scientific and Surgical Symposium of the Endometriosis Foundation of America. New York, NY.
2013	Lecture Lecture Lecture Lecture	<i>Laparoscopic Complications – How to Avoid and Manage</i> <i>Hysterectomy – Best Mode of Access?</i> <i>Cervical Incompetence and Laparoscopic Cerclage</i> AAGL (American Association of Gynecologic Laparoscopists) 22 <sup>nd</sup> Annual Comprehensive Workshop on Minimally Invasive Gynecology for Residents and Fellows. Chicago, IL
2014	Lecture	<i>Laparoscopic Management of Complications</i>

29<sup>th</sup> Annual Dr. David Rothman Resident Research Day,  
Washington University School of Medicine. St. Louis, MO  
(Named Visiting Professor)

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> Fellow’s Research Day, Mayo Clinic. Phoenix, AZ
2014	Lecture Telesurgery Telesurgery	<i>The Morcellation Controversy – What is Next?</i> <i>Laparoscopic Treatment of Severe Endometriosis</i> <i>Laparoscopic Myomectomy</i> <i>Laparoscopic Total Hysterectomy with In-bag Morcellation</i> 2 <sup>nd</sup> Annual Joint MIGS Course sponsored by Harvard Medical; School, Cleveland Clinic and Mayo Clinic. Boston, MA.
2014	Telesurgery	<i>Laparoscopic Myomectomy</i> American Society for Reproductive Medicine (ASRM) Annual Meeting. Honolulu, Hawaii
2015	Lecture Lecture Lecture	<i>Morcellation Complications: Prevention, Techniques for Safe Tissue Extraction.</i> <i>Laparoscopic Excision of Bowel Endometriosis</i> <i>Tips and Tricks for the Efficient Laparoscopic Hysterectomy</i> 3 <sup>rd</sup> Annual Joint MIGS Course sponsored by Harvard Medical School, Cleveland Clinic and Mayo Clinic. Scottsdale, AZ
2015	Lecture Lecture	<i>Prevention, Recognition and Management of Surgical Complications.</i> <i>Total Laparoscopic Hysterectomy. Key Steps for Success</i> Minimally Invasive Gynecologic Surgery, the Next Generation. Banner Good Samaritan Medical Center, University of Arizona. Phoenix, AZ
2015	Lecture Lecture	<i>A Critical Look at Robotic Surgery for the Benign Gynecologist.</i> <i>Surgical Approaches to the Complex Endometriosis Patient</i> Northwestern 1 <sup>st</sup> Annual Update in Clinical and Surgical Gynecology. Chicago, IL
2015	Lecture	<i>The Tortuous Path of Innovation.</i> Open Endoscopy Forum <a href="http://endoscopyforum.com">http://endoscopyforum.com</a> Boston, MA
2016	Lecture Lecture Lecture Lecture	<i>Tissue Extraction Today: Fibroids, Uteri and Ovaries</i> <i>Practical Tips for Perioperative Management of Endometriosis</i> <i>Excision of Endometriosis Involving the Intestinal Tract</i> <i>Advanced Endometriosis – Unedited Surgical Video</i> 4 <sup>th</sup> Annual Joint MIGS Course, Harvard Medical School, Cleveland Clinic and Mayo Clinic. Ft. Lauderdale, FL
2016	Lecture	<i>The Practical and Widely Applicable Hysterectomy: Conventional TLH</i>

		Solving the Dilemma of the Minimally Invasive Hysterectomy Route: A Roadmap to Clinical Decision-making. ACOG Annual Meeting. Washington, DC
2016	Lecture	<i>Deconstructing Advanced Endometriosis: Strategies for Conservative and Definitive Surgery.</i>
	Lecture	<i>Managing Cuts, Burns, Perforations and Other Unfortunate Events.</i> 2 <sup>nd</sup> Annual AAGL Fellows and Residents Surgical Boot Camp. Orlando, Florida
2017	Grand Rounds	<i>How to Avoid and Manage Complications in Laparoscopic Surgery.</i> Temple University School of Medicine. Bethlehem, PA.
2017	Lecture	<i>Laparoscopic Hysterectomy, Tips and Tricks</i>
	Lecture	<i>Laparoscopic Management of Fibroids and Tissue Extraction Options</i>
	Lecture	<i>Laparoscopic Management of Severe Endometriosis</i> 58th Annual Ob-Gyn Update. University of Utah. Park City, Utah.
2017	Lecture	<i>Retroperitoneal Cadaveric Dissection</i>
	Lecture	<i>Laparoscopic Hysterectomy: Technical Tips and Tricks</i>
	Lecture	<i>Excision of Endometriosis Involving the Intestinal Tract</i>
	Telesurgery	<i>Laparoscopic Hysterectomy</i> 5th Annual Joint MIGS Course, Harvard Medical School, Cleveland Clinic and Mayo Clinic. Boston, MA.
2017	Lecture	<i>Laparoscopy in Pregnancy and Laparoscopic Cerclage</i> AAGL 2017 Fellows and Residents Surgical Boot Camp. Columbia University. New York, NY.
2018	Lecture	<i>Laparoscopic Hysterectomy</i>
	Lecture	<i>Laparoscopic Cerclage</i>
	Lecture	<i>Surgical Techniques for Excision of Rectosigmoid Endometriosis: When to do Shaving, Local Excision or Segmental Resection</i> 6th Annual Joint MIGS Course, Harvard Medical School, Cleveland Clinic and Mayo Clinic. Maui, Hawaii.
2019	Lecture	<i>Unfreezing the frozen pelvis</i>
	Lecture	<i>Laparoscopic excision of severe endometriosis from pelvic organs</i> 7th Annual Joint MIGS Course, Harvard Medical School, Cleveland Clinic and Mayo Clinic. Ft. Lauderdale, Florida
2021	Lecture	<i>Complications from Endometriosis surgery.</i> VirtualEndo24. Virtual endometriosis meeting. Endometriosis Foundation.
2021	Lecture	<i>Sacral nerve root endometriosis.</i> SGS 47 <sup>th</sup> Annual Meeting. Palm Springs, CA

2022            Lecture            *Innovation and Entrepreneurship for Medical Professionals – commercialization and financing*  
SGS 48<sup>th</sup> Annual Meeting, San Antonio, Texas

2023            Lecture            *Surgical management of bowel endometriosis*  
SGS 49<sup>th</sup> Annual Meeting, Tucson, Arizona

***International***

***(Note: The international organization AAGL is currently known by its initials and not its original name, the American Association of Gynecologic Laparoscopists, because it's scope is no longer only national but global. Therefore AAGL participation will be included in this international section (unless the focus is specifically national) and the organization will be referred to as AAGL.***

***Lectures given prior to Harvard Appointment***

2001            Lecture            *Perceived Proficiency in Laparoscopic Surgery amongst Senior Obstetrics and Gynecology Residents*  
30<sup>th</sup> Annual World Congress, American Association of Gynecologic Laparoscopists. San Francisco, CA

2004            Lecture            *Sperm Exposure and Development of Preeclampsia*  
4<sup>th</sup> International Workshop on Reproductive Immunology, Immunological Tolerance and Immunology of Preeclampsia. Groupe Hospitalier Sud-Reunion-GHSR. Reunion Island, France

2006            Lecture            *Minimally Invasive Hysterectomy*  
Department of Obstetrics and Gynecology, Brigham and Women's Hospital. Boston, MA

***Lectures given after Harvard Appointment***

2006            Lecture            *Laparoscopic Transection of TVT due to Urinary Retention.*  
35<sup>th</sup> Annual AAGL World Congress. Las Vegas, NV

2008            Lecture            *Endoscopy Training in USA*  
Lecture            *Complications in Laparoscopy*  
Lecture            *Is Robotic Total Laparoscopic Hysterectomy the Way Forward?*  
Norwegian Endoscopic Society International Gynecologic Endoscopy Meeting. Kvitfjell, Norway

2008            Lecture            *Pre-signs of a Complication: Tips, Tricks and Pitfalls*  
Moderator        *Laparoscopic Hysterectomy*  
Moderator        *Laparoscopic Hysterectomy (live telesurgery).*  
17<sup>th</sup> Annual Congress of the European Society for Gynaecological Endoscopy. Amsterdam, Holland

2008            Lecture            *Bidirectional Barbed Suture for Laparoscopic Myomectomy*  
Lecture            *Perceived Proficiency in Endoscopy among Senior Ob/Gyn Residents, An Update*  
Video            *Laparoscopic Uterine Artery Occlusion with Myomectomy*

	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 <sup>th</sup> Annual AAGL World Congress. Las Vegas, NV
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 <sup>th</sup> Annual AAGL World Congress. Orlando, FL
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 <sup>th</sup> 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 <sup>rd</sup> International Live Workshop on Advanced Endoscopy. Kochi, India
2010	Lecture	<i>Laparoscopic Myomectomy</i>
	Lecture	<i>Complications in Laparoscopy</i>
	Lecture	<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	<i>Myoma Associated Infertility</i>
	Lecture	<i>Hysterectomy Trends</i>
	Lecture	<i>Surgical Management of Severe Endometriosis</i>

	Moderator Telesurgery Telesurgery Telesurgery	<i>Laparoscopic Suturing Workshop</i> <i>Laparoscopic Myomectomy</i> <i>Laparoscopic Total Hysterectomy</i> <i>Laparoscopic Myomectomy</i> 43 <sup>rd</sup> 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</i> <i>Following Total Laparoscopic Hysterectomy vs. Laparoscopic</i> <i>Supracervical Hysterectomy.</i> <i>Laparoscopic Myomectomy, Tips and Tricks.</i> 19 <sup>th</sup> Annual Congress of the European Society of Gynecological Endoscopy. Barcelona, Spain
2010	Lecture Lecture Video	<i>The Case for Straight Stick Laparoscopy</i> <i>Retroperitoneal Side- wall Dissection</i> <i>Single Incision Laparoscopic Myomectomy</i> 39 <sup>th</sup> Annual AAGL World Congress. Las Vegas, NV
2011	Lecture  Lecture Lecture	<i>Innovations in Gynecological Laparoscopy – Robotics, Single</i> <i>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</i> <i>and a Critical Appraisal of Surgical Novelties.</i> <i>A Robot in Daily Practice for Hysterectomy: Cost Effectiveness</i> <i>Analysis and What About the Alternatives?</i> 9 <sup>th</sup> Annual Congress of the Dutch Society for Endoscopic Surgery (NVEC). Leiden, Holland
2011	Lecture Lecture Lecture Telesurgery	<i>Innovations in Laparoscopic Surgery</i> <i>Single Port Surgery. Is It a Step Forward? (Keynote Address)</i> <i>Laparoscopic Hysterectomy in Extensive Endometriosis.</i> <i>Orifice Assisted Small Incision Surgery (OASIS) Hysterectomy.</i> International Annual Conference of the Indian Association of Gynaecological Endoscopists (IAGE). Pune, India.
2011	Lecture Lecture  Lecture	<i>Cervical Incompetence and Laparoscopic Cerclage.</i> <i>Innovations in Gynecological Laparoscopy – Robotics, Single</i> <i>Port, Hand Ports</i> <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 <sup>th</sup> Annual Congress of the European Society of Gynecological Endoscopy. London, England.
2011	Lecture	<i>Use of Barbed Suture in Gynecologic Laparoscopy</i>
	Video	<i>Laparoscopic Excision of Deeply Infiltrative Endometriosis</i>
	Video	<i>Laparoscopic Myomectomy – Tips and Tricks</i>
	Video	<i>Laparoscopic Sacrocervicopexy – Tips and Tricks</i>
	Lecture	<i>Barbed vs. Standard Suture: A Randomized Comparison of Adhesion Formation and Ease of Use</i> 40 <sup>th</sup> Annual AAGL World Congress. Hollywood, FL
2011	Lecture	<i>Doing More with LESS: Feasibility in Benign Cases</i> 1 <sup>st</sup> 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>
	Lecture	<i>Laparoscopic Management of Pelvic Endometriosis</i>
	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>
	Lecture	<i>Laparoscopic Management of Uterine Fibroids.</i>
	Lecture	<i>Use of Barbed Suture in Gynecologic Laparoscopy</i>
	Lecture	<i>Cervical Incompetence and Laparoscopic Cerclage</i> 1 <sup>st</sup> National Congress of Minimally Invasive Surgery in Gynecology and the 8 <sup>th</sup> International Congress of AAGL. Bucharest, Romania
2012	Lecture	<i>Laparoscopic Cuff Closure Using Barbed vs. Braided Suture, a Randomized Trial</i>
	Moderator	<i>Live Telesurgery – Laparoscopic Hysterectomy for a Large Uterus</i> 41 <sup>st</sup> Annual AAGL World Congress. Las Vegas, NV



2012	Lecture	<i>Techniques for Bladder Endometriosis</i> Current Techniques in the Treatment of Severe Endometriosis. Institut de Recherche contre les Cancers de l'Appareil Digestif (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 <sup>st</sup> Annual Congress of the European Society of Gynecological Endoscopy. Paris, France
2012	Lecture	<i>Urological Lesions in TLH.</i> 2 <sup>nd</sup> EndoGyn Annual Meeting in Gynecologic Endoscopy. Noordwijk, Holland
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, FL
2013	Lecture	<i>Port Placement.</i>
	Lecture	<i>Managing Complications in Laparoscopic Surgery</i>
	Lecture	<i>The AAGL Position Statement on Robotic Surgery – the Current Status and Financial Impact</i>
	Lecture	<i>Laparoscopic Cerclage and Cervical Incompetence</i>
	Lecture	<i>Laparoscopic Hysterectomy, Tips and Tricks</i>
	Lecture	<i>Laparoscopic Retroperitoneal Anatomy</i> 9 <sup>th</sup> 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 International Xian Meeting and 9 <sup>th</sup> 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 <sup>th</sup> Annual Meeting of the Dutch Society of Endoscopy. Amsterdam, Holland
2013	Lecture Lecture Lecture  Lecture Lecture Lecture	<i>How to Avoid Complications at Hysterectomy</i> <i>Does Barbed Suture Work?</i> <i>Myomectomy; Techniques, Principles, Variations: Difficult Cases</i> <i>Adnexal Masses, Technical Principles</i> <i>Laparoscopic Entry Complications</i> <i>Robotic Surgery: Current Role and Future Challenges</i> Advanced Techniques in Operative Gynecological Endoscopy. IRCAD (Institut de Recherche contre les Cancers de l'Appareil Digestif) Taiwan. Taichung, Taiwan (Named Visiting Professor)
2013	Lecture	<i>Challenging TLH.</i> 3 <sup>rd</sup> EnGyn Europe (Endoscopic Gynecology) Meeting. Amsterdam, Holland
2014	Telesurgery	<i>Laparoscopic Management of Stage IV Endometriosis</i> AAGL Global Conference. Vancouver Canada
2014	Lecture Lecture Lecture	<i>Laparoscopic Hysterectomy, Step Wise Approach.</i> <i>Entry Complications</i> <i>Laparoscopic Myomectomy, Technique Principles</i> Advanced Techniques in Operative Gynecological Endoscopy. IRCAD (Institut de Recherche contre les Cancers de l'Appareil Digestif). Barretos, Brazil
2014	Lecture Lecture Telesurgery Telesurgery	<i>Laparoscopic Treatment of Severe Endometriosis</i> <i>The Morcellation Controversy – Next Steps</i> <i>Total Laparoscopic Hysterectomy for Large Fibroids</i> <i>Total Laparoscopic Hysterectomy for Endometriosis</i> AAGL 2014 International Xian Meeting and 10 <sup>th</sup> Xian National Gynecologic Endoscopic Conference. Xian, China
2014	Lecture  Moderator	<i>What is the Evidence Supporting Robotic Surgery in Benign Gynecology?</i>  <i>Live Telesurgery – Laparoscopic Myomectomy</i> 23 <sup>rd</sup> Annual Congress of the European Society of Gynecological Endoscopy. Brussels, Belgium
2015	Lecture Lecture Lecture Lecture	<i>Laparoscopic Myomectomy – Tips and Tricks</i> <i>Laparoscopic Management of Complications</i> <i>Contained Tissue Extraction</i> <i>Critical Review of Robotic Surgery in Benign Gynecology</i> 18 <sup>th</sup> Annual Gynecological Endoscopy Course, Hospital La Luz. Lisbon, Portugal

2015	Lecture Lecture Lecture	<i>Laparoscopic Suturing and Cuff Closure</i> <i>Laparoscopic Tissue Extraction</i> <i>The Future of Gynecologic Surgery (Keynote)</i> Oslo International Endoscopic Meeting, Ulleval Hospital. Oslo Norway
2015	Lecture	<i>Laparoscopic Surgery for Endometriosis</i> AAGL Regional Congress. Chongqing, China
2015	Lecture Debate Telesurgery Lecture	<i>Laparoscopic Hysterectomy – Practical Tips</i> <i>Laparoscopic Total Hysterectomy – Pro and Con</i> <i>Laparoscopic Myomectomy</i> <i>Morcellation and Fibroids, Pro and Con</i> 1 <sup>st</sup> Nordic Congress on Gynecologic Endoscopy, Nordic Society of Gynecologic Endoscopy. Hindsgavl, Denmark.
2015	Lecture Lecture	<i>The Barbed Suture</i> <i>Techniques for Minimizing Cuff Dehiscence</i> 11 <sup>th</sup> International AAGL Congress. Jerusalem, Israel
2015	Lecture Lecture	<i>Laparoscopic Hysterectomy, Tips and Tricks</i> <i>Laparoscopic Myomectomy and Tissue Extraction</i> 3 <sup>rd</sup> International Society of Gynecologic Endoscopy (ISGE) African Conference. Nairobi, Kenya
2015	Lecture Lecture	<i>Laparoscopic Cerclage, C-Section Scar Ectopic and Cornual</i> <i>Ectopic Pregnancy</i> <i>Laparoscopic Myomectomy and Tissue Extraction, The New</i> <i>Landscape</i> 55 <sup>th</sup> Annual Meeting of the Japan Society of Gynecologic and Obstetric Endoscopy and Minimally Invasive Therapy. Yokohama, Japan
2015	Debate Lecture	<i>Laparoscopic Power Morcellation of Presumed Fibroids – To</i> <i>Bag or Not To Bag?</i> <i>Laparoscopic Hysterectomy, A Review of Surgical Anatomy</i> 24 <sup>th</sup> Annual Congress of the European Society of Gynecological Endoscopy. Budapest, Hungary
2015	Lecture	<i>Laparoscopic Complications, How To Avoid and Manage</i> 14 <sup>th</sup> Annual Congress of the Czech Gynecologic Endoscopy Society. Olomouc, Czech Republic
2016	Lecture Telesurgery Telesurgery Telesurgery	<i>Prevention and Management of Laparoscopic Complications</i> <i>Laparoscopic Total Hysterectomy</i> <i>Laparoscopic Total Hysterectomy and Resection of Severe</i> <i>Endometriosis</i> <i>Laparoscopic Lysis of Adhesions and Laparoscopic Tuboplasty</i>

		1 <sup>st</sup> Annual MIGS Course sponsored by l’Hopital de Pikine. Dakar, Senegal
2016	Lecture	<i>Open and Laparoscopic Surgery.</i> Universita Degli Studi Di Genova, Modern Management of Uterine Myomas. Genoa, Italy
2016	Moderator Lecture	<i>Total Laparoscopic Hysterectomy, Live Surgery</i> <i>Managing Cuts, Burns, Perforations and Other Unfortunate</i> <i>Events During Laparoscopic Hysterectomy.</i> AAGL Global Hysterectomy Summit. San Diego, CA
2016	Telesurgery Telesurgery Lecture Lecture Main Oration	<i>Laparoscopic Myomectomy and Excision of Endometriosis</i> <i>Laparoscopic Resection of a Non-communicating Uterine Horn</i> <i>Large Uterus/Fibroids – Can We Do Laparoscopic Surgery?</i> <i>An Update of Tissue Extraction – What is the Silver Lining?</i> <i>The Tortuous Road of Innovation in Laparoscopic Surgery</i> 12 <sup>th</sup> AAGL International Congress, The Ultimate Advances in Minimally Invasive Gynecologic Surgery. Mumbai, India.
2016	Lecture	<i>Vaginal vs. Laparoscopic Prolapse Mesh? The Laparoscopic</i> <i>Route</i> 40 <sup>th</sup> Nordic Congress of Obstetrics and Gynecology. Helsinki, Finland
2016	Lecture	<i>Laparoscopic Prevention and Management of Complications.</i> 2 <sup>nd</sup> Oriental Congress of Obstetrics and Gynecology. Shanghai, China
2016	Lecture	<i>Essure Removal: How To Do It and Does It Work?</i> 25 <sup>th</sup> Annual Congress of the European Society of Gynecological Endoscopy. Brussels, Belgium
2017	Lecture	<i>Laparoscopic Myomectomy, the American Experience</i> Excellence through Collaboration Symposium, St Lucas Andreas Hospital. Amsterdam, Netherlands
2017	Lecture	<i>Barbed Suture</i> <i>Laparoscopic Complications</i> <i>Tissue extraction update</i> 13 <sup>th</sup> International AAGL Congress. Cartagena, Colombia
2017	Lecture	<i>“Who, How and why?” The Challenges of Credentialing in the</i> <i>USA</i> Australasian Gynecological Endoscopy & Surgery (AGES) 17 <sup>th</sup> Annual Scientific Meeting. Sydney, Australia
2017	Lecture	<i>Laparoscopic Hysterectomy, Tips and Tricks</i> <i>Laparoscopic Management of Apical Prolapse</i>

		<i>Laparoscopic Complications, Preventions and Management</i> 2 <sup>nd</sup> Nordic Congress on Gynaecological Endoscopy. Norefjell, Norway
2017	Lecture	<i>Why it's so important for patients to be managed in a referral center for endometriosis</i> Endometriosis2017. From Diagnosis to Medical and Surgical Management: A Stocktaking International Expert's Meeting. Naples, Italy.
2017	Lecture Lecture	<i>Morcellation in a bag - does it fit into clinical practice?</i> <i>In bag electromechanical morcellation</i> 26 <sup>th</sup> Annual Congress of the European Society of Gynecological Endoscopy. Antalya, Turkey
2017	Lecture	Presidential Address: <i>The future of our specialty – elevating gynecologic surgery</i> AAGL 46 <sup>th</sup> Global Congress. Washington, D.C.
2018	Lecture	<i>Could we prevent bad surgeons to work?</i> Beyond Gynecologic Surgery. Joint international meeting organized by AAGL, ESGE and APAGE. Clermont-Ferrand, France.
2018	Lecture	<i>Fast track surgery – the American perspective</i> 41 <sup>st</sup> Nordic Congress of Obstetrics and Gynecology. Odense, Denmark
2018	Lecture	<i>What is advanced surgery for endometriosis, where and by whom?</i> Society of Laparoendoscopic Surgeons, International MIS week. New York, NY
2018	Lecture Live telesurgery	<i>Laparoscopic Essure removal and Reversal</i> <i>Laparoscopic excision of advanced endometriosis</i> 14 <sup>th</sup> International AAGL Congress. Beijing China
2018	Lecture Lecture Moderator	<i>Laparoscopic Essure removal and Reversal</i> <i>Ovarian remnant, surgical management</i> <i>Live Telesurgery</i> 27 <sup>th</sup> Annual Congress of the European Society of Gynecological Endoscopy. Vienna, Austria
2018	Plenary	<i>The Hands. On-stage hands on competition.</i> AAGL 47 <sup>th</sup> Global Congress. Las Vegas, NV
2018	Lecture	<i>Teaching Laparoscopy, Myomectomy, Hysterectomy, Endometriosis</i> FIGO XXII World Congress of Gynecology and Obstetrics. Rio de Janeiro

2018	Lecture	<i>Laparoscopic myomectomy – the limits of laparoscopic myomectomy</i>
	Lecture	<i>Colposacropexy – the importance of being a high volume surgeon</i> 44 <sup>th</sup> International DEXEUS forum conference. Barcelona, Spain.
2019	Lecture	<i>Contained tissue extraction</i> Challenges in Surgery Meeting. Hamburg, Germany
2019	Lecture Chair Keynote Panelist	<i>Difficult myomectomies</i> <i>Surgical approaches of neurologic pain</i> <i>Is there a place for a pelvic surgeon sub-specialty?</i> <i>Controversy 2: Endometriomas</i> 4 <sup>th</sup> Endo Dubai meeting. Dubai, UE.
2019	Chair Debate Debate Debate Video Video Live Surgery	<i>Laparoscopic hysterectomy from A to Z</i> <i>Stepwise debate on laparoscopic hysterectomy</i> <i>Ovaries: take it or leave it</i> <i>Power morcellation: Where do we stand?</i> <i>Resection of transmural rectal endometriotic nodule and intracorporeal closure</i> <i>Management of frozen pelvis with large injury to the Cecum</i> <i>Laparoscopic Hysterectomy for a large uterus</i> 15 <sup>th</sup> Annual International AAGL Congress. Florence, Italy.
2019	Lecture Lecture Keynote Video Video Video Lecture	<i>LH step by step for trainees</i> <i>LH step by step for specialists</i> <i>Future of Gynecologic Surgery</i> <i>Laparoscopic management of adnexal masses</i> <i>Laparoscopic management of an ovarian remnant</i> <i>Laparoscopic sacrocervicopexy</i> <i>Tips and tricks of tissue extraction</i> 3 <sup>rd</sup> Nordic Congress on Gynecological Endoscopy. Helsinki, Finland.
2019	Lecture	<i>Comparison of morcellation techniques at the time of laparoscopic hysterectomy and myomectomy.</i> 28 <sup>th</sup> Annual Congress of the European Society of Gynecological Endoscopy. Thessaloniki, Greece
2019	Lecture Keynote	<i>Complications in laparoscopic surgery – how to avoid and manage.</i> <i>Surgical training and education in gynecology</i> Annual Norwegian Ob/Gyn Society Meeting. Bodo, Norway
2019	Lecture	<i>Surgical management of urinary tract endometriosis</i> AAGL 48 <sup>th</sup> Global Congress. Vancouver, Canada
2020	Lecture	<i>A Surgeon’s experience with medical device development</i> AAGL 49 <sup>th</sup> Global Virtual Congress
2020	Lecture Lecture	<i>What is the future of tissue extraction in laparoscopic surgery?</i> <i>Laparoscopic cerclage placement, technique and evidence</i>

		37 <sup>th</sup> Chilean Ob/Gyn Association Annual Meeting (virtual).
2021	Lecture	<i>What is advanced surgery for endometriosis, where and by whom?</i> Virtual Endo-24. A global view
2021	Lecture	<i>Safety of minimally invasive tissue extraction in fibroid management.</i> Society of European Robotic Gynecologic Surgery (SERGS) 13 <sup>th</sup> Annual Meeting. Svendborg, Denmark
2021	Live Surgery	<i>Laparoscopic Myomectomy</i> FIGO 13 <sup>th</sup> World Congress (virtual)
2021	Lecture	<i>Laparoscopic management of endometriosis, pearls and pitfalls</i> Xian Gynecological Endoscopic International Conference. Xian China
2021	Lecture	<i>Endometriosis of the bladder and ureter – my approach.</i> AAGL 50 <sup>th</sup> Global Congress. Austin, Texas.
2022	Lecture	<i>Innovation in minimally invasive surgery.</i> 7 <sup>th</sup> Endo Dubai meeting. Dubai, UE.
2022	Lecture	<i>Enemy, false-friend or friend? Laparoscopic surgical anatomy and different strategies for tackling the ureter in radical pelvic surgery.</i> 3 <sup>rd</sup> ISSA International Conference. Verona, Italy.
2022	Video	<i>Laparoscopic release of sacral nerve root piriformis entrapment.</i> 31 <sup>st</sup> Annual Congress of the European Society of Gynecological Endoscopy. Lisbon, Portugal
2022	Lecture	<i>The pelvic sidewall and the endometriosis surgeon.</i> AAGL 50 <sup>th</sup> Global Congress. Denver, Colorado
2023	Lecture	<i>Ovarian surgery: enhancing safety, minimizing damages.</i> GynItaly International Meeting. Rome, Italy.
2023	Lecture Lecture	<i>The large uterus</i> <i>Bowel endometriosis, shaving or bowel resection?</i> 4 <sup>th</sup> Nordic Congress of Gynecologic Endoscopy. Middelfart, Denmark
2023	Lecture Lecture	<i>Tissue extraction, tips and tricks</i> <i>Laparoscopic excision of endometriosis in unusual locations</i> 3 <sup>rd</sup> International EFRE Congress. Cairo, Egypt.
2023	Live telesurgery Lecture Lecture Lecture	<i>Laparoscopic hysterectomy</i> <i>Laparoscopic hysterectomy, tips and tricks</i> <i>Laparoscopic complication, management and prevention</i> <i>Pelvic sidewall anatomy for the pelvic surgeon</i>

Lecture *Laparoscopic management of endometriosis*  
 International Conference on Gynecologic Laparoscopic Surgery.  
 Kinshasa, Democratic Republic of Congo.

## REPORT OF CLINICAL ACTIVITIES AND INNOVATIONS

### Current Licensure and Certification:

1996- Icelandic Medical License  
 2002-16 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	Landspítali-University Hospital	2-4 sessions per week
2004-6	Operating room	Landspítali-University Hospital	4-6 sessions per week
2006-	Outpatient clinic	Brigham and Women's Hospital	2-4 sessions per month
2006-	Operating room	Brigham and Women's Hospital	4-6 sessions per month
2007-	Operating room	Faulkner Hospital	2-4 sessions per month
2008-13	Outpatient clinic	South Shore Hospital	1 session per month
2008-13	Operating room	South Shore Hospital	2-4 sessions per month
2021-	Operating room	Klinikin – Iceland	10-12 sessions/month
2021	Outpatient clinic	Klinikin – Iceland	12-16 sessions/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. I began offering these procedures in 2008 and they have been widely adopted locally, nationally and internationally.
2. **Bidirectional Barbed Suture** - 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. The first publication was in 2008 and the use of barbed suture is now considered standard of care for laparoscopic suturing in gynecologic laparoscopic surgery locally, nationally and internationally.
3. **Orifice Assisted Single Incision Surgery (OASIS)** - I developed 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). The first publication was in 2012 and there has been some adoption of this approach internationally, mostly in India.

## **REPORT OF TECHNOLOGICAL / SCIENTIFIC INNOVATIONS**

1. **Laparoscopic Uterine Manipulator, U.S. Patent Application No. 14/375,200, filed July 29<sup>th</sup>, 2014 and issued as U.S. Patent No. 10,016,219 on July 10, 2018, U.S. Patent Application No. 14/463,798, filed August 20<sup>th</sup>, 2014 and issued as U.S. Patent No. 9,629,660 on April 25, 2017 and U.S. Patent Application No. 15/463,743, filed March 20, 2017 (allowed).**

I have developed a novel laparoscopic uterine manipulator. This device is designed to greatly facilitate the performance of laparoscopic hysterectomies and other minimally invasive procedures. A prototype has been built and tested in human subjects. This device has been licensed to a large medical device company.

2. **Laparoscopic Tissue Extractor, U.S. Patent Application No. 14/775,053, filed September 11, 2015 and issued as U.S. Patent No. 10,258,364 on April 16, 2019 and U.S. Patent Application No. 16/376,549, filed on April 5, 2019 (pending)**

I am developing a novel laparoscopic tissue extractor in conjunction with a Harvard engineering team. This device will revolutionize tissue extraction by making it safer and faster as well as completely contained. A prototype has been built and testing is underway. This device has been optioned to a large medical device company.

3. **Mesh-Fastening Device US Patent Application 15/987,733, filed May 23<sup>rd</sup>, 2018 (allowed)**

I have designed a novel mesh-fastening device. This device will greatly facilitate mesh fastening, both for laparoscopic pelvic organ prolapse repair and for laparoscopic hernia repair. A prototype has been built and further development is underway.

4. **Laparoscopic Cuff Closure Device U.S. Patent Application No. 16/368,495, filed March 28, 2019 and issued as U.S. Patent No. 10,542,968 on January 28, 2020, and U.S. Patent Application No. 16/752,712, filed January 27, 2020 (pending)**

I have designed an automatic vaginal cuff closure device. This device will standardize vaginal cuff closure and has the potential to greatly decrease the risk of vaginal cuff dehiscence. It will also make vaginal cuff closure much faster than using standard equipment. The device has been licensed to a major medical device company.

5. **Inflatable Bag System for Mechanical Morcellation PCT/US2014/068109, filed December 2<sup>nd</sup>, 2014**

I have designed an inflatable bag system to enable contained mechanical morcellation with an electromechanical morcellator. A patent application has been filed. This system promises to enable electromechanical morcellation that is contained, effective and safe for our patients.

6. **Laparoscopic tissue extraction device U.S. Patent Application No. 15/977,251, filed May 11, 2018 (pending) and European Patent Application No. EP17884362.9 (pending)**

I have developed a novel contained tissue extraction device that enables safe tissue extraction without any spillage. Prototyping and clinical testing is ongoing. This device has been optioned to a large medical device company.

7. **Laparoscopic entry device**  
**U.S. Patent Application No. 16/780,938, filed February 4, 2020 (pending), European Patent Application No. EP18840663.1 (pending) and Japanese Patent Application No. 2020-529116 (pending)**  
I have developed a novel laparoscopic entry device that has the promise of enabling safer abdominal entry in laparoscopic surgery. Prototyping and clinical testing is ongoing.
8. **Ovarian cancer and endometriosis screening device**  
**International Patent Application No. PCT/US2019/065723, filed December 11, 2019 (pending)**  
I have developed a unique device that enables in office screening for ovarian cancer and endometriosis. Prototyping and clinical testing is ongoing.
9. **Bladder illumination device**  
**U.S. Patent Application No. 63/012,056 (pending)**  
I have developed a unique device that enables bladder illumination as well as bladder imaging during pelvic surgery procedures. Prototyping and clinical testing is ongoing.
10. **Mesh less, incision less Stress Urinary Incontinence device**  
**U.S. Patent Application No. 63/045,918, filed June 30, 2020**  
This is a novel method for treating Stress Urinary Incontinence without an incision and without mesh. Prototyping and clinical testing is ongoing.

## 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**, Henao 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, Makhlof 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**, 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.
15. **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.
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. **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.

20. **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.
21. 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.
22. 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.
23. **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.
24. **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.
25. **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.
26. 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.
27. 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.
28. 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.
29. Sandberg EM, Cohen SL, Hurwitz S, **Einarsson JI**. Utility of cystoscopy during hysterectomy. *Obstet Gynecol*. 2012 Dec; 120(6):1363-70.
30. Wright KN, Jonsdottir GM, Jorgensen S, Shah N, **Einarsson JI**. Costs and outcomes of abdominal, vaginal, laparoscopic and robotic hysterectomies. *JSLs*. 2012; 16(4):519-24.
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 May; 208 (5):368 e1-7.
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35. **Einarsson JI**, Cohen SL, Fuchs N, Wang KC. In bag morcellation (IBM). *J Minim Invasive Gynecol* 2014 Sep-Oct; 21(5):951-3
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37. Cohen SL, Greenberg JA, Wang KC, Srouji SS, Gargiulo AR, Pozner CN, Hoover N, **Einarsson JI**. Risk of leakage and tissue dissemination with various contained tissue extraction (CTE) techniques: an in vitro pilot study. *J Minim Invasive Gynecol* 2014 Sep-Oct; 21(5):935-9
38. Vree FE, Cohen SL, Chavan N, **Einarsson JI**. The impact of surgeon volume on perioperative outcomes in hysterectomy. *JSLs*. 2014; 18(2):174-81.
39. 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* 2015 Jan;122(1):137-40.
40. 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.
41. **Einarsson J**. FOR: Robotic surgery has no advantages over conventional laparoscopic surgery. *BJOG* 2014 Nov; 121(12):1554.
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43. Brito LG, Pouwels NS, **Einarsson JI**. Sexual function after hysterectomy and myomectomy. *Surg Technol Int* 2014 Nov; 25:191-3.
44. 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* 2015 Jan; 122(1):137-40.
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46. Vargas MV, Cohen SL, Fuchs-Weizman N, Wang KC, Manoucheri E, Vitonis AF, **Einarsson JI**. Open power morcellation versus contained power morcellation within an

- insufflated isolation bag: comparison of perioperative outcomes. *J Minim Invasive Gynecol* 2015 Mar-Apr; 22(3):433-8.
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  48. Weizman F, **Einarsson JI**, Wang KC, Vitonis AF, Cohen SL. Vaginal cuff dehiscence: risk factors and associated morbidities. *JLS* 2015 Apr-Jun; 19(2).
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## **Book Chapters**

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## Professional Educational Materials or Reports, in Print or Other Media

*I developed and organized these online courses with Harvard Department of Continuing Education. The material consists of clinical vignettes and multiple-choice questions. The material is accessed locally, nationally, and internationally and the intended audience is obstetricians and gynecologists in practice. CME credits are awarded for successful completion of each course.*

- 2012- Infertility and Endocrinology.
- 2012- Early Pregnancy Complications
- 2012- Surgical Gynecology
- 2012- Gynecological Malignancies

### Thesis:

The use of bidirectional barbed suture in gynecologic laparoscopic surgery. University of Iceland University Press, July 2013.

## Abstracts, Poster Presentations and Exhibits Presented at Professional Meetings

### 2014

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### 2015

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## **NARRATIVE REPORT**

I am the Founder of the Division of Minimally Invasive Gynecologic Surgery (MIGS) at Brigham and Women's Hospital. The MIGS Division is a referral practice that accepts challenging cases that are not usually considered candidates for minimally invasive surgery due to complex pathology or significant medical comorbidities. I am also in private practice in a surgical referral center at Klinikin, based in Reykjavík, Iceland. Because of my high annual caseload of advanced laparoscopic procedures, I am a proficient and highly sought after gynecologic surgeon in this subspecialty. These procedures account for approximately 65% of my professional time. I am also the founder 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 attendings. This teaching 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 research component accounts for approximately 10% of my professional time. Finally, I am involved in divisional administrative activities plus national and international societies which accounts for approximately 10% of my professional time.

### **Area of Excellence:**

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 several "firsts" at BWH 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. These have helped to shape practice in minimally invasive gynecologic surgery. 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 many telesurgeries nationally and internationally.

### **Teaching:**

My contributions to education include active teaching of medical students, residents, fellows and staff in the operating room. I am also faculty 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.

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 educational 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.



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