



# MINIMALLY INVASIVE GYNECOLOGY SURGERY FELLOWSHIP

**Hyein Park, MD**

**Jessica Chandler, DO**

**Fellows, Minimally Invasive Gynecologic Surgery**

Region 15 RHP Meeting  
El Paso First Health  
March 30, 2016

# Fellowship Description

- **American Association of Gynecologic Laparoscopists (AAGL) approved Fellowship in Minimally Invasive Gynecologic Surgery (MIGS)**
  - 2-year program focusing on advanced benign (noncancerous) gynecologic surgery and procedures
  - Clinical research and publications
- **Supported internally by the Dept. of OB/GYN**
  - Fellows work in clinic and hospital setting to develop interpersonal and medical skills necessary to specialize in MIGS
  - Junior faculty who supervise residents and participates in Grand Rounds

# Benefits to the Community

- **Increased Gynecologic Services Provided to the Women on the Border**
  - Patients seen at Texas Tech, UMC, Las Palmas Medical Center and The Hospitals of Providence networks
- **Increased awareness of the diversity of Borderland to Outside Providers**
  - New physicians visit the area each year to explore the opportunities provided by the program
  - Each year, an additional provider joins the program
- **Benefits of Minimally Invasive Surgery**
  - Lower incidence of surgical site infections
  - Smaller incisions and less scarring
  - Shorter time in the hospital
  - Less narcotic pain medication use and less blood loss

# Fellowship Progress

- **Milestones**

- Dr. Sandra Lopez-- the program's first graduate joined the faculty in July of 2015
- Dr. Richard Arms is set to join the program in July 2016

- **Education**

- 1<sup>st</sup> Annual International Simulation Conference

- **Continued development with other local healthcare initiatives**

- Dr. Benjamin Clapp – Laparoscopic General Surgery & Bariatric Surgery (*New for the 2015-2016 training year*)



# Continuous Quality Improvements

- Patient Encounters are logged to an electronic tracking system
- Weekly clinic appointments are available for expedited follow-up for ER patients and those that require prompt evaluation of surgical treatment of GYN issues
- Close monitoring of surgical site infections

# Milestone Data

## Tracking of Surgical Site Infection



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DSRIP Project 084597603.1.7  
IT-4.4:Surgical Site Infections (SSI) Rates  
Category 3.9  
MIGS Fellowship  
**Unique Patients by DY**

**Reporting Period**

10/01/2014 to 09/30/2015

**Identifiers:**

Patients with a surgical procedure completed  
Patients who had a surgical site infection within 30 days after operative procedure

**DY5 GOAL: 10.6%**

DSRIP Category	Count of Patients (non duplicated)			
	DY 2	DY 3	DY 4	DY 5
Patients with a Surgical Site Infection within 30 days	**	8	8	10
Total Unique Patients with an operative procedure		68	252	110
Total % Patients with a Surgical Site Infection		<b>11.76%</b>	<b>3.17%</b>	<b>9.09%</b>



# Clinical Outcomes Data

## UNIQUE PATIENTS SEEN

Data Source: Texas Tech Univ. HSC -EMR



DSRIP Project084597603 1.7

Total Number of Unique Patients - OB Gyn/MIS Patients

By DSRIP Category

Unique Patients By Month

Reporting Period 10/01/2015 to 09/30/2016

Identifiers: Patients seen by Dr. J. Chandler  
Patient seen by Dr. Hyein Park

DY5 GOAL: 400

DSRIP Category	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
ALL OTHERS	9	5	4	9	15	2							44
MEDICAID	1	0	4	5	3	3							16
UNINSURED	35	15	17	41	36	37							181
Total Unique Patients	45	20	25	55	54	42							241
% Medicaid	2%	0%	16%	9%	6%	7%							7%
% Uninsured	78%	75%	68%	75%	67%	88%							18%





# Clinical Outcomes Data

## TOTAL PATIENT ENCOUNTERS

Reporting Period: October 1, 2015 - September 30, 2016 (DY 5)



DSRIP Project084597603 1.7

Total Number of **Patient Encounters** - OB Gyn/MIS Patients

By DSRIP Category

**Encounters By Month**

**Reporting Period**

10/01/2015 to 09/30/2016

**Identifiers:**

Patients seen by Dr. J. Chandler

Patient seen by Dr. Hyein Park

DY5 GOAL: 635

DSRIP Category	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
ALL OTHERS	11	12	12	13	24	10							82
MEDICAID	1	0	5	8	5	8							27
UNINSURED	41	39	36	79	78	86							359
Total Encounters	53	51	53	100	107	104							468
% Medicaid	2%	0%	9%	8%	5%	8%							6%
% Uninsured	77%	76%	68%	79%	73%	83%							18%





# Innovation

- **Ideas and Research presented**
  - 4 abstracts presented at the 44th AAGL Global Congress of Minimally Invasive Gynecology in November 2015
    - **Hyein Park, MD:**
      - Use of Laparoscopy in Unexplained Infertility in Historically Underserved Area
      - Novel Use of Indocyanine Green for Intraoperative, Real-time Localization of Ureter During Robot-assisted Excision of Endometriosis
    - **Jessica Chandler, DO:**
      - Vaginal Tissue Extraction With a Contained Bag System
    - **Sandra Lopez, MD:**
      - Hospital Outcomes of Robotic Versus Laparoscopic Hysterectomy: A Texas Statewide Analysis
  - **Publications:** A Comparison of Outcomes Between Robotic-Assisted, Single-Site Laparoscopy Versus Laparoendoscopic Single Site for Benign Hysterectomy. *Journal of Minimally Invasive Gynecology*, Vol. 23, Issue 1, p84–88
  - **Ongoing Study:** Outcomes of patients undergoing Total Laparoscopic Hysterectomy with Contained Vaginal Extraction verses patients undergoing Total Abdominal Hysterectomy with a Uterine Weight Greater than 450 Grams

# Looking Ahead

- Continue to develop and implement guidelines that will offer the benefits of minimally invasive gynecologic surgery.
- Begin tracking the long-term benefits of a fellowship in Minimally Invasive Gynecologic Surgery in the El Paso-Juarez region.
- Strive to fulfill the DY5 goals for:
  - Surgical Site infections
  - Unique Patient's Seen
  - Total Patient Encounters

J. Sal Saldivar, MD  
Program Director



Richard Farnam, MD  
Co-Director



Sandra Lopez, MD  
First Program Graduate

Hyein Park, MD

Jessica Chandler, DO

Richard Arms, MD  
Incoming 2016 Fellow



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Fellowship in Minimally Invasive Gynecology Surgery

# QUESTIONS?



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# COMMENTS?