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)**
  o 2-year program focusing on advanced benign (noncancerous) gynecologic surgery and procedures
  o Clinical research and publications

• **Supported internally by the Dept. of OB/GYN**
  o Fellows work in clinic and hospital setting to develop interpersonal and medical skills necessary to specialize in MIGS
  o 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**
  o Dr. Sandra Lopez-- the program’s first graduate joined the faculty in July of 2015
  o Dr. Richard Arms is set to join the program in July 2016

• **Education**
  o 1st Annual International Simulation Conference

• **Continued development with other local healthcare initiatives**
  o 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**

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

<table>
<thead>
<tr>
<th>Reporting Period</th>
<th>10/01/2014 to 09/30/2015</th>
</tr>
</thead>
</table>
| **Identifiers:** | Patients with a surgical procedure completed  
Patients who had a surgical site infection within 30 days after operative procedure |

<table>
<thead>
<tr>
<th>DSRIP Category</th>
<th>Count of Patients (non duplicated)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DY</strong></td>
<td><strong>DY 2</strong> <strong>DY 3</strong> <strong>DY 4</strong> <strong>DY 5</strong></td>
</tr>
<tr>
<td>Patients with a Surgical Site Infection within 30 days</td>
<td>****</td>
</tr>
<tr>
<td>Total Unique Patients with an operative procedure</td>
<td>68</td>
</tr>
<tr>
<td>Total % Patients with a Surgical Site Infection</td>
<td><strong>11.76%</strong></td>
</tr>
</tbody>
</table>

**DY5 GOAL: 10.6%**
## 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

<table>
<thead>
<tr>
<th>DSRIP Category</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALL OTHERS</td>
<td>9</td>
<td>5</td>
<td>4</td>
<td>9</td>
<td>15</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>44</td>
</tr>
<tr>
<td>MEDICAID</td>
<td>1</td>
<td>0</td>
<td>4</td>
<td>5</td>
<td>3</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>16</td>
</tr>
<tr>
<td>UNINSURED</td>
<td>35</td>
<td>15</td>
<td>17</td>
<td>41</td>
<td>36</td>
<td>37</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>181</td>
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**Total Unique Patients**

<table>
<thead>
<tr>
<th></th>
<th>45%</th>
<th>20%</th>
<th>25%</th>
<th>55%</th>
<th>54%</th>
<th>42%</th>
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</table>

<table>
<thead>
<tr>
<th>% Medicaid</th>
<th>2%</th>
<th>0%</th>
<th>16%</th>
<th>9%</th>
<th>6%</th>
<th>7%</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>% Uninsured</th>
<th>78%</th>
<th>75%</th>
<th>68%</th>
<th>75%</th>
<th>67%</th>
<th>88%</th>
</tr>
</thead>
</table>
Clinical Outcomes Data

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

Data Source: Texas Tech Univ. HSC - EMR

DY5 GOAL: 635
Innovation

• Ideas and Research presented
  o 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
  o 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:
  o Surgical Site infections
  o Unique Patient’s Seen
  o 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?