MINIMALLY INVASIVE GYNECOLOGY SURGERY FELLOWSHIP

Oscar A. Perez Jr.
Sr. Director of Strategic Clinical Initiatives

Region 15 RHP Meeting
El Paso First Health, 1145 Westmoreland Drive
June 24, 2015 - 1:00pm
Description of the Project

• **AAGL approved Fellowship in MIS**
  • 2-year program introducing one new Fellow per year matched through AAGL from around the country
  • Faculty preceptors from Texas Tech and the El Paso community

• **Supported internally by the Dept. of OB/GYN**
  • Fellows work in clinic and hospital environments to develop interpersonal skills along with medical skills to specialize in MIS

• **Milestones – Core Components**
  • Increase the number of residents choosing MIS specialties (current shortage)
  • Design workforce enhancement initiatives to support access to MIS providers in El Paso region (historically underserved)
  • Expand MIS training
  • Continuous Quality Improvement
Benefits to the Community

• **Increased Gynecologic Services Providers**
  • Patients seen at Texas Tech, UMC, Del Sol/Las Palmas Medical Centers and in the Sierra-Providience Health Network
  • An independent provider for the greater El Paso community

• **Increased pool of Outside Applicants to our Program**
  • New Talented Doctors are introduced to the El Paso area for increased specialist training in an underserved population

• **Benefits of Minimally Invasive Surgery**
  • lower incidence of site infections
  • smaller incisions and less scarring
  • shorter time in the hospital
  • less analgesic and blood loss
Progress

• **Milestones**
  - Hyein Park, MD – Fellow as July 2014- 2016
  - Jessica Chandler, MD – NEW Fellow July 2015-2017
  - Training equipment to practice techniques outside of the OR
  - More patients have been seen each quarter since the program began

• **Risk Areas and Mitigation strategies**
  - Faculty preceptors role as supervisors and mentors
  - Patient Data Collection Issues

• **Anticipated outcomes**
  - Successful completion of MIS services availability to the region which has been historically underserved

• **Connection with other local healthcare initiatives**
  - Dr. Luis Noble - Southwest Center for Reproductive Health
  - Dr. Richard Farnam - Texas Gynecology and Laser Surgery Center
  - Dr. Mario Nutis - Center of Excellence in Minimally Invasive Gynecology
# Milestone Data

## Tracking of Surgical Site Infection Rates 8.33%

![Texas Tech University Health Sciences Center logo]

**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>
<tbody>
<tr>
<td><strong>Identifiers:</strong></td>
<td></td>
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<tr>
<td></td>
<td>Patients with a surgical procedure completed</td>
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<tr>
<td></td>
<td>Patients who had a surgical site infection within 30 days after operative procedure</td>
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<table>
<thead>
<tr>
<th>DSRIP Category</th>
<th>Count of Patients (non duplicated)</th>
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<tbody>
<tr>
<td>DY</td>
<td><strong>DY 2</strong></td>
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<tr>
<td>Total Unique Patients with an operative procedure</td>
<td><strong>68</strong></td>
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<tr>
<td>Patients with a Surgical Site Infection within 30 days</td>
<td><strong>8</strong></td>
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<tr>
<td>Total % Patients with a Surgical Site Infection</td>
<td><strong>11.76%</strong></td>
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</table>
### Clinical Outcomes Data

#### UNIQUE PATIENTS SEEN

Reporting Period: October 1, 2014 - September 30, 2015 (DY 4) 281

<table>
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<tr>
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<td>Patients</td>
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<td>7</td>
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<tr>
<td>UNINSURED</td>
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<td>38</td>
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<td><strong>Total Patients</strong></td>
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<td><strong>51</strong></td>
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</tbody>
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**Goal** 160

Identifiers: Patients seen by Dr. Sandra Lopez, Patient seen by Dr. Hyein Park
## Clinical Outcomes Data

**TOTAL PATIENT ENCOUNTERS**

Reporting Period: October 1, 2014 - September 30, 2015 (DY 4)  
554

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<table>
<thead>
<tr>
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<th>DY 3</th>
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<td></td>
<td>Encounters</td>
<td>%</td>
<td>Encounters</td>
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<td>OTHER</td>
<td>9</td>
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<td>71%</td>
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<tr>
<td>Total Patients</td>
<td>72</td>
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<td>370</td>
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Goal 426
Innovation

• Ideas and Research presented
  • 3 abstracts presented at the 43rd AAGL Global Congress of Minimally Invasive Gynecology in November 2014
    • **Sandra Lopez MD**: A Comparison of Outcomes between Robotic-Assisted Single-Incision Laparoscopy Versus Single-Incision Laparoscopy for Benign Hysterectomy
    • **Hyein Park MD**: Functional Outcomes of Robotic Assisted Laparoscopic Mesh Sacrocolpopexy (RASC) and Mesh Rectopexy for Combined Vaginal and Rectal Prolapse
    • **J. Sal Saldivar MD**: A Comprehensive 4-Phase Robotic Gynecologic Surgery Curriculum Congruent with PGY Levels Leads to Certification and Credentialing
  • Ongoing Study: Novel Use of Indocyanine Green for Intraoperative, Real-time Localization of Ureter During Robot-assisted Excision of Endometriosis
  • Ongoing Study: Significance of Laparoscopic Excision of Endometriosis in Infertility Patients
Continuous Quality Improvements

- Offsite Patient Encounters are logged to an electronic tracking system with MIS Ipad’s
- Clinic Dates provide one full day of clinic time a week to streamline efficiency for fellows and maximize patient load
- Improved Communication through regular MIS and DSRIP scheduled meetings
- Use of a portable visual aid flip chart to educate patients about MIS procedures...
Lessons Learned

• Discussion