Surgical Management of Prostate Cancer

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Urology of Central PA
Treatment Options

- Active Surveillance
- Surgery
  - Robotic
  - Open
- Radiation
  - External
  - Brachytherapy
  - Proton Beam
- Cryotherapy
Robotic Surgery

- Used for >80% of prostatectomies in US
- x10 magnified view during surgery
- Less blood loss
- Less pain
- Shorter hospital stay
- Precise removal of cancerous tissue
- Faster return of erectile function
- Improved return of urinary continence
# Comparison of Outcomes

<table>
<thead>
<tr>
<th>Outcome</th>
<th>da Vinci</th>
<th>Open</th>
<th>Lap</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cancer control</td>
<td>2.5(^1)</td>
<td>5.9(^2)</td>
<td>7.7(^3)</td>
</tr>
<tr>
<td>T2 margin status</td>
<td></td>
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<tr>
<td>Complications</td>
<td></td>
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<tr>
<td>Estimated blood loss (EBL)</td>
<td>109 ml(^4)</td>
<td>1355 ml(^5)</td>
<td>380 ml(^6)</td>
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<tr>
<td>Length of stay (LOS)</td>
<td>1.2 days(^4)</td>
<td>3 days(^5)</td>
<td>2.5 days(^13)</td>
</tr>
<tr>
<td>Major</td>
<td>1.7%(^4)</td>
<td>6.7%(^5)</td>
<td>3.7%(^6)</td>
</tr>
<tr>
<td>Minor</td>
<td>3.7%(^4)</td>
<td>12.6%(^5)</td>
<td>14.6%(^6)</td>
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<tr>
<td>Urinary function</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 month</td>
<td>92.9%(^7)</td>
<td>54%(^8)</td>
<td>62%(^9)</td>
</tr>
<tr>
<td>6 month</td>
<td>94.9%(^7)</td>
<td>80%(^8)</td>
<td>77%(^9)</td>
</tr>
<tr>
<td>12 month</td>
<td>97.4%(^7)</td>
<td>93%(^8)</td>
<td>83%(^9)</td>
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<td>Sexual function</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12 month</td>
<td>86%(^10)</td>
<td>71%(^11)</td>
<td>76%(^12)</td>
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</tbody>
</table>
Surgery Set-up
Trocar Placement
Bladder Neck Dissection
NeuroVascular Bundle
Urethral Dissection
Anastomosis
UCPA Robotic Surgeons

- Scott Owens
- Christopher Moyer
- Lewis Harpster
- Thomas Clements
UCPA Experience

- Since beginning to use robotics in 2006, our team has performed >600 prostatectomies with excellent results.
Questions?