**Patient Recruitment, Randomization and Surgical Interventions**

<table>
<thead>
<tr>
<th>Identification of Patients</th>
<th>Direct referral-within center</th>
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| **Assessment of Patient Eligibility** | Study explanation  
History-review eligibility criteria,  
and other relevant medical conditions |
| Physical Examination | Screening Form |
| Radiographs | |
| Informed Consent, if eligible | Informed Consent |
| | All eligible patients who consent to the trial |
| **Randomization** | 24 hour web-based or telephone |
| | Eligibility criteria reviewed again  
Key patient information recorded |
| Randomization issued to patient | Baseline Form  
Randomization Form |
| **Surgery** | Either high, low or gravity flow  
with soap solution or saline solution  
Surgical protocols will be followed |
| **Follow Up Schedule** | |
| 1 Week | Assessment of outcome events  
Follow-Up Form SF-12, EQ-5D, SPOC |
| 2 Weeks | Assessment of outcome events  
Follow-Up Form SF-12, EQ-5D |
| 6 Weeks | Assessment of outcome events  
Follow-Up Form SF-12, EQ-5D, SPOC |
| 3 Months | Assessment of outcome events  
Follow-Up Form SF-12, EQ-5D |
| 6 Months | Assessment of outcome events  
Follow-Up Form SF-12, EQ-5D |
| 9 Months | Assessment of outcome events  
Follow-Up Form SF-12, EQ-5D |
| 12 Months | Assessment of outcome events  
Follow-Up Form SF-12, EQ-5D |

*Follow Up Form includes antibiotic use, AEs, SAEs, infections, reoperations, protocol deviations or wound healing problems, and appropriate forms.*