**Intraoperative Period**

**Surgeon Actions**

- **Do NOT use laminar airflow ventilation systems** (not beneficial for patients undergoing total arthroplasty surgery)

  - Supported by: Procurement/Estates and Maintenance Staff

- **Use either disposable sterile non-woven or reusable sterile woven drapes and surgical gowns**

  - Supported by: Procurement/Estates and Maintenance Staff

- **Do NOT use plastic adhesive incise drapes** (neither those with nor those without antimicrobial properties)

  - Supported by: Procurement

- **Use alcohol-based solution containing chlorhexidine gluconate for skin preparation**

  - Supported by: Procurement/Estates and Maintenance Staff

- **Do NOT use antimicrobial sealants after surgical site skin preparation**

  - Supported by: Procurement

- **Administer 80% fraction of inspired oxygen (FiO₂)** (in adults undergoing general anaesthesia with endotracheal intubation)

  - Supported by: Procurement/Estates and Maintenance Staff

- **Consider using a warming device**

  - Supported by: Procurement

- **Consider using a protocol for intensive blood glucose control** (for both diabetic and non-diabetic adult patients)

  - Supported by: Clinical Staff
**SURGICAL SITE INFECTION PREVENTION RECOMMENDATIONS**

**INTRAOPERATIVE PERIOD**

<table>
<thead>
<tr>
<th>ACTION</th>
<th>SUPPORTED BY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consider using goal-directed therapy</td>
<td>SURGICAL TEAM, PROCUREMENT</td>
</tr>
<tr>
<td>Consider irrigating incisional wound with an aqueous povidone iodine solution before closure (in clean and clean-contaminated wounds)</td>
<td>SURGICAL TEAM, PROCUREMENT</td>
</tr>
<tr>
<td>Do NOT perform antibiotic wound irrigation</td>
<td>SURGICAL TEAM, PROCUREMENT</td>
</tr>
<tr>
<td>Consider using wound protector devices (in clean-contaminated, contaminated and dirty abdominal procedures)</td>
<td>SURGICAL TEAM, PROCUREMENT</td>
</tr>
<tr>
<td>Consider prophylactic negative pressure wound therapy (primarily in closed surgical incisions in high-risk wounds)</td>
<td>SURGICAL TEAM, PROCUREMENT</td>
</tr>
<tr>
<td>Consider using triclosan-coated sutures</td>
<td>SURGICAL TEAM, PROCUREMENT</td>
</tr>
<tr>
<td>Maintain asepsis and discipline in the operating room</td>
<td>SURGICAL TEAM, CLINICAL STAFF</td>
</tr>
</tbody>
</table>

**INFECTION PREVENTION AND CONTROL (IPC) TEAM**

- Maintain asepsis and discipline in the operating room
- Consider using goal-directed therapy
- Consider irrigating incisional wound with an aqueous povidone iodine solution before closure (in clean and clean-contaminated wounds)
- Consider using wound protector devices (in clean-contaminated, contaminated and dirty abdominal procedures)
- Consider prophylactic negative pressure wound therapy (primarily in closed surgical incisions in high-risk wounds)
- Consider using triclosan-coated sutures