Decision Board

Preamble

- Fracture of the neck of the femur is a fracture or break below the ball of the hip joint
- 4 out of 1000 Canadians older than 60 years old will have this fracture
- There are two options to treat this fracture. Each has benefits and risks.
- You will be shown the treatment options and their possible outcomes.
- You will be asked about your preference between the two options.

Replacing the Fracture with a Metallic Ball & Socket

- The anesthesiologist will put you to sleep or will freeze your hip by a needle into your back
- The surgeon will make a cut in the skin at the side of your thigh that measures 15 centimetres.
- The surgeon will remove the broken ball of your hip
- The surgeon will put a metallic stem into your thigh bone (femur) and a metallic socket into your pelvis. The surgeon will then attach a metallic ball to the stem as shown in the picture.
- The surgeon will close the skin with staples.

Replacing the Fracture with a Metallic Ball

- The anesthesiologist will put you to sleep or will freeze your hip by a needle into your back
- The surgeon will make a cut in the skin at the side of your thigh that measures 15 centimetres.
- The surgeon will remove the broken ball of your hip.
- The surgeon will put a metallic stem into your thigh bone (femur). The surgeon will then attach a metallic ball to the stem as shown in the picture.
- The surgeon will close the skin with staples.

Categories of Treatment Outcomes

- Average duration of the operation
- Average walking distance after operation (3.6 km pre-op)
- Patients who will have residual pain after 1 year of the operation
- Patients who will fail to regain mobility after 1 year of the operation
- Patients who will have a dislocation of the hip joint
- Patients who will have a medical complication
- Patients who will have a superficial wound infection requiring antibiotics
- Patients who will have a deep wound infection requiring another operation
- Patients who will have another operation within 1 year of the operation
- Patients who will die within 3-4 months of the operation
- Patients who will die within 1 year of the operation

Out of 100 patients who will have Metallic Ball / Ball & Socket:

<table>
<thead>
<tr>
<th>Treatment Outcomes</th>
<th>Metallic Ball</th>
<th>Metallic Ball &amp; Socket</th>
</tr>
</thead>
<tbody>
<tr>
<td>Duration of the operation</td>
<td>69 min.</td>
<td>87 min.</td>
</tr>
<tr>
<td>Walking distance post-op (3.6 km pre-op)</td>
<td>1.6 km</td>
<td>3.6 km</td>
</tr>
<tr>
<td>Residual pain after 1 year</td>
<td>38</td>
<td>24</td>
</tr>
<tr>
<td>Failure to regain mobility</td>
<td>21</td>
<td>20</td>
</tr>
<tr>
<td>Dislocation of the hip joint</td>
<td>6</td>
<td>10</td>
</tr>
<tr>
<td>Medical complication</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>Superficial wound infection - antibiotics</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Deep wound infection - another operation</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Another operation within 1 year</td>
<td>16</td>
<td>13</td>
</tr>
<tr>
<td>Mortality within 3-4 months</td>
<td>12</td>
<td>7</td>
</tr>
<tr>
<td>Mortality within 1 year</td>
<td>20</td>
<td>15</td>
</tr>
</tbody>
</table>