Management of periprosthetic fracture

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ABSTRACT
In this report a case of periprosthetic fracture of femur associated with diabetes mellitus since 10 years, 2 years ago, she was operated with A.M prosthesis for neck right femur fracture. It takes into account the site of the fracture, the stability of the implant, and the surrounding bone stock, which are the important elements of the fracture and hip that determines treatment.

Increased awareness of osteoporosis is needed in view of the growing and aging population of patients with diabetes mellitus.

Classification7

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
<th>Treatment</th>
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<tbody>
<tr>
<td>A</td>
<td>Fracture in the trochanteric region</td>
<td>ORIF if displaced</td>
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<tr>
<td>B1</td>
<td>Fracture around stem or just below, with well fixed stem</td>
<td>ORIF with cables and plate</td>
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<tr>
<td>B2</td>
<td>Fracture around stem or just below, with loose stem but good proximal bone</td>
<td>Revision of femoral component</td>
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<tr>
<td>B3</td>
<td>Fracture around stem or just below, with poor quality or severely comminuted proximal bone</td>
<td>Revision of femoral component with proximal femoral replacement</td>
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<tr>
<td>C</td>
<td>Fracture below the prosthesis</td>
<td>ORIF with plate</td>
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It is named for the city Vancouver, home province of the University of British Columbia where the authors of the 1995 paper worked.

Patient Details
Name-Mrs. Pramilabai Patil F AGE 67yrs came with periprosthetic Fracture on 15/06/2015. She is having H/O fracture neck femur treated by AMP 2yrs back, she was diabetes since 10yrs.she had fall in bathroom. After fitness, we have done Reduction & cerclage wiring & achieved good stability. At 22/09/2015 she was walking/ Sitting Square reasonably well.

Results
A fractures healed in satisfactory alignment at twelve weeks without evidence of implant loosening or malalignment

Conclusions
The result of this study support the indirect open reduction and internal fixation with 4,5 multiple cerclage wiring without the use of allograft, for treatment of periprosthetic femur fracture post-operative periprosthetic femoral fractures following a hip arthroplasty.
Pre-operative X-ray

Post-op X-ray

References

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