Mid-term follow-up of periarticular osteotomy in treating asymmetrical ankle arthritis

Yuan Zhu, MD, Xiangyang Xu, MD PHD

Foot ankle center, Ruijin Hospital, Shanghai Jiaotong University, Shanghai, China
I and my co-authors have nothing to disclose.
foot ankle center, Shanghai Ruijin Hospital
Methods / Results

- 65 consecutive patients with asymmetrical ankle Feb 2005 - June 2011
- Average follow-up: 47.7 mos (36 to 94)
- The age of surgery: 35 - 74 yrs (mean, 55.5)

<table>
<thead>
<tr>
<th></th>
<th>TAS</th>
<th>VAS</th>
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<tbody>
<tr>
<td>Pre.op</td>
<td>86.1°</td>
<td>7.3</td>
<td>49.7</td>
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<tr>
<td>Post.op</td>
<td>93.9°</td>
<td>2.6</td>
<td>78.6</td>
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</tbody>
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Case  male,  63years old
pre.op

4 yrs post.op

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Conclusions

Periarticular osteotomy is a sound method in treating asymmetrical arthritis of the ankle in the midterm followup. This procedure can alter or decrease the contact pressures on the degenerated cartilage with mechanical realignment and can prolong the life span of the ankle itself.

technically demanding
The way of osteotomy (horizontal, oblique, dome)
How to achieve reduction
How to maintain stability
references

- Stamatis ED, Cooper PS, Myerson MS. Supramalleolar osteotomy for the treatment of distal tibial angular deformities and arthritis of the ankle joint. *Foot Ankle Int.* 2003 Oct;24(10):754-64.
Thank you

http://www.shfootankle.com

foot ankle center, Shanghai Ruijin Hospital