Does the presence of intra-articular pathology affect the outcome following modified Brostrom repair for lateral ligament instability of the ankle?

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Does the presence of intra-articular pathology affect the outcome following modified Brostrom repair for lateral ligament instability of the ankle?

Kakwani

My disclosure is in the Final AOFAS Mobile App. I have no potential conflicts with this presentation.
Aim

This study aimed to see if there was a discernible difference in outcome for those patients who had a significant intra-articular pathology at the time of lateral ligament reconstruction by using a validated score of athletic function.
We performed ankle arthroscopy on all patients undergoing the modified Brostrom repair and compared patients with associated intra-articular pathology to those without any intra-articular pathology.
As previously reported to this society, these patients had a high general satisfaction with regards to their outcomes and had largely returned to sporting activities.
Intra-articular pathology

- Osteo-chondral lesion (3 pts)
- Anterior osteophytes (5 pts)
- Extensive synovitis (3 pts)
- Lateral bony impingement (1 pt)
- Meniscoid lesion (1 pt)
Intra-articular pathology

Sex Ratio

Without intra-articular pathology

Male
Female

2014
Follow-up Duration (mths)

- Intra-articular Pathology
- Without Intra-articular Pathology
SAFAS score

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<thead>
<tr>
<th>Intra-articular pathology</th>
<th>Without intra-articular pathology</th>
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<td>71.6</td>
<td>93.7</td>
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Conclusion

- The patients who have an associated intra-articular pathology whilst undergoing the stabilisation of lateral ligament instability of the ankle have a slightly poorer outcome compared to those without any intra-articular pathology.

- Secondly, the SAFAS scoring system seems to overcome the ceiling effect seen in other scoring systems when used for the athletic population.
Development and validation of the Sports Athlete Foot and Ankle Score: an instrument for sports-related ankle injuries.

Morssinkhof ML, Wang O, James L, van der Heide HJ, Winson IG.

SAFAS is a self-administered region specific sports foot and ankle score that contains four subscales assessing the levels of symptoms, pain, daily living and sports.