Clinical Anatomy and the Impact of Separated Ossicles at the Fibular Tip on the Stability of the Ankle Joint

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Xu Wang, Xin Ma, Chao Zhang, Jia-zhang Huang

My disclosure is in the Final AOFAS Program Book.
I have no potential conflicts with this presentation.
Common injury of distal fibula
Treatment under debeat
Cast; Arthroscopy; Debriment; Ligament Reconstruction; Internal Fixation......
To determine the relationship between the lateral collateral ligament of the ankle joint and the bony structures of the lateral malleolus using fresh cadaveric specimens.
Result
# Table 1. Anatomical measurement results

<table>
<thead>
<tr>
<th>Measured Structure</th>
<th>Result (mm, x±s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>The length of the anterior talofibular ligament at the fibular attachment (AB)</td>
<td>7.45±0.22</td>
</tr>
<tr>
<td>The perpendicular distance from the anterior talofibular ligament to the fibular tip (AC)</td>
<td>11.75±1.03</td>
</tr>
<tr>
<td>The sagittal length of distal fibula at the anterior talofibular ligament attachment site (AD)</td>
<td>20.56±1.54</td>
</tr>
<tr>
<td>The coronal length of distal fibula at the anterior talofibular ligament attachment site (AE)</td>
<td>8.68±0.12</td>
</tr>
<tr>
<td>The maximal sagittal length on the articular surface of the distal fibula (AF)</td>
<td>16.81±0.96</td>
</tr>
<tr>
<td>The length of the calcaneofibular ligament at the fibula attachment site (GH)</td>
<td>3.50±0.44</td>
</tr>
<tr>
<td>The distance between the anterior talofibular ligament and the calcaneofibular ligament (BG)</td>
<td>2.35±0.14</td>
</tr>
</tbody>
</table>
Discussion

<5mm, anterior 1/2, be fellowed-up or ligament reconstruction
<5mm, posterior 1/2, be fellowed-up
5-10mm, be fellowed-up or ligament reconstruction
>10mm, flesh, internal fixation
delayed, debriment and ligament reconstruction
practical anatomy research and training institute (PARTI)

Thank you


