Erratum: The computed tomography based anatomy of the ossa cuneiformia

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In the above article, the tables contained transcription errors. The corrected tables are included below. At once the abstract needed to be corrected. The corrected version is printed below.

Abstract

There is a lack of basic anatomic informations regarding the ossa cuneiformia. The aim of the present descriptive study was the detailed evaluation of the anatomy of the ossa cuneiformia. We analyzed 100 computer tomography scans of feet without deformities or previous trauma. The length, height and width of each cuneiform and their articular surfaces were assessed. We itemized the data to gender differences and to foot length. The medial cuneiform os had a length of 23.8±2.4 mm (mean ± standard deviation), a width of 15.9±2.7 mm and a height of 26.9±3.6 mm. The respective values for the intermediate cuneiforme were 17.7±1.9 mm, 12.4±3.1 mm and 20.8±2.9 mm and for the lateral cuneiforme 24.3±2.9 mm, 14.9±2.9 mm and 17.3±4.3 mm. We found statistical relevant differences regarding gender and foot length subgroups whereas not for all parameters. The present study illustrates basic anatomic data regarding the ossa cuneiformia. This information might be helpful for implant design and placement during midfoot surgery.

Table 1. Anatomy of the ossa cuneiformia including their articular surfaces of gender subgroups.

<table>
<thead>
<tr>
<th></th>
<th>All (n=100)</th>
<th>Male (n=72)</th>
<th>Female (n=28)</th>
<th>P-value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Medial cuneiform</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length</td>
<td>23.8 ± 2.4</td>
<td>24.3 ± 2.3</td>
<td>22.3 ± 2.2</td>
<td>&lt;0.0001*</td>
</tr>
<tr>
<td>Width</td>
<td>15.9 ± 2.7</td>
<td>16.4 ± 2.8</td>
<td>14.8 ± 2.2</td>
<td>0.0002*</td>
</tr>
<tr>
<td>Height</td>
<td>26.9 ± 3.6</td>
<td>27.6 ± 3.5</td>
<td>24.9 ± 3.1</td>
<td>&lt;0.0001*</td>
</tr>
<tr>
<td>Proximal articular surface width</td>
<td>16.0 ± 3.0</td>
<td>16.4 ± 3.0</td>
<td>14.7 ± 2.7</td>
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</tr>
<tr>
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<td>17.3 ± 3.1</td>
<td>14.8 ± 2.5</td>
<td>&lt;0.0001*</td>
</tr>
<tr>
<td>Distal articular surface width</td>
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<td>19.0 ± 6.1</td>
<td>18.7 ± 5.5</td>
<td>0.7498</td>
</tr>
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<td>Distal articular surface height</td>
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<td>23.4 ± 6.4</td>
<td>20.3 ± 6.1</td>
<td>0.0028*</td>
</tr>
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<td>Intercuneiform I/II articular surface length</td>
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<tr>
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<td>17.0 ± 4.7</td>
<td>0.3969</td>
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<td>Length</td>
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<td>18.1 ± 1.8</td>
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<td><strong>Lateral cuneiform</strong></td>
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<td></td>
<td></td>
</tr>
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<td>15.6 ± 3.4</td>
<td>16.2 ± 3.3</td>
<td>14.0 ± 3.2</td>
<td>&lt;0.0001*</td>
</tr>
</tbody>
</table>

The results of the evaluation of basic anatomic parameters of the cuneiforms and their articular surfaces are illustrated. Additionally, we itemized this information for female and male patients. Results are illustrated as mean ± SD. Statistically relevant differences are marked with asterisks.*
### Table 2. Anatomy of the ossa cuneiformia including their articular surfaces of foot length subgroups.

<table>
<thead>
<tr>
<th></th>
<th>All (n=100)</th>
<th>Small (n=34)</th>
<th>Medium (n=33)</th>
<th>Large (n=33)</th>
<th>P-value</th>
<th>P-value</th>
<th>P-value</th>
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<td>M vs. S</td>
<td>M vs. L</td>
<td>M vs. L</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Small</td>
<td>Medium</td>
<td>Large</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lateral cuneiform</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length</td>
<td>23.8 ± 2.4</td>
<td>22.9 ± 2.3</td>
<td>23.7 ± 2.5</td>
<td>24.9 ± 2.1</td>
<td>0.0584</td>
<td>&lt;0.0001*</td>
<td>0.0051*</td>
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<td>15.3 ± 2.7</td>
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<td>Height</td>
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<td>25.9 ± 3.4</td>
<td>28.6 ± 3.6</td>
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<td>15.1 ± 3.0</td>
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<td>0.0049*</td>
<td>0.2320</td>
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<tr>
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<td>17.3 ± 5.6</td>
<td>20.6 ± 5.6</td>
<td>19.7 ± 6.1</td>
<td>0.0092*</td>
<td>0.0256*</td>
<td>0.7707</td>
</tr>
<tr>
<td>Distal articular surface height</td>
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<td>22.0 ± 6.5</td>
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<td>24.8 ± 6.3</td>
<td>0.4565</td>
<td>0.0151*</td>
<td>0.0012*</td>
</tr>
<tr>
<td>Intercuneiform I/II articular surface length</td>
<td>19.3 ± 3.6</td>
<td>18.8 ± 3.4</td>
<td>18.8 ± 3.2</td>
<td>20.5 ± 3.9</td>
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<td>17.0 ± 5.5</td>
<td>18.7 ± 4.6</td>
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<td>Intermidum cuneiform</td>
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<td>17.0 ± 3.0</td>
<td>17.3 ± 3.0</td>
<td>18.1 ± 4.0</td>
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<tr>
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<td>19.9 ± 2.7</td>
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<td>0.0019*</td>
<td>&lt;0.0001*</td>
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<tr>
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<td>13.1 ± 4.2</td>
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<tr>
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<tr>
<td>Intercuneiform I/II articular surface length</td>
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<td>Intercuneiform I/II articular surface height</td>
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<tr>
<td>Medial cuneiform</td>
<td>22.6 ± 6.4</td>
<td>22.0 ± 6.5</td>
<td>21.1 ± 6.0</td>
<td>24.8 ± 6.3</td>
<td>0.4565</td>
<td>0.0151*</td>
<td>0.0012*</td>
</tr>
<tr>
<td>Width</td>
<td>12.5 ± 2.5</td>
<td>12.3 ± 2.4</td>
<td>11.9 ± 2.5</td>
<td>13.5 ± 2.4</td>
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</tr>
<tr>
<td>Height</td>
<td>19.0 ± 5.9</td>
<td>17.3 ± 5.8</td>
<td>20.6 ± 5.6</td>
<td>19.7 ± 6.1</td>
<td>0.0092*</td>
<td>0.0256*</td>
<td>0.7707</td>
</tr>
<tr>
<td>Proximal articular surface width</td>
<td>12.9 ± 3.0</td>
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<td>0.6578</td>
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<tr>
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<td>0.6578</td>
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<tr>
<td>Cuneiform cuboidal articular surface length</td>
<td>18.3 ± 5.5</td>
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<td>0.0014*</td>
<td>0.0122*</td>
</tr>
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</table>

We found statistically relevant differences especially for the comparisons of the subgroup with larger feet. Results are illustrated as mean ± SD. Statistically relevant differences are marked with asterisks*.