

## Erratum to: Association between ultrasound measurements of muscle thickness, pennation angle, echogenicity and skeletal muscle strength in the elderly

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Published online: 21 June 2013  
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### Erratum to: AGE DOI 10.1007/s11357-013-9517-z

Unfortunately several mistakes were made according to Table 3 during the publication process.

In the first column, the words “Echogenicity” and “Pennation angle” have been exchanged. Therefore, the negative Pearson correlation coefficients presented in the second row belong to the correlation between “Echogenicity” and the individual muscle. The correlation coefficients presented in the third row belong to the correlation between “Pennation angle” and the individual muscle.

In addition, the assignment of asterisks indicating statistical significance is incorrect. All correlation coefficients with one asterisk (\*) should contain two asterisks (\*\*) and the correlation coefficient with two asterisks (\*\*) should contain one asterisk (\*).

Third, the assignments of asterisks to the level of significance were exchanged: “\*  $p < 0.001$ ” should be “\*  $p < 0.05$ ” and “\*\*  $p < 0.05$ ” should be “\*\*  $p < 0.001$ ”.

Due to the multiple mistakes and for a better understanding of the results, please find the correct Table 3 below:

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The online version of the original article can be found at <http://dx.doi.org/10.1007/s11357-013-9517-z>.

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**Table 3** Correlation coefficients between M-US parameters and MVC. Pearson correlation coefficients between muscle thickness, echogenicity, pennation angle and MVC were analysed. Results of the distinct muscles are presented for the young and the old group separately

	Musculus rectus femoris		Musculus intermedius		Musculus vastus lateralis		Musculus vastus medialis	
	Young	Old	Young	Old	Young	Old	Young	Old
Muscle thickness	0.88**	0.834**	0.918**	0.815**	0.838**	0.756**	0.92**	0.875**
Echogenicity	-0.63**	-0.301	-0.64**	-0.339	-0.50**	-0.272	-0.47*	-0.10
Pennation angle	–	–	0.68**	0.306	0.341	0.322	0.338	0.253

\*\* $p < 0.001$ , \* $p < 0.05$