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Erratum

Erratum to: “The compressive mechanical properties of diabetic and non-diabetic plantar soft tissue” [Journal of Biomechanics 43(9) (2010) 1754–1760]

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It has recently come to our attention that Fig. 3, which had the caption “Typical nonlinear stress–strain response...” is in fact not typical. While the overall shape of the curve was typical, as was the trend across frequency, the parameters derived from this figure were not. Specifically, across all of our specimens, the average energy loss was $68.2 \pm 8.7\%$, the average modulus was 871.0 ± 443.7 kPa and the average peak stress was 81.2 ± 31.1 kPa. However, for this specimen shown in Fig. 3 of the article, the energy loss was $50.8 \pm 6.6\%$, the modulus was 219.3 ± 39.3 kPa and the peak stress was 29.4 ± 3.3 kPa, all well below the average values. We have found a more representative data set, with an energy loss of $71.6 \pm 5.7\%$, a modulus of 768.0 ± 135.4 and a peak stress of 79.6 ± 5.7 (see Fig. 3). This figure would be considered a typical nonlinear stress–strain response.

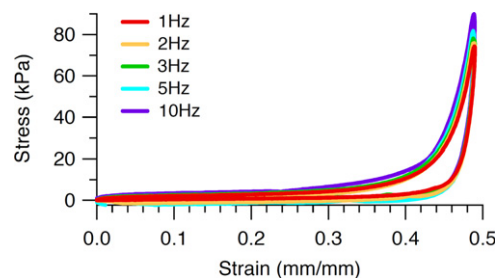


Fig. 3. Typical nonlinear stress–strain response with a toe region up to the inflection point followed by a rapid increase in stiffness at higher strains and showing increase in peak stress, modulus, and energy loss with increase in frequency.

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