Corrigendum to "a new strain energy function for modelling ligaments and tendons whose fascicles have a helical arrangement of fibrils" [J. Biomech. 48: 3017–3025]

Tom Shearer [*]

School of Mathematics, University of Manchester, Manchester M13 9PL, United Kingdom

Typographical errors appeared in equations (17), (33), (36), (37) and (39), which are corrected below.

$$\tau_2 = \frac{E\lambda\cos\alpha}{2\sin\theta_o}\left(\frac{1}{\left(\sin^{-1}(\Lambda/\sqrt{\Lambda^2-1})\right)} - \frac{\sqrt{\Lambda^2-1}}{\Lambda^2}\right) \tag{17}$$

$$\eta = \gamma + \frac{E}{3}\left(\left(\frac{\cos\theta_o}{\sin^2\theta_o}\frac{1}{\sin^2\alpha} + \frac{2}{\sin^2\theta_o} - 3\beta\right)\sqrt{\frac{1}{\cos^2\theta_o} - \sin^2\alpha}\right.$$
$$\left. -3\frac{\cos^2\theta_o}{\sin^2\theta_o}\log\left(\cos\alpha\left(\frac{1}{\cos\theta_o} + \sqrt{\frac{1}{\cos^2\theta_o} - \sin^2\alpha}\right)\right)\right). \tag{33}$$

$$W = (1-\phi)\frac{\mu}{2}(I_1-3) + \frac{\phi E}{\sin^2\theta_o}\left(2\cos\alpha\sqrt{I_4}-\right.$$
$$\left. 3\log\left(\cos^2\alpha\sqrt{I_4} + \cos\alpha\sqrt{\sin^2\alpha + I_4\cos^2\alpha}\right) + \frac{\cos\alpha\sqrt{I_4}}{\sin^2\alpha\sqrt{\sin^2\alpha + I_4\cos^2\alpha}}\right) + \phi\gamma, \quad 1 \leq I_4 \leq \lambda^{*2} \tag{36}$$

$$W = (1-\phi)\frac{\mu}{2}(I_1-3) + \phi E\left(\beta\cos\alpha\sqrt{I_4} - \log\left(\cos^2\alpha\sqrt{I_4} + \cos\alpha\sqrt{\sin^2\alpha + I_4\cos^2\alpha}\right)\right) + \phi\eta, \quad I_4 > \lambda^{*2} \tag{37}$$

$$W = (1-\phi)\frac{\mu}{2}(I_1-3) + \frac{\phi E}{6\sin^2\theta_o}\left(4\sqrt{I_4} - 3\log(I_4) - \frac{1}{I_4} - 3\right), \quad 1 \leq I_4 \leq \frac{1}{\cos^2\theta_o} \tag{39}$$

None of the following results were affected by these errors.