Corrigendum

"Modeling nonlinear dissipative response of biological tissues" by M.B. Rubin and S.R. Bodner [Int. J. Solids Struct. 39 (2002) 5081–5099] ☆

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Typographical errors appeared in Eqs. (45) and (A.12) which did not influence the obtained results. The corrected equations should be

$$\mathbf{\Pi} = J\mathbf{T}\mathbf{F}^{-\mathrm{T}}, \tag{45}$$

$$\beta(t_2) = \beta(t_1) + \Delta t \left[\left\{ \frac{r_1 r_3 + r_2 \dot{\varepsilon}}{r_3 + \dot{\varepsilon}} \right\} \Gamma(t_2) \beta_{\mathrm{de}}(t_2) - r_4 \{\beta(t_1)\}^{r_5} \right]. \tag{A.12}$$

Also, the authors would like to thank Prof. E. Mazza for correcting the computer program that was used to simulate the material response. This led to an error in the integration of the hardening variable with the consequence that three of the derived material constants were not appropriate for matching the test data. Table C1 exhibits the corrected values of these three material constants. All other material constants remain the same as those in the original Table 1.

Figs. C1 and C2 exhibit the corrected versions of the original Figs. 1 and 2. The other figures were also recalculated and were found to be very similar to the original figures so that all of the conclusions remain the same.

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Table C1
Corrected material constants for SMAS and facial skin

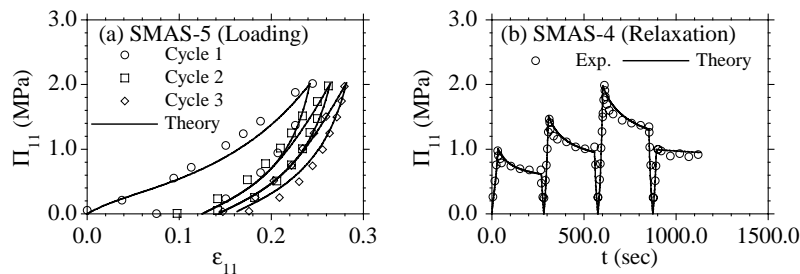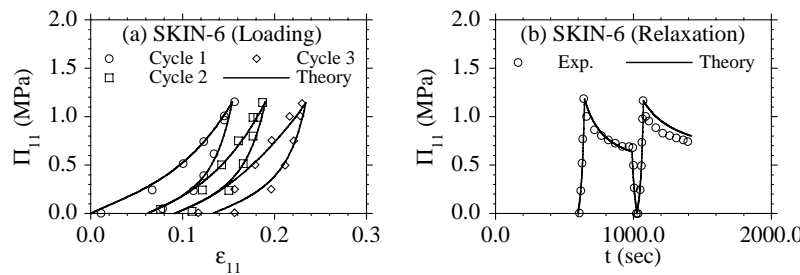|	SMAS	Facial skin
μ_0 (MPa)	2.7	1.5
r_1	100.0	1000.0
r_2	1.3	2.2

Fig. C1. Response of SMAS.

Fig. C2. Response of facial skin.