

CORRIGENDUM

Stress wave emission and cavitation bubble dynamics by nanosecond optical
breakdown in a tissue phantom – CORRIGENDUM

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There were errors in equations (3.1) and (3.4) as printed on page 288. They are inconsequential for the results of the calculations, which were based on the correct equations.

Equation (3.1), which in the paper appears as

$$R\ddot{R} + \frac{3}{2}\dot{R}^2 - \frac{1}{c_0}(R^2\dot{R} + 6R\dot{R}\ddot{R} + 2\dot{R}^3) = H,$$

should read

$$R\ddot{R} + \frac{3}{2}\dot{R}^2 - \frac{1}{c_0}(R^2\ddot{R} + 6R\dot{R}\ddot{R} + 2\dot{R}^3) = H,$$

and the correct form of equation (3.4), printed in the paper as

$$\frac{p(r)}{p_0} = 1 + \frac{(R^2\ddot{R} + 2R\dot{R}^2)(\tau)}{r} - \frac{1}{c_0} \frac{R}{r} (R^2\dot{R} + 6R\dot{R}\ddot{R} + 2\dot{R}^3)(\tau) - \frac{(R^2\dot{R})^2}{2r^4},$$

should be

$$\frac{p(r)}{p_0} = 1 + \frac{\rho}{p_0} \left[\frac{(R^2\ddot{R} + 2R\dot{R}^2)(\tau)}{r} - \frac{1}{c_0} \frac{R}{r} (R^2\ddot{R} + 6R\dot{R}\ddot{R} + 2\dot{R}^3)(\tau) - \frac{(R^2\dot{R})^2}{2r^4} \right],$$

where ρ is the medium density.