Erratum: Distinguishing a rotating Kiselev black hole from a naked singularity using the spin precession of a test gyroscope
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There is an error in Eq. (3). The total mass and angular momentum should be given, respectively, by

$$M_T = M + \frac{\alpha r^{-1-3\omega}}{2a} \left[ar + (r_0^2 + a^2) \arctan\left(\frac{a}{r_0}\right) \right],$$
$$J_T = j + \alpha r_0^{-3\omega} \left[\frac{a(2-3\omega)}{4} - \frac{3\omega r_0^2}{4a} + \frac{3\omega(r_0^2 + a^2)^3}{4a^2 r_0} \arctan\left(\frac{a}{r_0}\right) \right].$$