## Erratum: Nuclear axial currents in chiral effective field theory [Phys. Rev. C 93, 015501 (2016)]

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Equations (7.2), (D4), (D10), (D11), and (D12) of the original article are erroneous. The correct equations read, respectively:

$$\mathbf{j}_{5,a}^{\text{OPE}} = \frac{g_A}{2 f_{\pi}^2} \left\{ \left( 2 c_3 + \frac{9}{128 \pi} \frac{g_A^4 m_{\pi}}{f_{\pi}^2} \right) \tau_{2,a} \, \mathbf{k}_2 + (\tau_1 \times \tau_2)_a \left[ \frac{i}{2 m} \mathbf{K}_1 - \frac{c_6 + 1}{4 m} \boldsymbol{\sigma}_1 \times \mathbf{q} + \left( c_4 + \frac{1}{4 m} - \frac{1}{128 \pi} \frac{g_A^4 m_{\pi}}{f_{\pi}^2} \right) \boldsymbol{\sigma}_1 \times \mathbf{k}_2 \right] \right\} \boldsymbol{\sigma}_2 \cdot \mathbf{k}_2 \, \frac{1}{\omega_2^2},$$
(7.2)

$$\mathbf{j}_{5,a}^{(1)}(\mathbf{e}8) = -\frac{g_A^5}{64\pi f_\pi^4} \int_0^1 dz \left( \tau_{2,a} \left\{ 5\, \boldsymbol{\sigma}_1 M(k_2, z) + \frac{\mathbf{k}_2}{2} \, \boldsymbol{\sigma}_1 \cdot \mathbf{k}_2 \left[ \frac{k_2^2 \, (z\overline{z})^2}{M(k_2, z)^3} + \frac{1 - 7z\overline{z}}{M(k_2, z)} \right] + \frac{k_2^2}{2} \, \boldsymbol{\sigma}_1 \left[ \frac{9 \, z\overline{z} - 1}{M(k_2, z)} - \frac{k_2^2 (z\overline{z})^2}{M(k_2, z)^3} \right] \right\} \\
+ 2 \, \tau_{1,a}(\boldsymbol{\sigma}_2 \times \mathbf{k}_2) \times \mathbf{k}_2 \left[ \frac{1}{4 \, M(k_2, z)} + \frac{1}{48} \frac{k_2^2 \, (2z - 1)^2}{M(k_2, z)^3} \right] \right), \tag{D4}$$

$$W_1(k) = \int_0^1 dz \left\{ \left( 1 - 5 g_A^2 \right) M(k, z) - \frac{g_A^2 k^2}{2} \left[ \frac{9 z \, \overline{z} - 1}{M(k, z)} - \frac{k^2 (z \, \overline{z})^2}{M(k, z)^3} \right] \right\},\tag{D10}$$

$$W_2(k) = \int_0^1 dz \left[ -\frac{g_A^2 (z \,\overline{z})^2 \, k^2}{2 \, M(k, z)^3} + \frac{z \,\overline{z} (7 \, g_A^2 + 2) - g_A^2}{2 \, M(k, z)} \right],\tag{D11}$$

$$W_3(k) = -\frac{1}{2} \int_0^1 dz \left[ \frac{k^2 (z - \overline{z})^2}{12 M(k, z)^3} + \frac{1}{M(k, z)} \right].$$
 (D12)

In particular, referring to the original article, Eq. (7.2) had the signs of the two terms proportional to  $g_A^4$  wrong, and Eqs. (D4), (D10), (D11), and (D12) had algebraic errors introduced when going from the formal expressions of Eqs. (5.11), and (7.5) of the original article to the regularized expressions. These corrections do not affect any of the conclusions of the article.