

# Erratum to: Optimization of Noise in Non-integrated Instrumentation Amplifier for the Amplification of Very Low Electrophysiological Signals. Case of Electro Cardio Graphic Signals (ECG)

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**Erratum to: J Med Syst (2014) 38:152**  
**DOI 10.1007/s10916-014-0152-8**

The original version of this article unfortunately contained errors. The details are provided below:

**1st correction:** (see article title)

**Instead of:**

Electrophisiological

**Say:**

Electrophysiological

**2nd correction:** (see page 2 of the article)

**Instead of:**

$$F = \frac{(\text{signal/noise})_{\text{at the input}}}{(\text{signal/noise})_{\text{at the input}}} \quad (1)$$

**Say:**

$$F = \frac{(\text{signal/noise})_{\text{at the input}}}{(\text{signal/noise})_{\text{at the output}}} \quad (2)$$

**3rd correction:** (see page 4 of the article)

The online version of the original article can be found at <http://dx.doi.org/10.1007/s10916-014-0152-8>.

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**Instead of:**

$$\Delta f = \frac{f_T}{A_1} \quad (14)$$

**Say:**

$$\Delta f_1 = \frac{f_T}{A_1} \quad (14)$$

**4th correction:** (see page 4 of the article)

**Instead of:**

$$F_1 = \left(1 + \frac{K_1}{A_1 \cdot K_e}\right) \sqrt{\frac{A_1 \cdot \Delta f}{f_T}} \quad (15)$$

**Say:**

$$F_1 = \left(1 + \frac{K_1}{A_1 \cdot K_e}\right) \sqrt{\frac{f_T}{A_1 \cdot \Delta f}} \quad (15)$$

**5th correction:** (see page 4 of the article)

**Instead of:**

3- The gain bandwidth product ( $A_1 \cdot \Delta f$ ) of the amplifier must be less than the cutoff frequency ( $f_T$ ) of the used operational amplifier.

**Say:**

3-The gain bandwidth noise product ( $A_1 \cdot \Delta f$ ) must be higher than the cutoff frequency ( $f_T$ ) of the used operational amplifier.