Musculoskeletal imaging at 3T: imaging and optimization

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Published online: 17 June 2008
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Erratum to: Pediatr Radiol (2008) 38 (Suppl 2): S243–S245
DOI 10.1007/s00247-008-0768-2

There were errors in the last term of each equation: ($e^{-TR/T2}$) in (1) and ($e^{-TR/T2*}$) in (2); the corrected equations below have TE instead of TR.

Corrected equations:

$$SNR_{SE} \propto B_0 V ((N_{PE} N_{PA} N_{AV}) / BW)^{1/2} (1 - e^{-TR/T1}) e^{-TE/T2} \quad (1)$$

$$SNR_{GRE} \propto B_0 V ((N_{PE} N_{PA} N_{AV}) / BW)^{1/2} \sin(\theta) (1 - e^{-TR/T1}) / (1 - e^{-TR/T1} \cos(\theta)) e^{-TE/T2*} \quad (2)$$

The online version of the original article can be found at <http://dx.doi.org/10.1007/s00247-008-0768-2>.

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