



Acquisition of spin echo and stimulated echo by a single sequence: application to MRI of diffusion

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Titre	Acquisition of spin echo and stimulated echo by a single sequence: application to MRI of diffusion
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Auteur	Franconi, Florence [1], Sonier, CB [2], Seguin, F [3], Le Pape, A [4], Akoka, S [5]
Editeur	Elsevier
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Résumé en anglais	<p>A new method is described to measure the restricted diffusion coefficient with magnetic resonance imaging. The two images necessary to calculate the diffusion image are obtained with a simultaneous acquisition of a spin-echo and a stimulated echo, and so, in half the time needed by usual spin-echo or stimulated echo method. A different diffusion contrast is created on each echo. A map of an estimate of the diffusion coefficient and an estimation of T1 value are obtained with only one experiment. The accuracy of the method has been evaluated on phantom and results are in agreement with values found in previous papers and with measurements performed with a usual spin-echo method. Furthermore, in vivo measurements have shown that this method can be used without electrocardiogram triggering.</p>
URL de la notice	http://okina.univ-angers.fr/publications/ua5708 [8]
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Liens

- [1] <http://okina.univ-angers.fr/f.franconi/publications>
- [2] [http://okina.univ-angers.fr/publications?f\[author\]=9605](http://okina.univ-angers.fr/publications?f[author]=9605)
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