

## Chemical shift imaging from simultaneous acquisition of a primary and a stimulated echo

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Auteur	Franconi, Florence [1], Akoka, S [2]
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Ann�e	1995
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Mots-cl�s	Adipose tissue [3], Artifacts [4], Humans [5], Magnetic Resonance Imaging [6], Models, Structural [7], Motion [8]
R�sum� en anglais	An imaging method is presented for obtaining chemical shift images from only one acquisition. Images are acquired with the same spatial resolution as in regular spin-echo imaging. The sequence is based on the simultaneous acquisition of a spin echo and a stimulated echo in a single pass. The use of 90 degrees radiofrequency pulse flip angles results in the same proton density, T2 and T1 weighting for the two echoes. Application of this sequence to chemical shift imaging is discussed for three fat suppression techniques (chopper, CHESSE, and hybrid). Imaging was performed on phantoms and volunteers. The image quality was the same as those obtained by the chopper and the hybrid methods and the acquisition time was reduced by a factor of two.
URL de la notice	<a href="http://okina.univ-angers.fr/publications/ua5710">http://okina.univ-angers.fr/publications/ua5710</a> [9]
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### Liens

- [1] <http://okina.univ-angers.fr/f.franconi/publications>
- [2] [http://okina.univ-angers.fr/publications?f\[author\]=7169](http://okina.univ-angers.fr/publications?f[author]=7169)
- [3] [http://okina.univ-angers.fr/publications?f\[keyword\]=6478](http://okina.univ-angers.fr/publications?f[keyword]=6478)
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- [8] [http://okina.univ-angers.fr/publications?f\[keyword\]=10318](http://okina.univ-angers.fr/publications?f[keyword]=10318)

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[10] <http://www.ncbi.nlm.nih.gov/pubmed/7596273?dopt=Abstract>

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