

## Measurement of epidermal moisture content by magnetic resonance imaging: assessment of a hydration cream

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Auteur	Franconi, Florence [1], Akoka, S [2], Guesnet, J [3], Baret, J M [4], Dersigny, D [5], Breda, B [6], Muller, C [7], Beau, P [8]
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Ann�e	1995
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R�sum� en anglais	The moisture content of the epidermis was measured by magnetic resonance imaging (MRI), using transverse relaxation time. The spatial resolution was 86 microns, allowing a quantitative, accurate and localized determination of variations in epidermal hydration. The wrists of 15 volunteers were studied before and after application of a hydration cream. Results showed an increase of 15% of epidermal T2 after application of the cream. Moisture content curves varied according to different degrees of skin dryness. This study demonstrates that MRI is a useful tool in evaluation of epidermal hydration.
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### Liens

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