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BY ROSSANO GIROMETTI

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3.0 Tesla magnetic resonance imaging: A new standard in liver imaging?

Rossano Girometti

Abstract

An ever-increasing number of 3.0 Tesla (T) magnets are installed worldwide. Moving from the standard of 1.5T to higher field strength implies a number of potential advantage and drawbacks, requiring careful optimization of imaging protocols or implementation of novel hardware components. Clinical practice and literature review suggest that state-of-the-art 3.0T is equivalent to 1.5T in the assessment of focal liver lesions and diffuse liver disease. However, further technical improvements are needed in order to fully exploit the potential of higher field strength.

Key words: Magnetic Resonance Imaging, Liver, 1.5 Tesla, 3.0 Tesla, Magnetic Field

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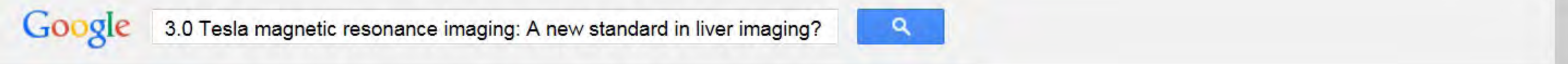
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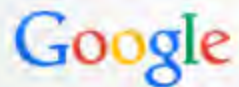
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