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Clinical Practice Study

Repeatability of two-dimension chemical shift imaging multivoxel proton magnetic resonance spectroscopy for measuring human cerebral choline-containing compounds

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Abstract

AIM

To investigate the repeatability of proton magnetic resonance spectroscopy in the *in vivo* measurement of human cerebral levels of choline-containing compounds (Cho).

METHODS

Two consecutive scans were carried out in six healthy resting subjects at a magnetic

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... is demonstrated in (I). The images on the left show the chemical-shift imaging grid at ... Cho, choline-containing compounds; Cr, creatine + phosphocreatine; Ins, myoinositol; PPM, chemical shift in parts ... up to three voxels (designated anterior, middle, and posterior), shifted to be ...

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