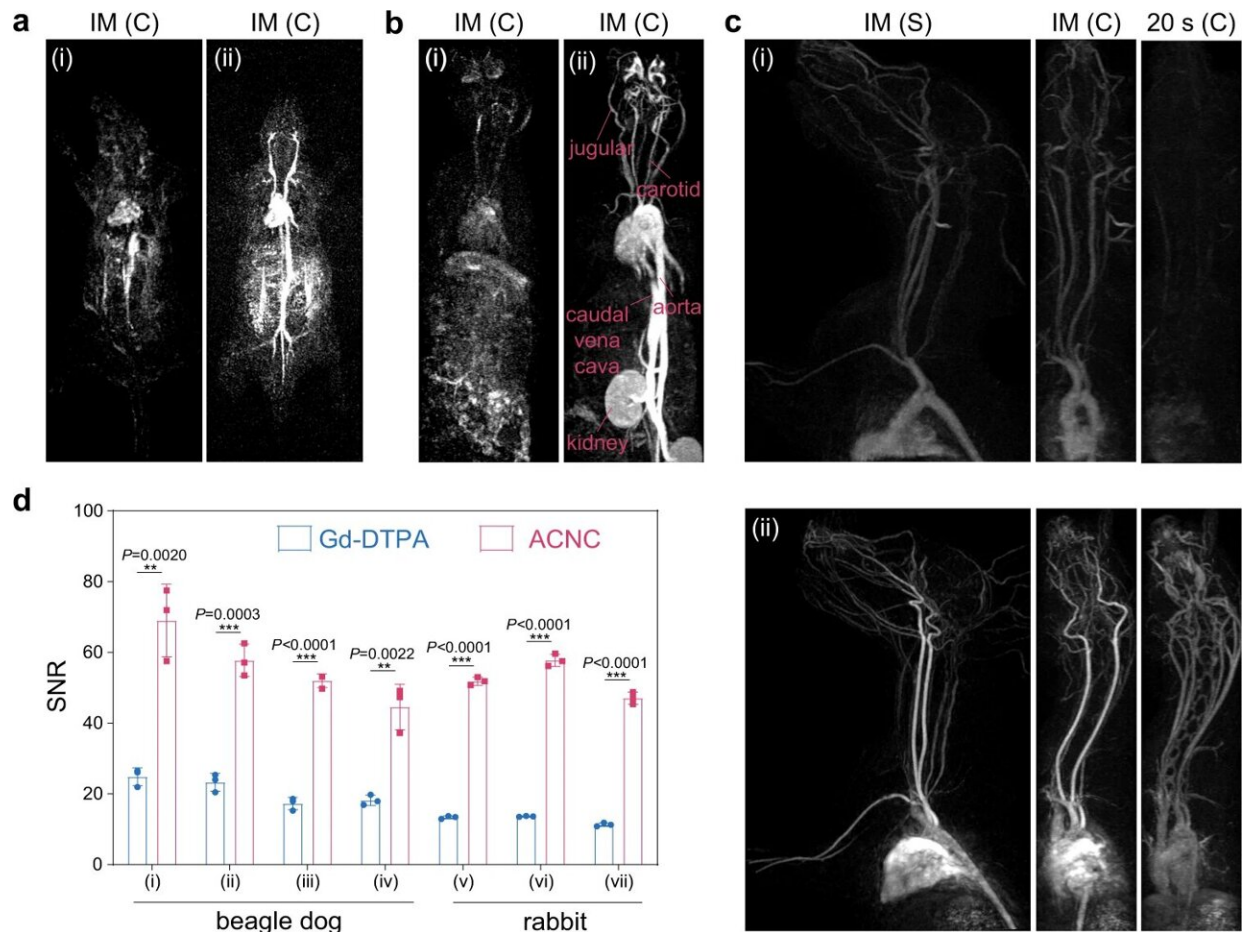


# A simple recipe for MRI contrasts up to four times higher

September 7 2022



In vivo MR angiography. a, b Contrast-enhanced MR angiography (MRA) images of the whole body on a rat and b rabbit immediately after the bolus injection of (i) Gd-DTPA and (ii) ACNC. c MRA images of upper body on beagle dog at immediately (IM) and 20 s after the bolus injection of (i) Gd-DTPA and (ii) ACNC, respectively. (C) and (S) represents coronal plane and sagittal plane respectively. d Quantitative measurement of SNR of ROIs in (i)

brachiocephalic trunk artery, (ii) left subclavian artery, (iii) left common carotid artery, (iv) right branch of olfactory artery of beagle dog, and that in (v) descending aorta, (vi) aortic arch, (vii) ascending aorta of rabbit, respectively. The time for quantitative measurement of SNR of ROIs was in the “IM” period (n = 3 independent experiments). The data show means  $\pm$  SD. P was calculated using two-tailed Student’s t-test (\*\*P

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