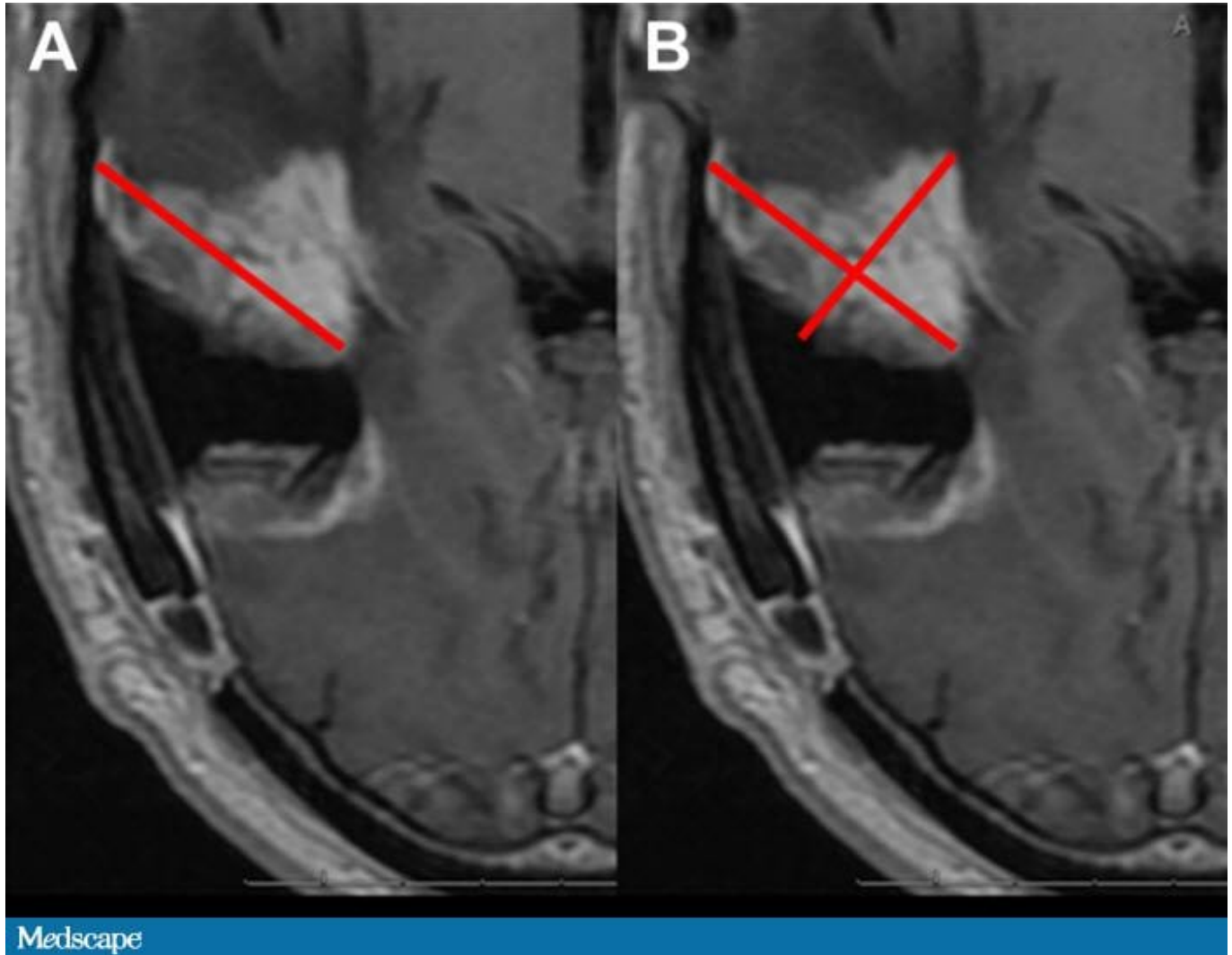


Macdonald criteria

The Macdonald criteria,¹⁾ used 2-dimensional set of measurements for assessing tumor response, measure maximal enhancing tumor diameter on a single axial contrast-enhanced T1-weighted image and the largest perpendicular diameter on the same image



<http://img.medscape.com/article/776/272/776272-fig14.jpg>

The product of these measurements is calculated, and the measurements are repeated with each scan.

RECIST²⁾, which has become the standard set of criteria for assessing response in systemic cancers, measures the longest single linear enhancing diameter across a lesion in the axial plane and repeats this on follow-up studies, regardless of changes in the original orientation or section

¹⁾ Macdonald DR, Cascino TL, Schold SC, Cairncross G. Response criteria for phase II studies of malignant glioma. J Clin Oncol. 1990;8:1277-1280

²⁾ Therasse P, Arbuck SG, Eisenhauer EA, et al. New guidelines to evaluate the response to treatment in solid tumors. J Natl Cancer Inst. 2000;92:205-216.

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Last update: **2024/06/07 02:57**

