

Finalist: Emphysema / Ground Glass Nodule

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“This scan with only half the dose as used in daily practice and reconstructed with IMR depicted the extent of the emphysema more clearly. The ground glass nodule showed a sharper delineation relative to the surrounding lung parenchyma on the second scan with half dose compared to the scan with full dose.”

Parameters:

91 yr old patient, no contrast

Scanner: iCT

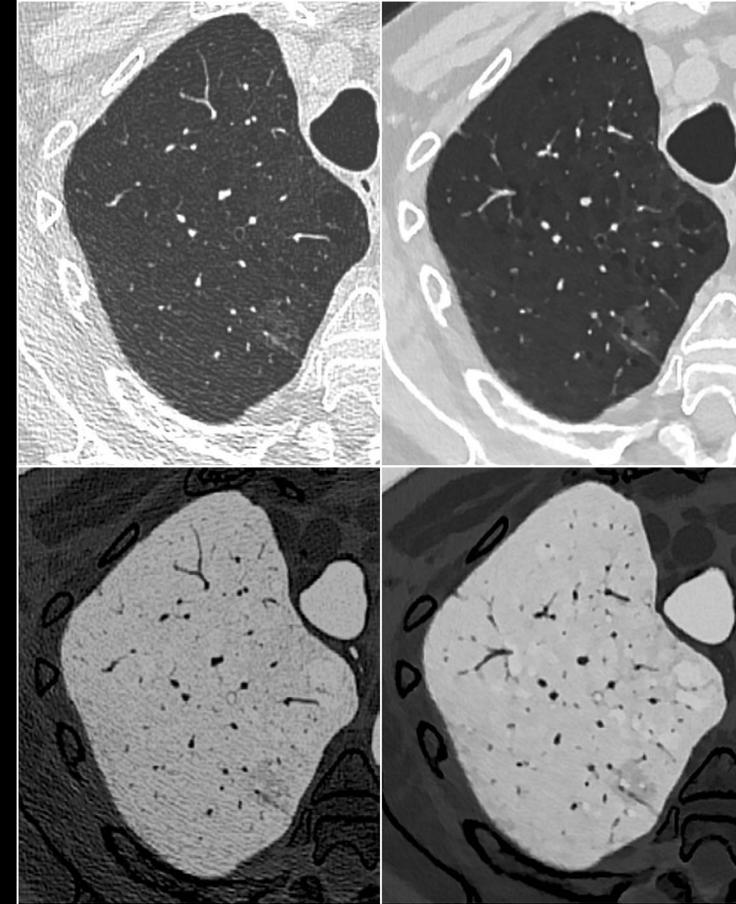
kVp: 80

mAs: 50

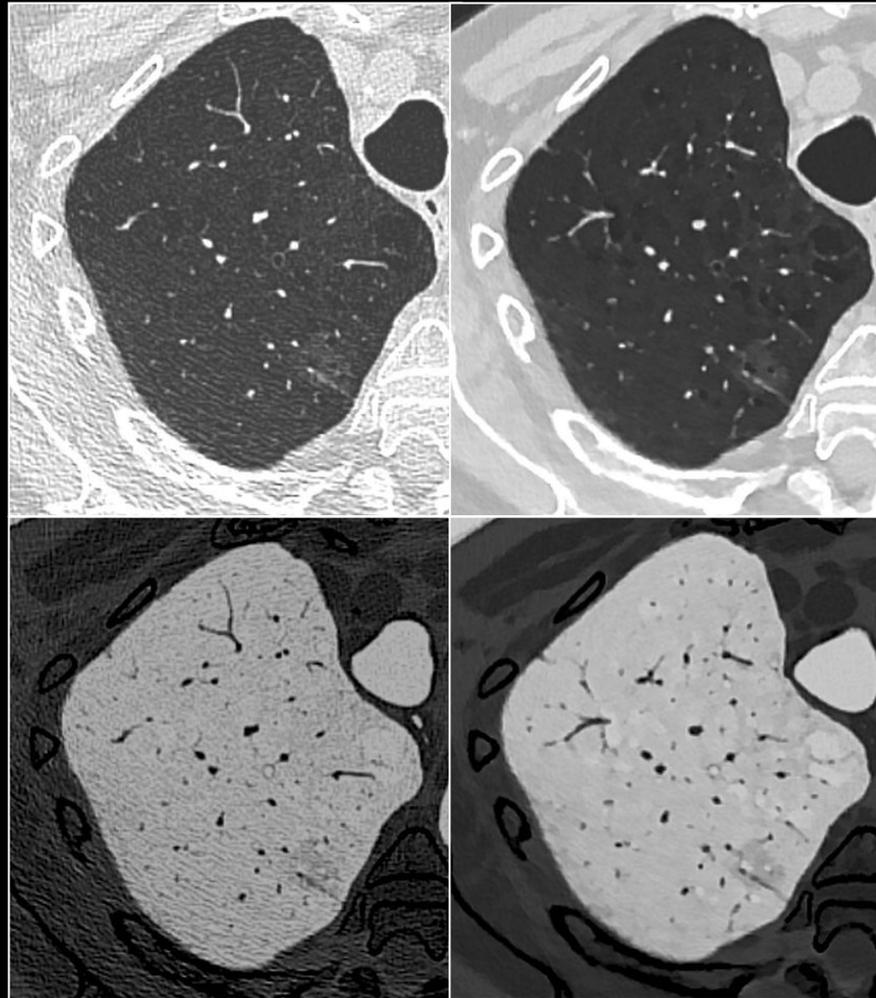
CTDIvol: 1.0 mGy

Scan Length: 38 cm

Dose: 1.7 mSv



Emphysema/Ground Glass Nodule



iDose⁴-full dose
level 5
CTDIvol 5.10

IMR-L2
- lower dose (50%)
CTDIvol 2.82