Diana Litmanovich
Phillip M. Boiselle
Alexander A. Bankier

Reply to: CT of pulmonary emphysema: Current status, challenges, and future directions

Received: 22 December 2008
Accepted: 22 December 2008
Published online: 24 February 2009
© European Society of Radiology 2009

This reply refers to the Letter to the Editor at doi:10.1007/s00330-009-1323-8.

D. Litmanovich · P. M. Boiselle
Beth Israel Deaconess Medical
Center—Radiology,
Boston, MA, USA

A. A. Bankier (✉)
Beth Israel Deaconess Medical
Center—Radiology,
Respiratory Functional Imaging,
330 Brookline Avenue,
Boston, MA, 02215, USA
e-mail: abankier@bidmc.harvard.edu
Tel.: +1-617-6672862
Fax: +1-617-6677917

Dear Sir,
We thank the author of the above letter for his interesting and pertinent remarks on our recent review article. Madani et al. [1] indeed used transverse images for their quantification of emphysema. We presume that their choice of transverse sections was determined by the attempt to embed their results in the context of their

own work [2, 3] and into the context of previous sentinel articles about the CT quantification of emphysema [4, 5]. We believe that this should not preclude the analysis of truly volumetric CT data for the quantification of emphysema, and we follow the authors of the letter in encouraging future research on this interesting topic.

References

1. Madani A, Zanen J, de Maertelaer V, Gevenois PA (2006) Pulmonary emphysema: objective quantification at multidetector row CT—comparison with macroscopic and microscopic morphometry. *Radiology* 238:1036–1043
2. Madani A, De Maertelaer V, Zanen J, Gevenois PA (2007) Pulmonary emphysema: radiation dose and section thickness at multidetector CT quantification—comparison with macroscopic and microscopic morphometry. *Radiology* 243:250–257
3. Madani A, van Muylem A, de Maertelaer V, Zanen J, Gevenois PA (2008) Pulmonary emphysema: size distribution of emphysematous spaces on multidetector CT images—comparison with macroscopic and microscopic morphometry. *Radiology* 248:1036–1041
4. Gevenois PA, de Maertelaer V, De Vuyst P, Zanen J, Yernault JC (1995) Comparison of computed density and macroscopic morphometry in pulmonary emphysema. *Am J Respir Crit Care Med* 152:653–657
5. Gevenois PA, De Vuyst P, de Maertelaer V, Zanen J, Jacobovitz D, Cosio MG, Yernault C (1996) Comparison of computed density and microscopic morphometry in pulmonary emphysema. *Am J Respir Crit Care Med* 154:187–192