CORRESPONDENCE

Fluid in the Peritoneal Cavity When Measuring Bioimpedance

Editor:

We read with interest the article by Arroyo *et al.* about the importance of having or not having fluid in the peritoneal cavity when measuring bioimpedance. We have doubts about the affirmation that peritoneal fluid overestimates the state of hydration.

The authors state that peritoneal fluid leads to overestimating corporal water. But, when we analyze the data, the difference between the 2 measures is only 180 mL while the usual peritoneal exchange volume is 2 L. Also, the order was not randomized (firstly with peritoneal fluid) and the lapse time between the 2 measures could have been up to 2 hours.

A kind of bias could have influenced these results instead of peritoneal fluid *per se*. For instance, it is possible that patients had kidney function that could have filtered the fluid. Ultrafiltration is another possible bias as it depends on the dwell time. If the fluid was measured at the start of the dwell, it is possible that part of the volume passed from the blood to the peritoneal cavity.

A randomized trial or different measures (before and after an exchange) would probably help to resolve these doubts about the need to measure with a full or empty peritoneal cavity.

DISCLOSURES

The authors have no financial conflicts of interest to declare.

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REFERENCE

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