Reviewer’s report

Title: Postdialysis Blood Pressure Rise Predicts Long-term Outcomes in Chronic Hemodialysis Patients: A Four-Year Prospective Observational Cohort Study

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Reviewer: charles chazot

Reviewer’s report:

This paper is important because it confirms the association between intradialytic BP rise and patient outcome and the relationship of this situation with volume overload. This is important for the dialysis community.

Questions and comments:

- More informations are needed about BP measurements: I hardly imagine that the patient waits for 15 minutes before the session to get the predialysis BP measurement, unless BP is assessed after dialysis start. It has to be precised. Moreover is it only one or several BP measurements with average? Is postdialysis also measured in sitting position?
- Pre and postdialysis BP data in the 3 groups should be added in Table 1
- There are differences between the 3 groups, the patients with intradialytic BP rise are older and sicker. It is important to report the intradialytic events between groups. Is fluid overload explained in this group by the fact that fluid removal is more difficult because of more hypotensive episodes or cramps?
- I do not agree in the discussion section with the quoted possible other mechanisms of intradialytic BP rise (sympathetic or renin-angiotensin axis overactivity, or hypertensive drugs removal). The Chou paper (ref 6) clearly rules them out whereas no data clearly support them. It should be rewritten
- In the background section, I do not understand the sentence « ...which may be attributed to intradialytic hypertension». Do the authors mean that it has been referred as IDH?

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests