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Reply to Letter to the Editor

We wish to thank you for your comments¹ to the Article “Randomized cross-over clinical trial comparing to pharmacokinetic models of propofol using entropy indices,”² and we would like to submit some considerations and clarifications. (i) A propofol bolus (1mg/kg) was administered to facilitate airway management in both treatments (Marsh and Schnider). (ii) To avoid sharp entropy index transitions and ensure that the study period corresponded to an anesthetized patient, the index was considered following a *delta* time, defined as the time between the start of the propofol infusion with the first sequence model until the end of airway management, once the patient reached a stable conscious state. (iii) The statistical tests proposed by Wellek and Blettner³ for the determination of the “carryover” effect did not show significant statistical evidence pointing to an effect of the first treatment over the second one. This indicates that the 20-minute washout period was enough to prevent the first treatment from having an influence on the second. Propofol is short acting, and time to recovery of consciousness ranges between 5 and 10 minutes following bolus administration, due to reduced concentration in a rapid distribution phase lasting 2 to 4 minutes. In our study, the washout period was much longer than this recovery time.

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Conflict of interest

The authors declare no conflict of interest in the preparation of the manuscript.

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