Renal responses to sevoflurane and isoflurane in patients undergoing donor nephrectomy

Dear Editor,

A recent report on renal responses to sevoflurane and isoflurane in patients undergoing donor nephrectomy by Ong Sio et al.¹ is very interesting. The authors concluded that “the overall nephrotoxicity profile of sevoflurane and isoflurane-treated donor nephrectomy patients is minimal.” In fact, this report is concordant with previous observation reported by Kim et al.² A great concern is on the possible forgotten effect of underlying genetic factors. The effect of sevoflurane and isoflurane can be modified by several polymorphisms such as *MDR1* gene polymorphism³, beta1-adrenergic receptor gene polymorphism⁴ and γ -aminobutyric acid (GABA)_A receptor.⁵ Therefore, a study is necessary to verify any confounding effect of the possible hidden non-wild type genetic polymorphisms.

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