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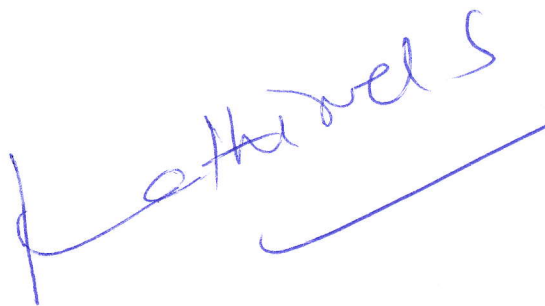
September 17, 2019

CERTIFICATE

I, Dr. Kathirvel Subramaniam, MD MPH FASE, Associate Professor of Anesthesiology, certify that the statistical methods of the manuscript titled **Minocycline fails to improve neurologic and histologic outcome after ventricular fibrillation cardiac arrest in rats** by authors Janata *et al.* submitted to the World Journal of Critical Care Medicine was performed by Drs. Tomas Drabek, MD PhD FASA and Karen Schreiber, MD PhD and verified by our Clinical and Translational Research Committee of the Department of Anesthesiology and Perioperative Medicine, University of Pittsburgh School of Medicine.

This certificate is issued upon the request of the aforementioned Journal to attest the appropriateness of the methods used within the manuscript.

Yours sincerely,



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