

This document certifies that the manuscript

**Development and validation of prediction model for microvascular invasion in hepatocellular carcinoma**

prepared by the authors

**Lin Wang, Yue-Xinzi Jin, Ya-Zhou Ji, Yuan Mu, Shi-Chang Zhang, Shi-Yang Pan**

was edited for proper English language, grammar, punctuation, spelling, and overall style by one or more of the highly qualified native English speaking editors at AJE.

This certificate was issued on **December 18, 2019** and may be verified on the [AJE website](https://aje.com) using the verification code **A92E-D1C8-5798-2019-1B5P**.



Neither the research content nor the authors' intentions were altered in any way during the editing process. Documents receiving this certification should be English-ready for publication; however, the author has the ability to accept or reject our suggestions and changes. To verify the final AJE edited version, please visit our verification page at [aje.com/certificate](https://aje.com/certificate). If you have any questions or concerns about this edited document, please contact AJE at [support@aje.com](mailto:support@aje.com).