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This is to certify that the paper titled:

Ultrasound blood flow characteristics changes in fetal umbilical artery thrombosis: a retrospective analysis

to be submitted by

Xiaohong Zhong of Xiamen University

has been edited by professional native English speaking editors at TopEdit for proper English language.

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A handwritten signature in black ink that reads 'Sumeet Radakin'.

Sumeet Radakin

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