



11th Dec., 2021

Language Certificate

Dear Sir or Madam:

This document certifies that the manuscript **MJD1912214**:

A previously unexplored etiology for femoral head necrosis: metagenomics detects no pathogens in necrotic femoral head tissue
(prepared by the author: Chao Liu, Wei Li, Feng Pang, Chao Zhang and Dawei Wang)

was edited for proper English language, grammar, punctuation, spelling, and overall style by a highly qualified, native English-speaking professional scientific editor, at Medjaden Inc. on 11th Dec, 2021. Neither the research content nor the authors' intentions were altered in any way during the editing process. The final revised version can be found at <http://pan.medjaden.com:2000/index.php?mod=shares&sid=ZWftREVQYlZ2YXhxREtPQ3d5WjJtOFpsdGkzUnc1ekdHN2gyam00>. (verification code: **MJD2021**)

Yours sincerely,

(Ms.) Hua (Selin) He for Medjaden Inc.

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