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Reviewer 1#

This is an interesting study about the effect of UW solution for preserving standard and marginal criteria liver grafts of young and aged rats ex vivo by hypothermic machine perfusion. The study is well designed, and the results support the conclusion. In this study, 18 young and 18 aged healthy male SD rats were selected and randomly divided into 3 groups—the control group, the UW solution perfusion group, and the UW solution with metformin perfusion group. The AST, ALT, LDH, IL-18, and TNF- α from the perfused liquid were tested. The authors found that the AST, ALT, LDH, IL-18 and TNF- α levels of the young and aged liver-perfused liquid in the MUWP group were, respectively, significantly lower than that in the UWP group, but no significant differences between the young and aged MUWP groups were found.

Comments

1 A minor revision for the language.

Answer:

We are sorry to make some mistakes in language. Considering that we are not native English speakers, the manuscript has been edited by highly qualified native English speaking editors as requested.

2 The results are good, however, some more recent references should be discussed.



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Answer:

The references have been updated as suggestion. The old reference article №17 was deleted and the new reference article №18 was added; The old references article №25 and №26 were replaced by new ones.

3 The figures are good, if the figure 5 and figure 6 can be changed to color figures, it will be more interesting.

Answer:

Thank you for your kindly suggestion. Color figures seem more attractive, black-and-withe photosare conventionally used to demonstratethe ultrastructural changes observed by electron microscope. Therefore, we think the black-and-withe photos we used to seem better.



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Reviewer 2 #

Comment

Very interesting study. Only some minor language revision needed.

Answer:

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Reviewer 3[#]

Excellent and well designed study. Only some minor language revisions are required.

Answer:

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