Responding to Reviewers' comments:

Reviewer #1:

It is a good meta-analysis study revealing diagnostic capacity of MRCP. I do not any critics but I suggest a review by a biostatistian.

Response: - Reviewers' suggestion is appreciated. A biostatistician of our institution was invited to review this paper, and he gave a positive evaluation.

Reviewer #2:

This paper investigates the role of MRC in evaluating the biliary anatomy in LDLT donors before operation. And the study shows that MRC is of high specificity but moderate sensitivity. However, such results were obtained at the absence of a golden standard diagnostic test, which would make it less conclusive, although the authors explained it in the Discussion section. Furthermore, the type of studies and the according number that were included for analysis should be stated in the Results section instead of the Discussion section.

Response: - We appreciate the reviewers for having critically read our manuscript, and are thankful for their comments. We have made some adjustments to remove some contents from discussion to results. Most studies included in this analysis used IOC as the "gold standard" except one, and we did a sensitivity analysis to demonstrate the little influence of this study to overall results. So we think our results were little influenced by partial verification bias.

Reviewer #3:

In livind-donor liver transplantation (LDLT), preoperative assessment of bilialy duct is so important, especially in a case of posterior graft. Zhi-gang Min, et al reported MRC is a high specificity but moderate sensitivity technique in diagnosis of biliary anatomy in LDLT donor. Other inspections of biliary duct is maybe invasive, and therefore MRC is a good tool for the first survey of biliary tree. This report is informative for transplant surgeons, even though the sensitivity is moderate. If you have a data focused on the detection rate of detailed B6 and B7, please add them in the result section. Posterior branches sometimes show anomaly.

Response: - We appreciate the reviewers comment. However, with the limited data, the detection rate of detailed B6 and B7 was not available.