

Date 2023.09.03

Answering reviewers

Reviewer#1

#1 The publication format does not seem to be in line with the CARE Checklist-2016.

->We re-upload CARE checklist-2016

#2 There may be several drugs that take vasospasm, but what is the reason for using prostaglandin E1? Did you not consider prostaglandin F2 α or other vasodilators?

->After liver transplantation, we used PGE1 to prevent vascular aerobic stenosis, and we planned to use PGE1 systemic at the time of the procedure, and it was thought that it would be effective for the arterial diffuse spasm. There is no experience with other Prostaglandin or vasodilator in transplantation.

#3 The authors should describe the initial dosage of tPA and prostaglandin E1. Also, the authors should provide a reference paper as to why you decided on subsequent doses in this manner.

-> In the case of tPA, it is difficult to write down the dosage because thrombolysis occurred when given once during the procedure rather than being used continuously. We used systemic PGE1 initially 20mcg/hr by intravenous infusion, and in intraarterial manner, PGE1 infused initially 6mcg/hr. Since there was no study of complications after such a liver transplant, there was no exact criterion for doses, so I started with a 1/3 dose of the Systemic Dose and then used a method of gradually increasing the spasm when F/U.

#4 The figures are large and difficult to understand, please make them clearer by trimming the necessary parts. Is there a guide wire in the one in Figure 2 at the time of the spasm? Is it unlikely that the guidewire was inserted and the beads were used as a result?

->We will be revised and upload image again. In a photo of Figure 2's BEEDS - shaped photos, Guidewire was located more at the vasospasm point, and beads shaped photo wasn't interventional instrument, diffuse vasospasm characteristic angiographic image.

Reviewer#2

This case is an innovative treatment, which has certain guiding significance for clinic. It should sum up clinic experience in the future work and explore the treatment timing, indications, dosages and possible complications.

->Thanks for your comments.