Reviewer’s report

Title: Total Aortic Arch Replacement under Intermittent Pressure-augmented Retrograde Cerebral Perfusion

Version: 1 Date: 28 August 2010

Reviewer: Mitsuhiro Kawata

Reviewer’s report:

Dear the authors,

Although this paper reports data in one patient only, the results warrant publication to raise awareness and prompt further research in this area.

This IPA-RCP procedure was applied accidentally to the emergency case in order to prolong the safe limits of RCP. And also this technique was used in your hospital for the first time. Congratulations on successful results.

It was very interesting that the rSO2 wave changed following the pressure augmentation. Could you add the CV pressure wave into Figure 1, rSO2 wave based on the same time scale? If you can do it, this report became more meaningful.

I agree with your named "bottom raising effect" of IPA-RCP.

I’m looking forward to your randomized comparative study in clinical cases of IPA-RCP and conventional RCP data.

Sincerely,

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Level of interest: An article of outstanding merit and interest in its field

Quality of written English: Acceptable

Declaration of competing interests:

I declare that I have no competing interests.