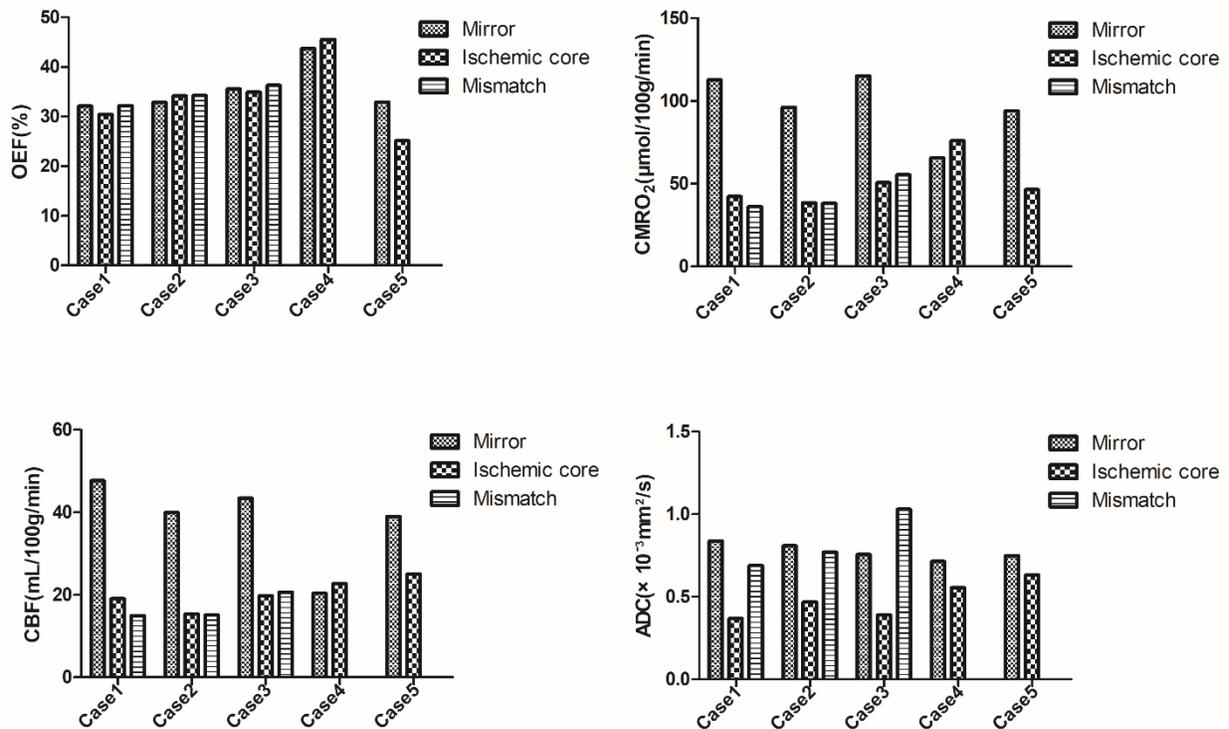


## Supplementary Material

### Supplementary Figures



**Supplementary Fig 1.** The OEF, CMRO<sub>2</sub>, CBF and ADC values of the five acute ischemic stroke patients (Case 4 and 5 did not have a mismatch region). For case 1-3 (MRI at 18, 6 and 24 hours from stroke symptom onset), the ischemic core had considerable OEF value similar to the contralateral region, and the mismatch region surrounding the ischemic core had a slightly higher OEF value, both the ischemic core and mismatch region had a decreased CMRO<sub>2</sub> and CBF. For case 4 (5 hours from stroke symptom onset), the OEF, CMRO<sub>2</sub> and CBF in the ischemic core all increased when comparing to the contralateral region, suggesting the ischemic tissue was struggling to survive. For case 5 (20 hours from stroke symptom onset), the OEF value in the ischemic core substantially decreased, suggesting this may not be a candidate benefiting from endovascular thrombectomy.