Online Figures

Figure 1.   Example of a failure during automated post-processing of CT-perfusion data.

Green indicates penumbra (Tmax>6s). If the PCT results would have been

interpreted literally, this patient would not have been treated because of the

artifactual presence of a constituted infarct without any penumbra.
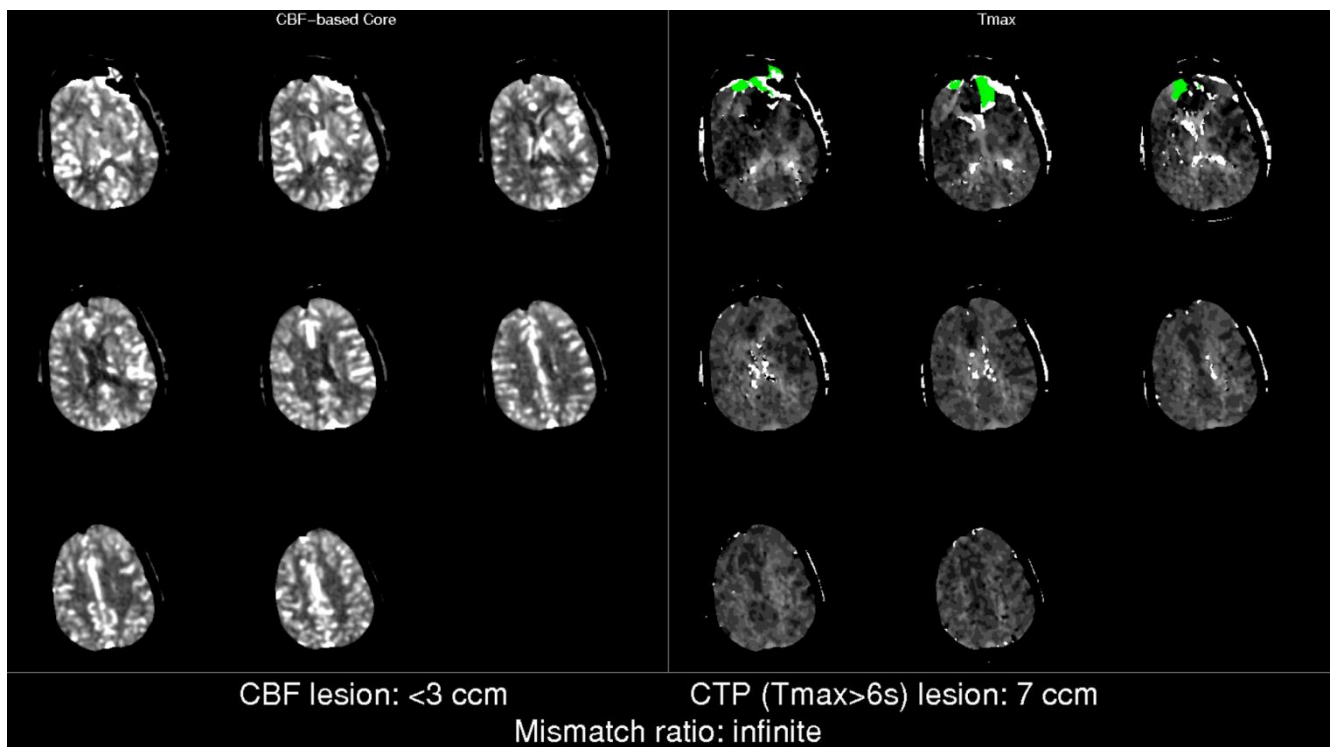
Figure 2.   **(A)** Another example of a post-processing failure. Purple indicates infarct core (cerebral blood flow <30%) and green indicates penumbra (Tmax>6.0s). This patient would have been treated if the PCT results would have been interpreted literally because of the artifactual presence of a small ischemic core with a large mismatch. **(B)** However, on subsequent MRI, a small infarct was seen in a different region of the brain than that identified by PCT, which matched better the patient's presenting symptoms and, together with the lack of a large artery occlusion, explained why the patient did not receive endovascular treatment.