



Figure, Supplemental Digital Content 4: Steps and Corresponding Results to Compare the scDCT and SPY-PHI Measurements in P2. (a) A square area of $20 \times 20 \text{ mm}^2$ was superimposed on top of the original ICG map obtained by SPY-PHI at the ischemic region with the lowest BF value detected by the scDCT. The dashed yellow box represents the selected ROI of $80 \times 80 \text{ mm}^2$ for scDCT. (b) The area of $20 \times 20 \text{ mm}^2$ was segmented into 8 regions/contours based on ICG perfusion levels. (c) A 3D view of BF distribution reconstructed by the scDCT. A cube of $20 \times 20 \times 20 \text{ mm}^3$ was selected at the ischemic area with the lowest BF. (d) The cube of $20 \times 20 \times 20 \text{ mm}^3$ was segmented into 8 volumes/contours based on BF levels. Only 4 contours (C2, C4, C6, and C8) out of 8 are shown to facilitate better illustration.