Supplementary Figure S1—Q-Q plots in which observed data for T0 (A), MTT (B) and CBF (C) obtained from 12 dogs with IE (y-axis) were plotted against corresponding theoretical data generated by mathematical modeling (x-axis) for various regions of the brain. For mathematical modeling, MTT was assumed to have a normal distribution, whereas T0 and CBF were assumed to have γ distributions. The solid diagonal line is the identity line, or line of equality (ie, y = x). Notice the magnitude of deviation from the identity line tends to increase at both ends of the data spectrum for all parameters at all brain locations. When these plots were compared with corresponding Q-Q plots for healthy dogs of a similar study, it was apparent that the assumed distributions for T0, MTT, and CBF for dogs with IE were not as precise as those for healthy dogs. However, because we wanted to compare brain perfusion parameters between the dogs with IE of this study and the healthy dogs of that other study, the same types of distributions were used.