

Figure 1 a) The energy dissipation for an ictal network from 10 seconds after perturbation is applied (t=10 sec) until it is completely dissipated (t=28 sec). In this example, channel 16 was perturbed and dissipation time equals 28 sec and dissipation speed is 1/28=0.0357 sec¹.

Figure 1 b) The average normalized dissipation speed for ictal, pre- and post-ictal periods. **
denotes p-value_{adj} lower than 0.001

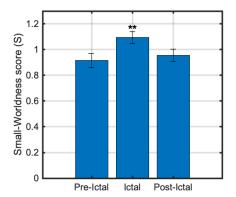


Figure 2 a) The Small-Worldness score (S) for ictal, pre- and post-ictal periods. ** denotes p-value_{adj} lower than 0.001

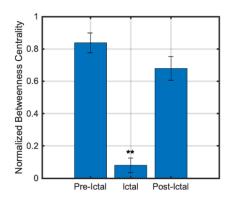


Figure 2 b) The Normalized Betweenness Centrality for ictal, pre- and post-ictal periods. ** denotes p-value_{adj} lower than 0.001