



Supplementary Figure 3. Prototype of the seizure detection system (SDS). The SDS comprises a wireless three-axis accelerometer (width: 40 mm, height: 60 mm, depth: 15 mm, and weight: 25 g), monitoring device, and smartphone. The monitoring device implements the seizure detection algorithm and detects seizures with the acceleration data sent by the accelerometer. When the monitoring device identifies a seizure, it sends a notification to the smartphone.