

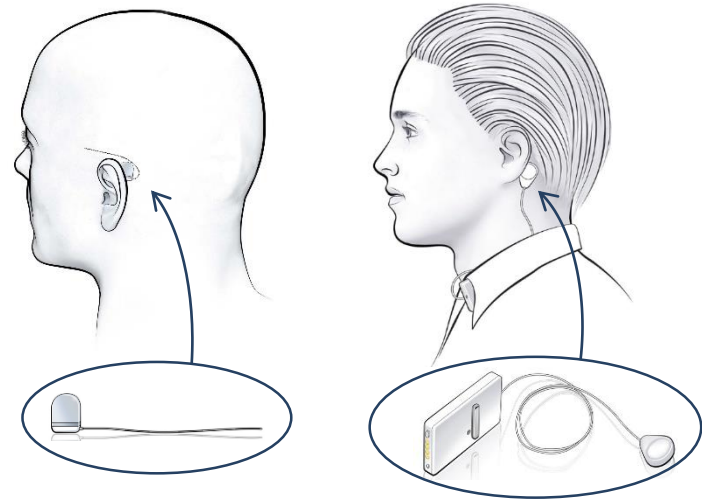
Semi-Supervised Learning in EEG-based Epileptiform Pattern Detection

Traditional EEG equipment:
Typically used at the hospital.



Source: Hearing4all.eu

HypoSafe's EEG monitor:
Designed for home use.



hypo safe

Semi-Supervised Learning in EEG-based Epileptiform Pattern Detection

Data:

- A clinical trial with epilepsy patients starts in October 2016.
- The patients brainwaves will be recorded by the HypoSafe device over a period of 4 months.

Method:

- Label a few data points, train a semi-supervised algorithm to identify possible epileptic discharges.
- Label outcome of semi-supervised algorithm as TP or FP
→ create labeled data set.
- Train and test a supervised algorithm.

