

## How to read EEG

- First look at whole recording to make a general impression
- Evaluate recording filters/parameters – correct/incorrect
- Use/change filters if helpful for better understanding of the electrical phenomena
- Perform interpretation

## Recommended structure of an EEG report

- **Awake**
  - EEG in resting period
    - Rhythms in all areas
    - Spontaneous pathological EEG changes
  - EEG activation (IPS, HV) – what effect on:
    - Resting rhythms
    - Existent spontaneous changes
    - Occurrence of new changes
- **Artifacts** – description + interpretation
- **Seizures**
  - Describe onset, propagation
  - Clinical correlate
  - Same/different onset
- **Sleep**
  - Sleep structure – stages
  - Background rhythms
  - Normal sleep elements
  - Changes induced by sleep of the pathological awake elements
  - New changes induced by sleep
- **Interpretation /conclusions**
  - Normal/pathological
  - Lesional/epileptic
- **Diagnostic suspicion**

