## **INTRACRANIAL ELECTRODES (IEEG)**

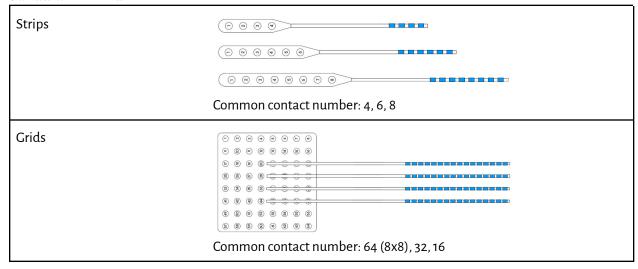
## Intracranial EEG may be recorded using:

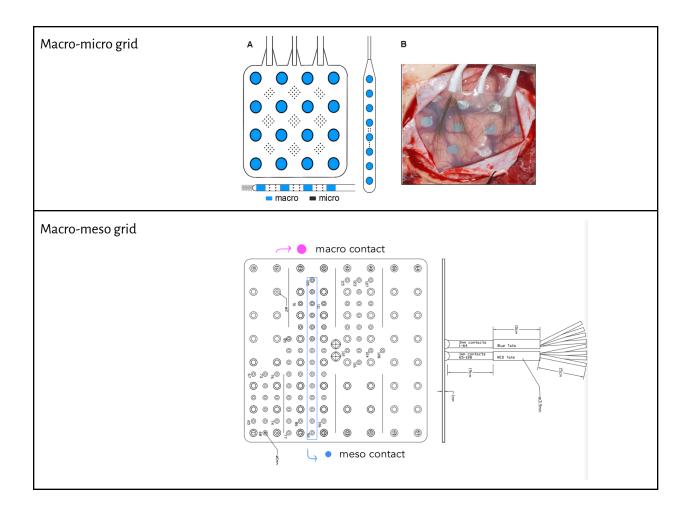
- Subdural electrodes- placed on the cortical surface directly.
  - Subdural strip electrodes
  - o Subdural grid electrodes
    - Macro
    - Meso
    - Micro
- Depth electrodes (stereoEEG (sEEG))- probes placed stereotactically into brain substance
  - Depth probes
  - o Microwire depth electrodes
  - o Macro-micro depth electrodes
- Neuroport (Utah) array
- Laminar electrodes

#### Characteristics:

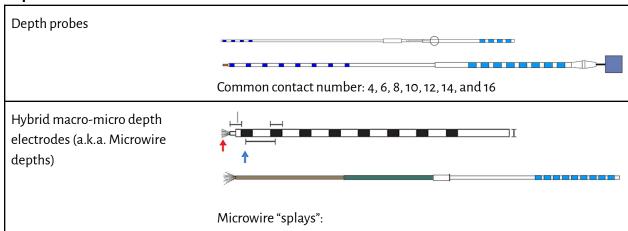
- Number of electrodes/ contacts
- Contact spacing- distance between contact centers
- Contact diameter

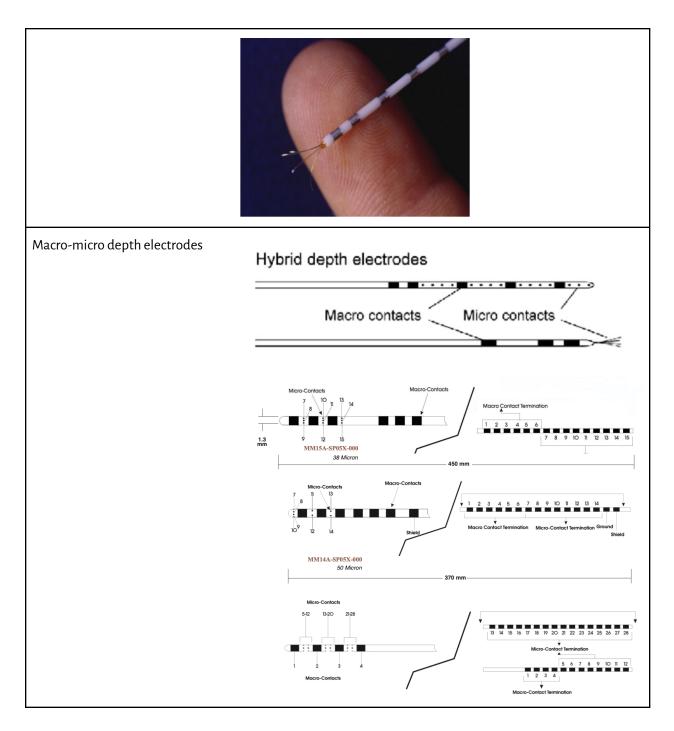
### Subdural electrodes



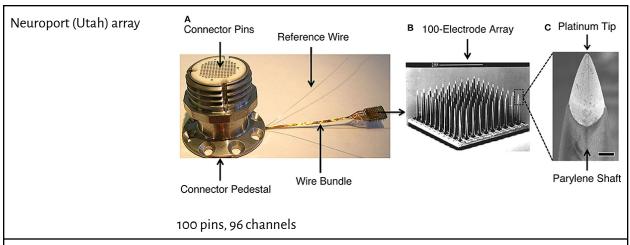


# **Depth electrodes**





## Other



Laminar "thumbtack" electrode



Foramen ovale electrodes

