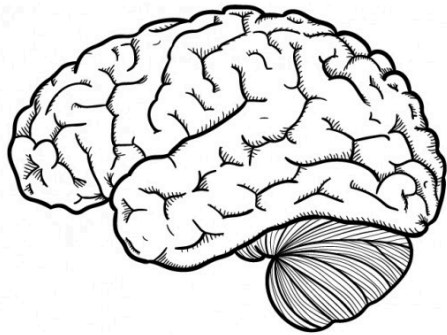


# Eletrencefalografia

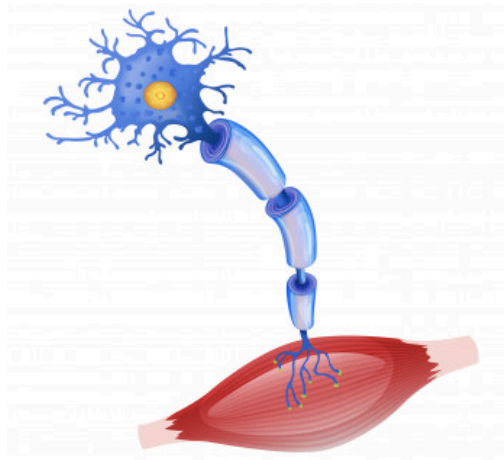
Maria Augusta Montenegro  
Departamento de Neurologia  
FCM Unicamp



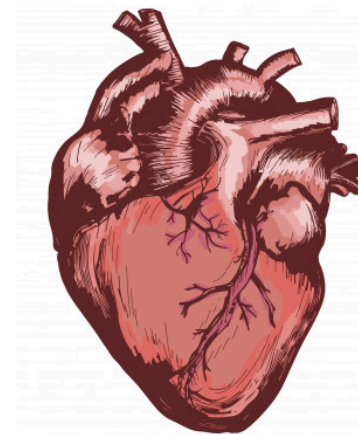
# Estruturas que usam “eletricidade”



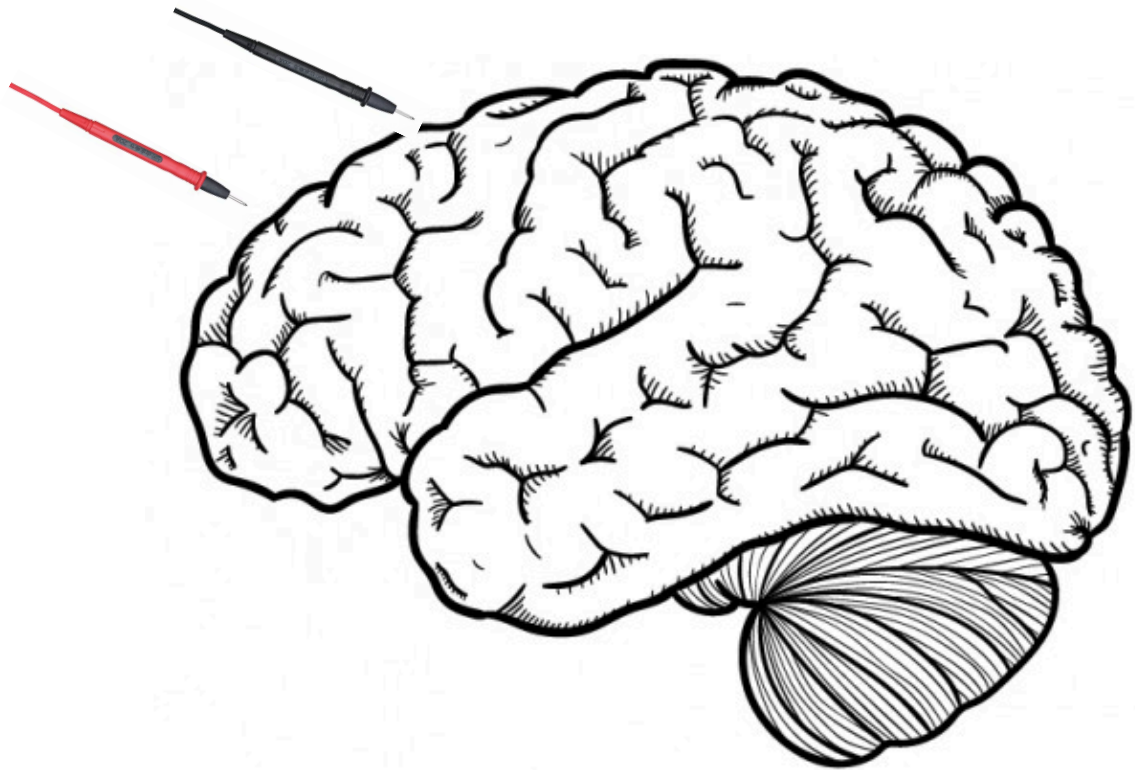
Eletrencefalograma



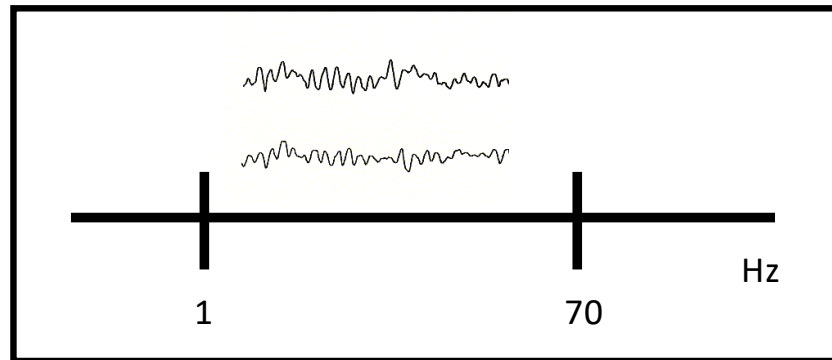
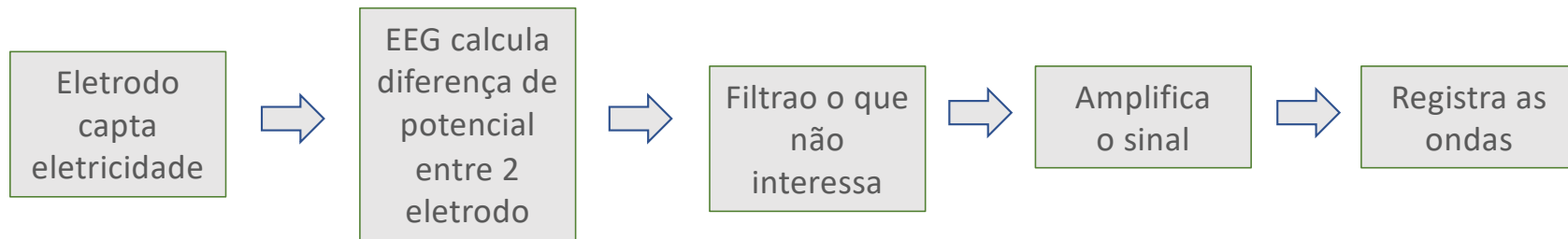
Eletroneuromiografia



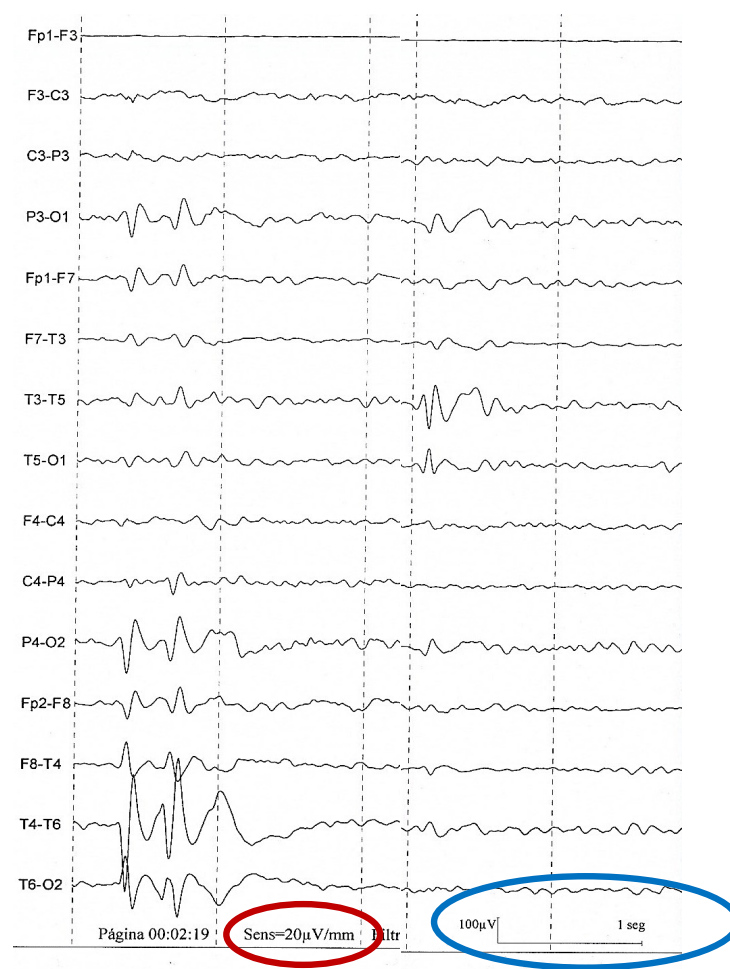
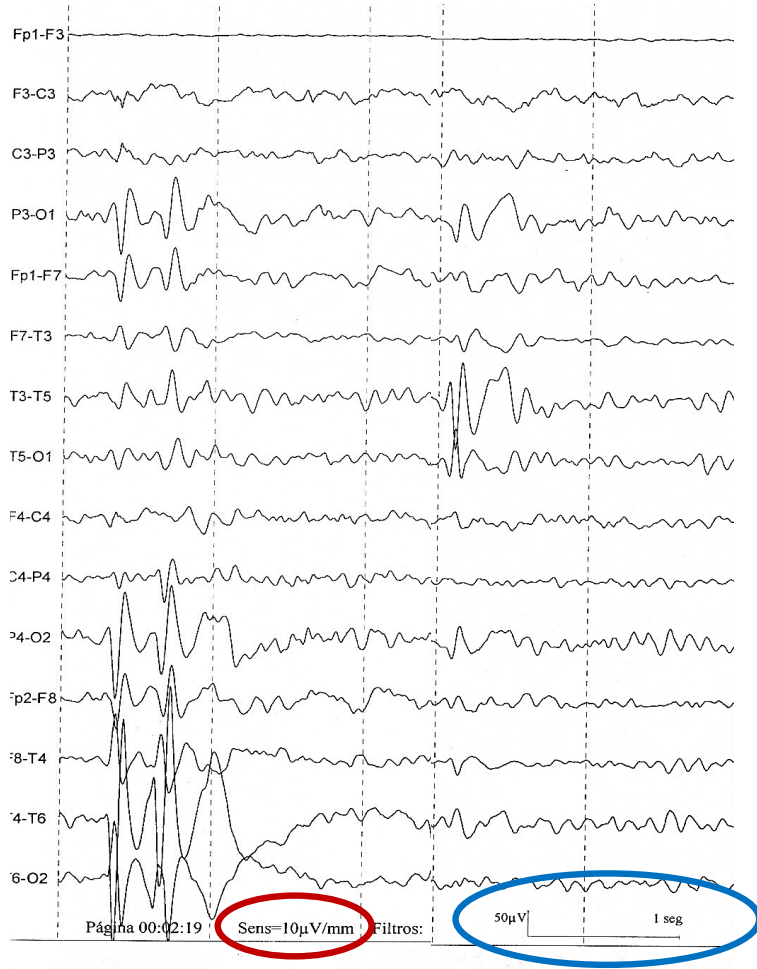
Eletrocardiograma



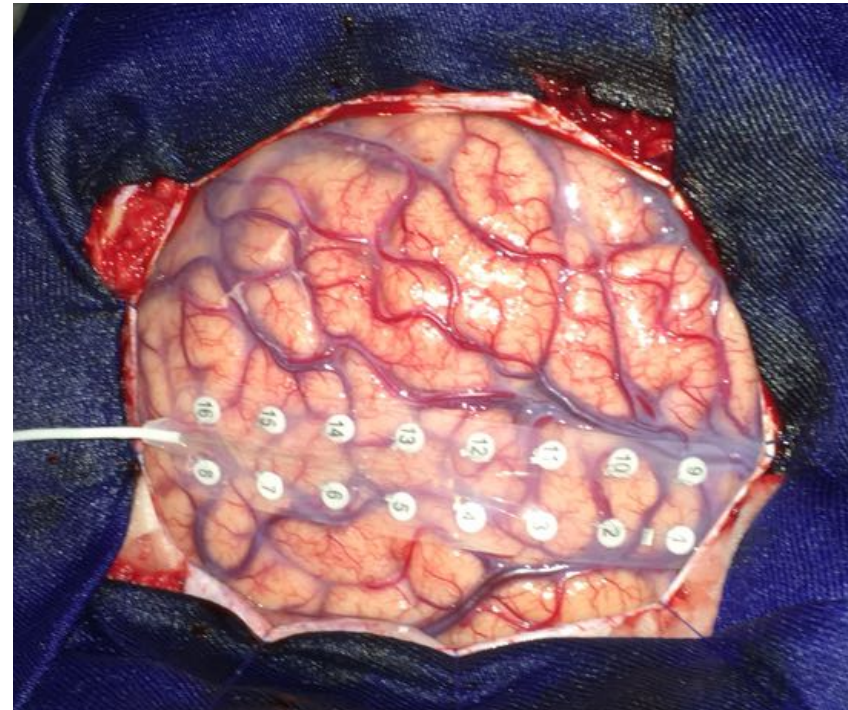
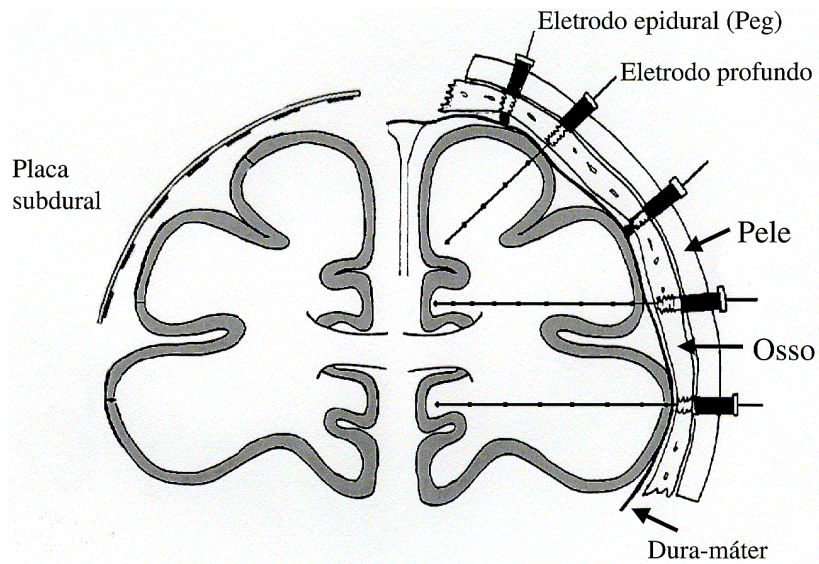
# Eletrencefalograma



# EEG na Prática Clínica 2018, Thieme-Revinter



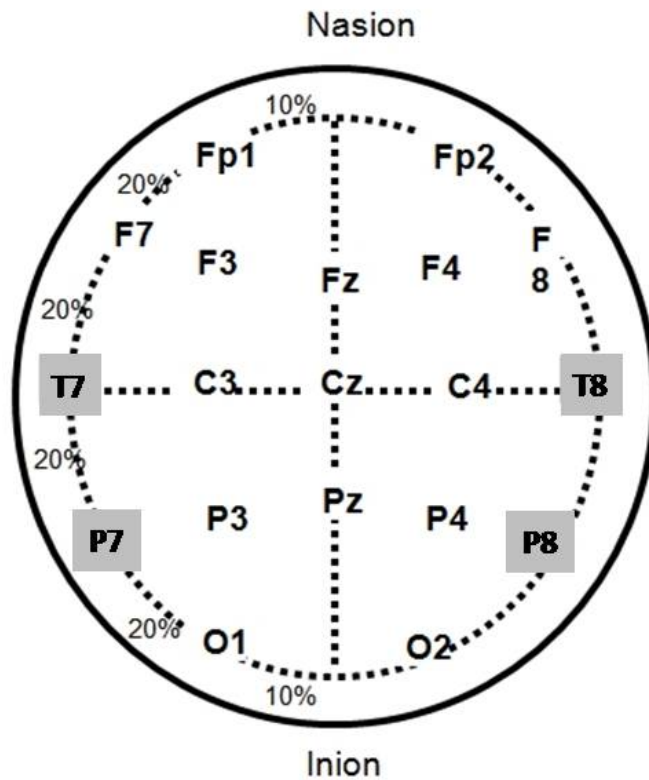
# Colocação dos Eletrodos



Cortesia Dr. Fernando Cendes

# Colocação dos Eletrodos

- Sistema 10-20
- Distância entre os eletrodos é 10% ou 20%.
- Pontos anatômicos: glabella, protuberância occipital, pontos pré-auriculares.
- A distância entre os eletrodos sempre vai ser proporcionalmente semelhante, independente do tamanho da cabeça do paciente.

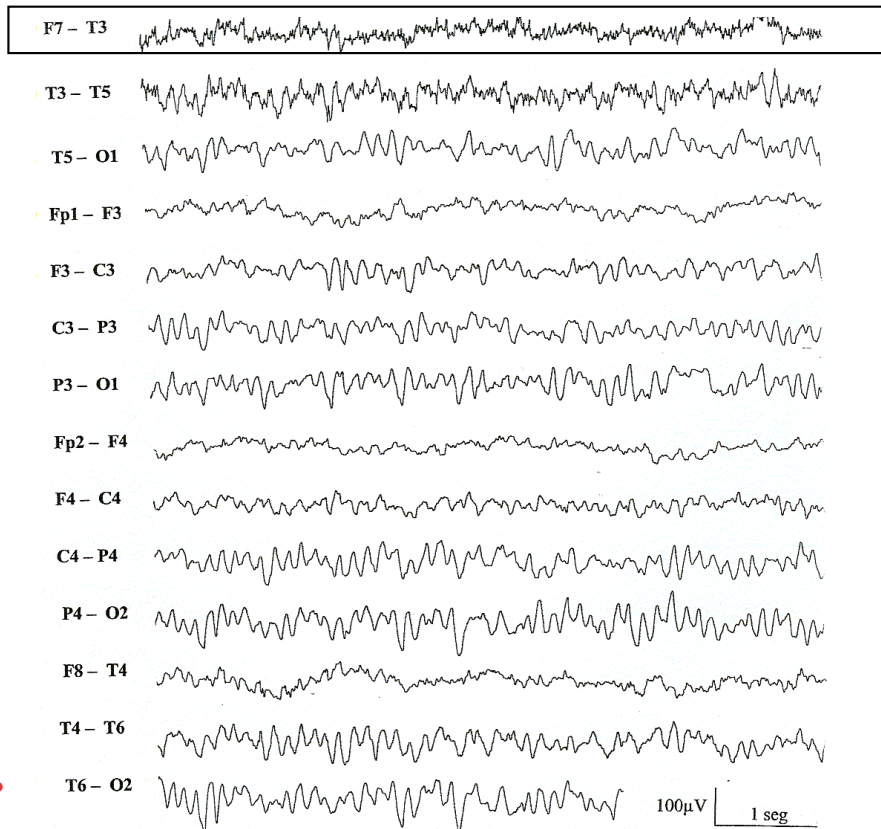


- T3/T4 passam a ser T7/T8.
- P7/P8 passam a ser P7/P8.
- Todos eletrodos de uma mesma linha passam a ter a mesma designação numérica.
- Excessão: Fp1, Fp2, O1, O2.





# Derivações e Montagens



Derivação: Par de eletrodos ligados a um canal do EEG. Número mínimo recomendado: 16.

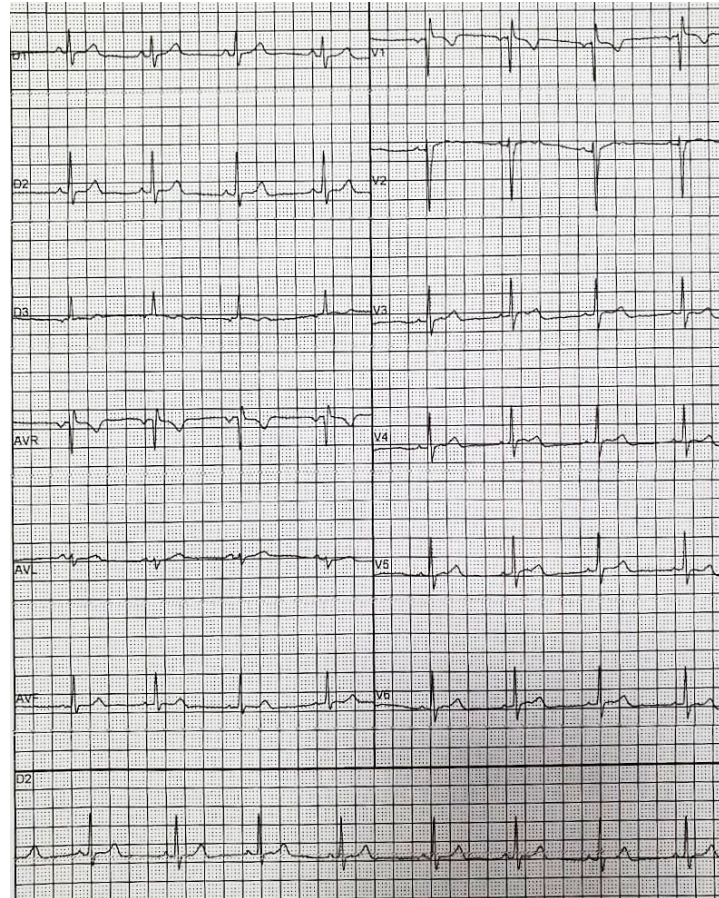
Montagem: conjunto de derivações.

- Canais anteriores ficam acima dos posteriores.
- Canais da esquerda acima da direita.

# Derivações do Eletrencefalograma



## Várias Derivações do Eletrocardiograma

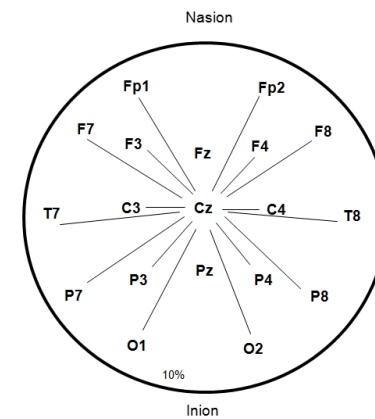
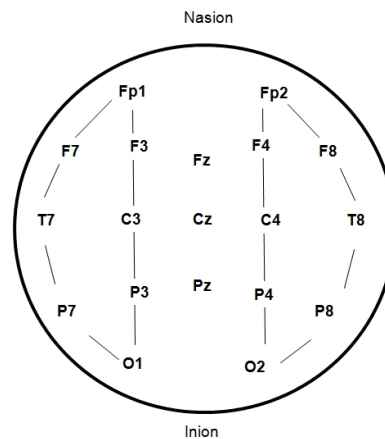
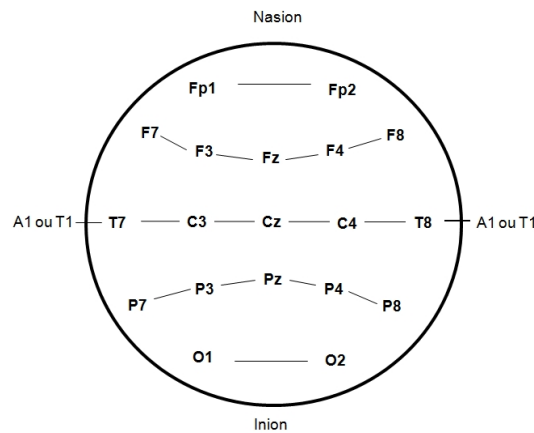


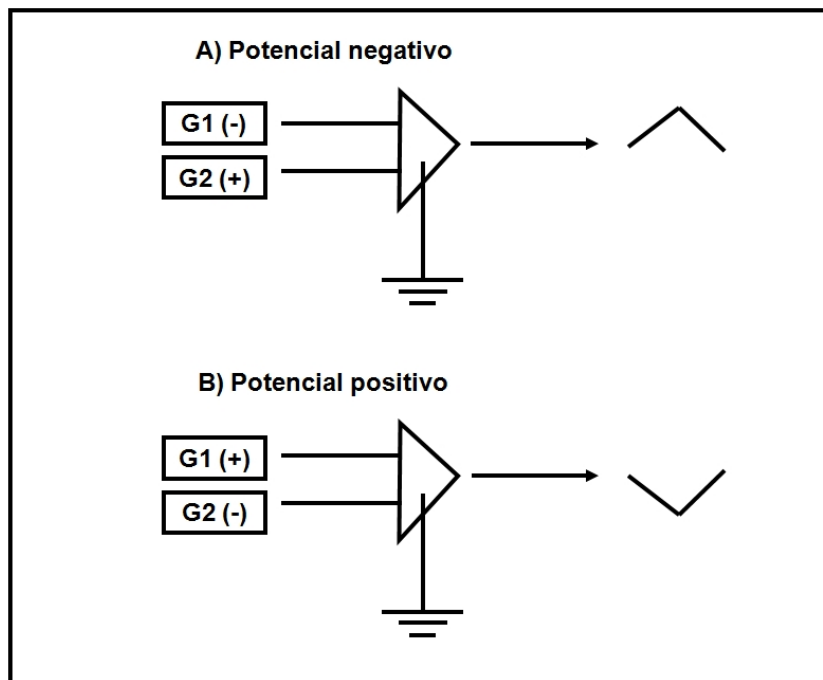
As diferentes montagens permitem “olhar” o cérebro de ângulos diferentes.



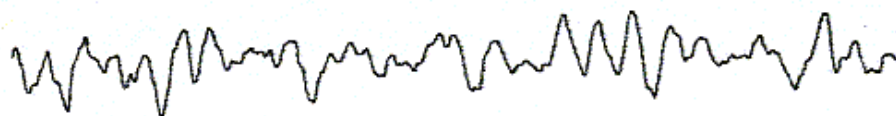
# Montagens

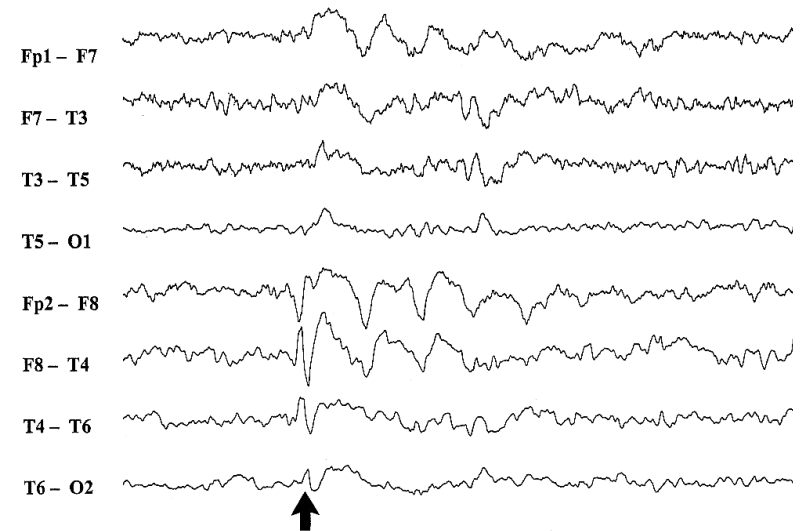
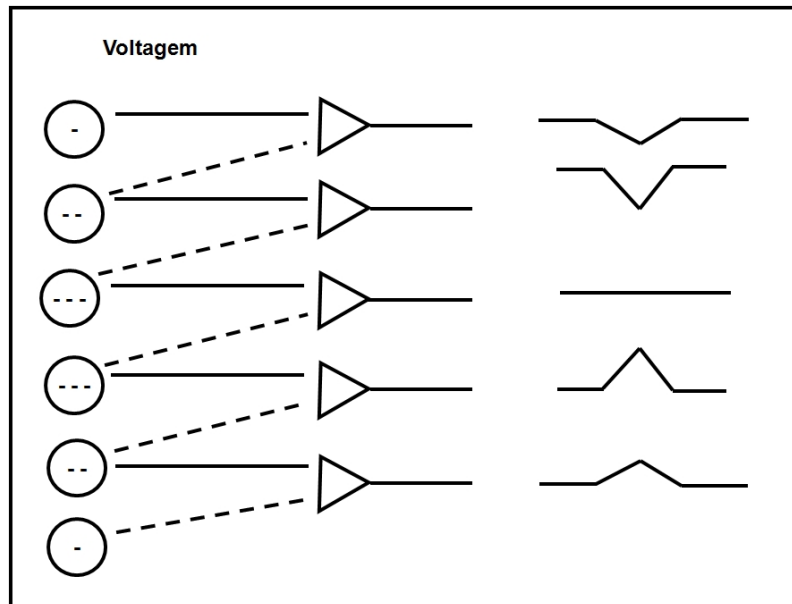
- No mínimo 1 montagem bipolar transversa, bipolar longitudinal e referencial.





T5 - O1



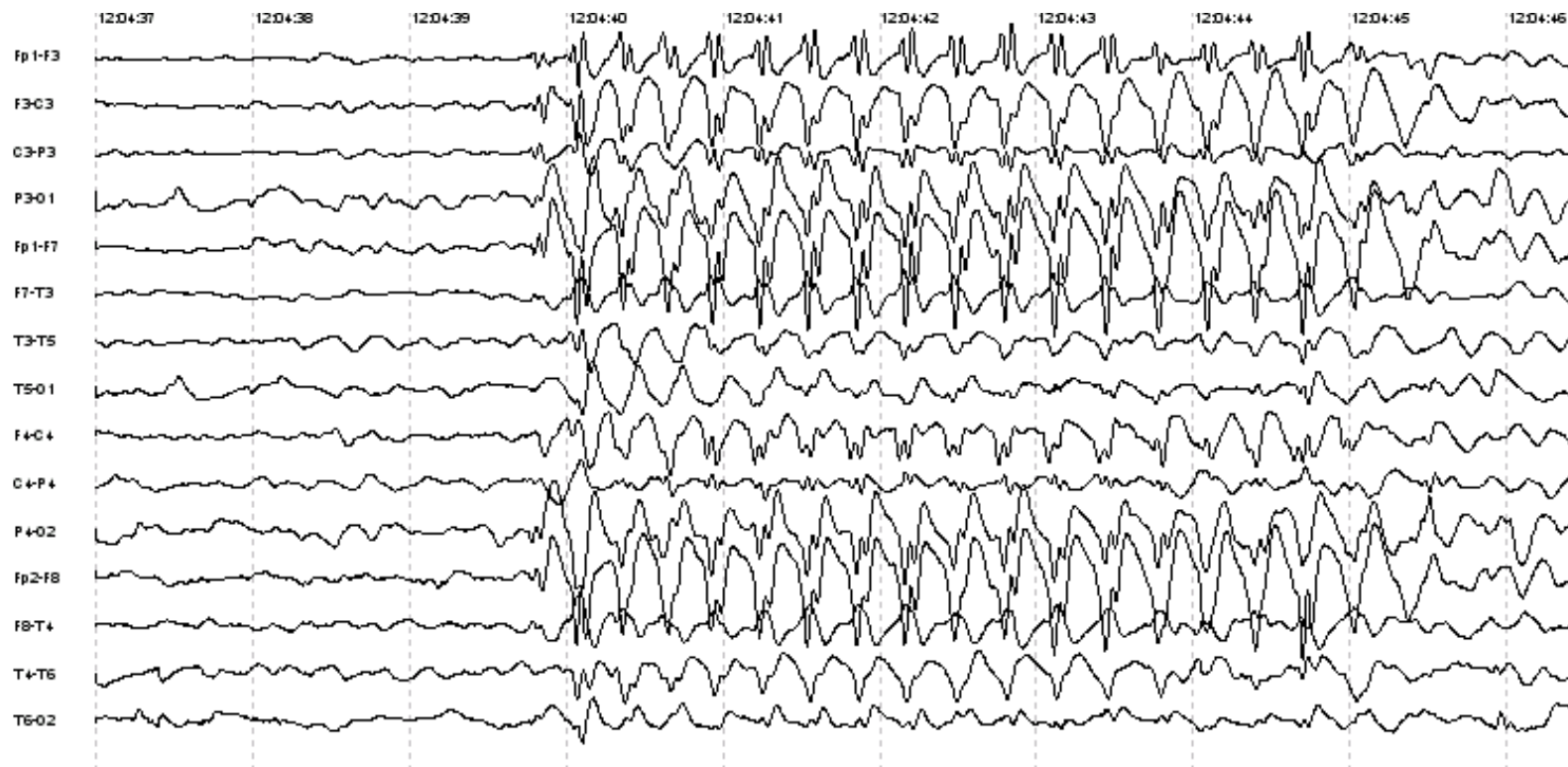


# Métodos de Ativação

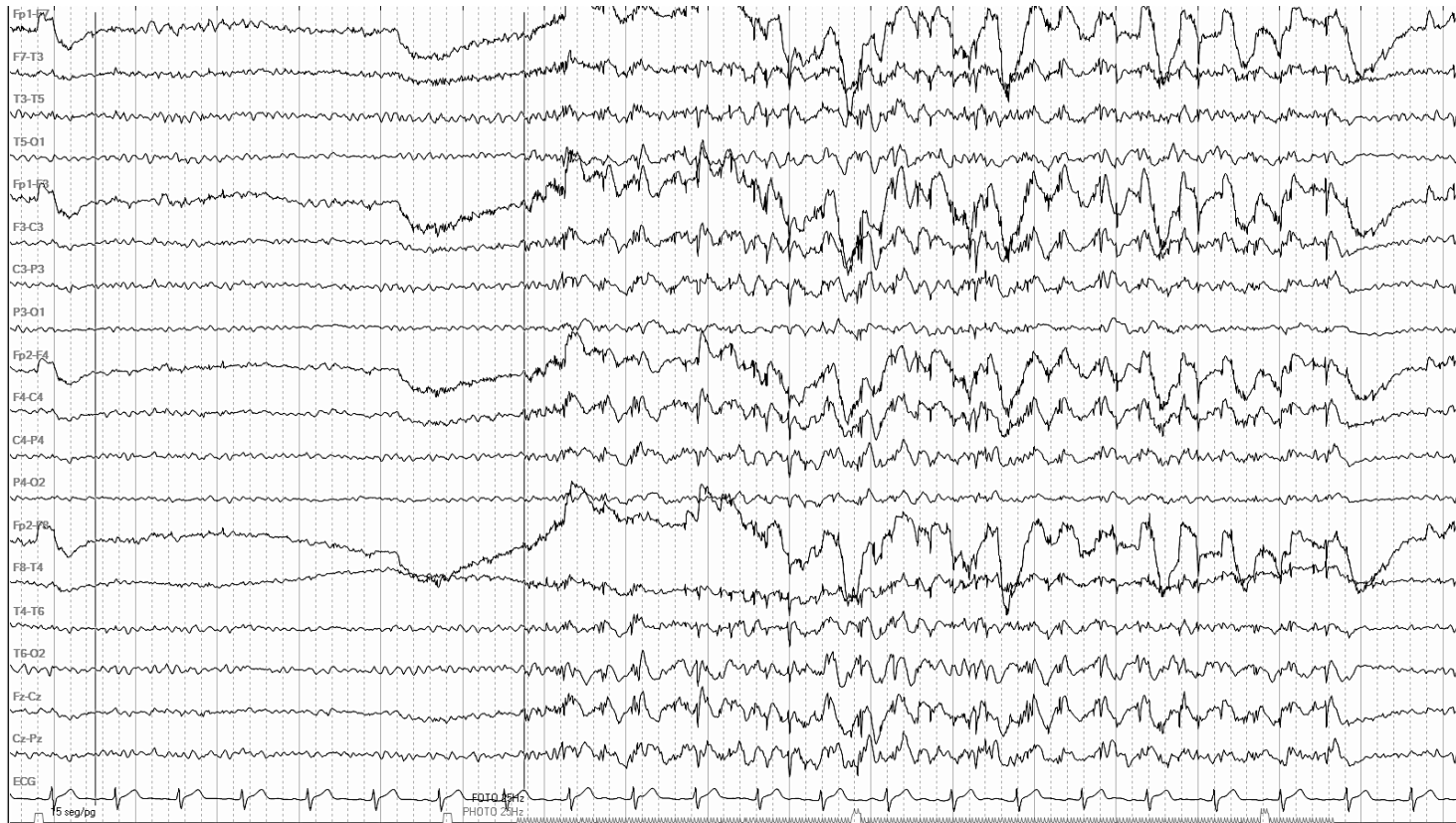
- Hiperventilação
- Fotoestimulação



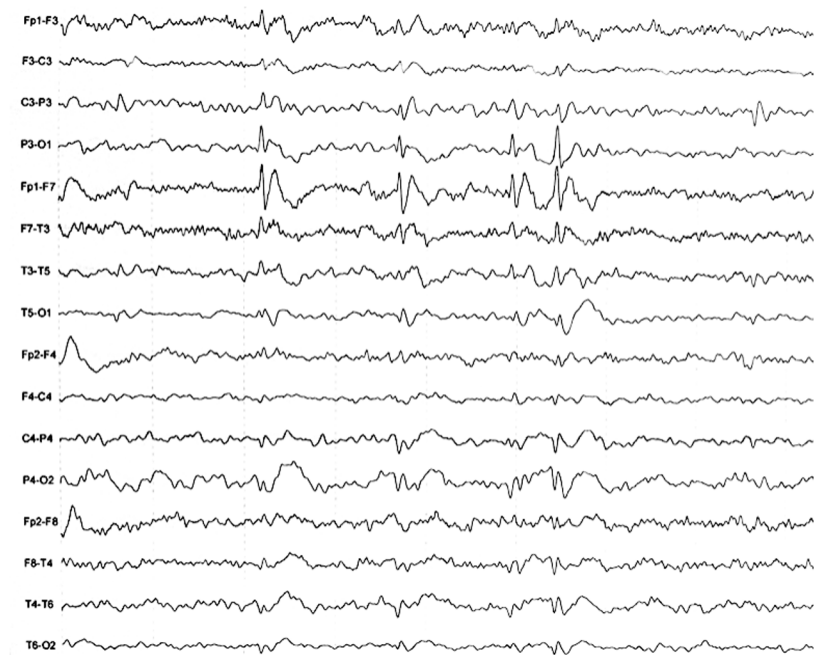
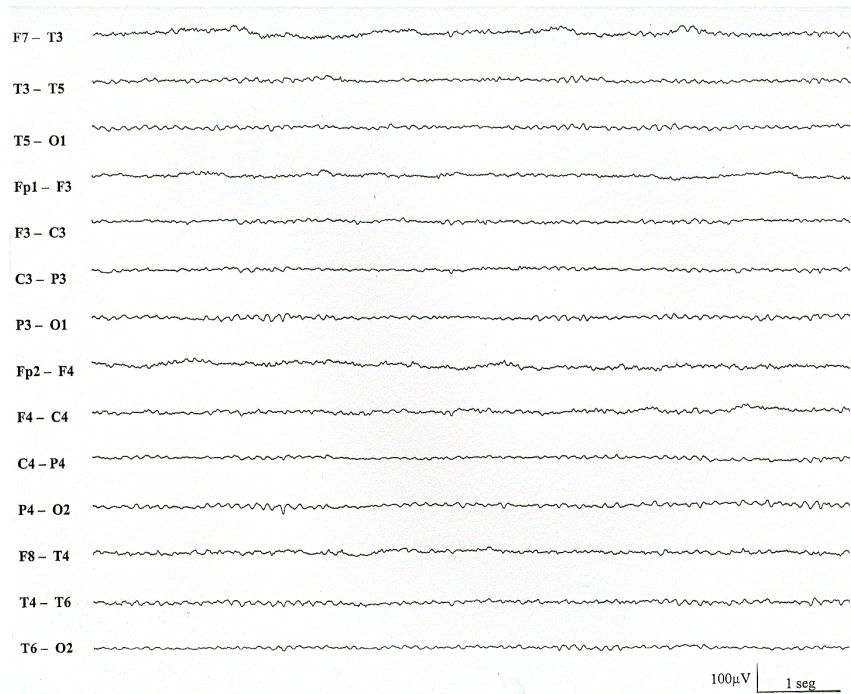
# Hiperventilação



# Fotoestimulação



# Tem alguma coisa anormal?

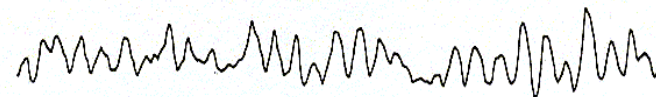
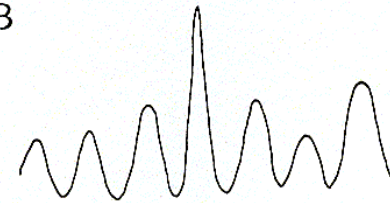


A



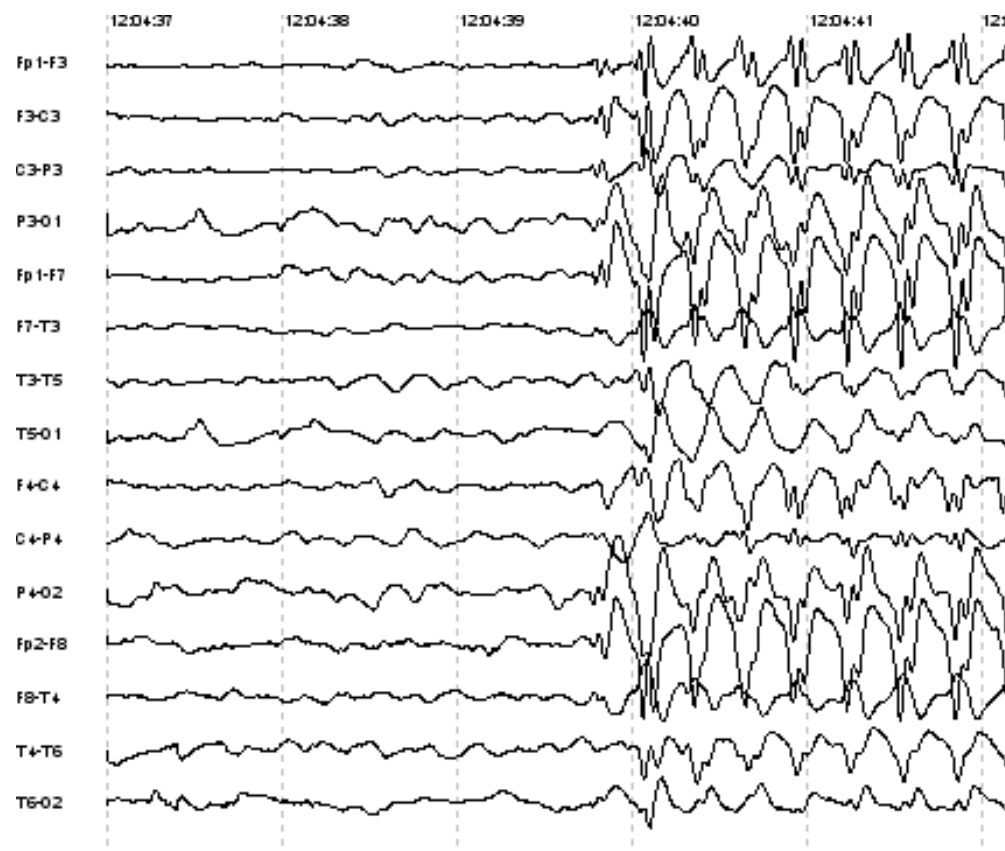
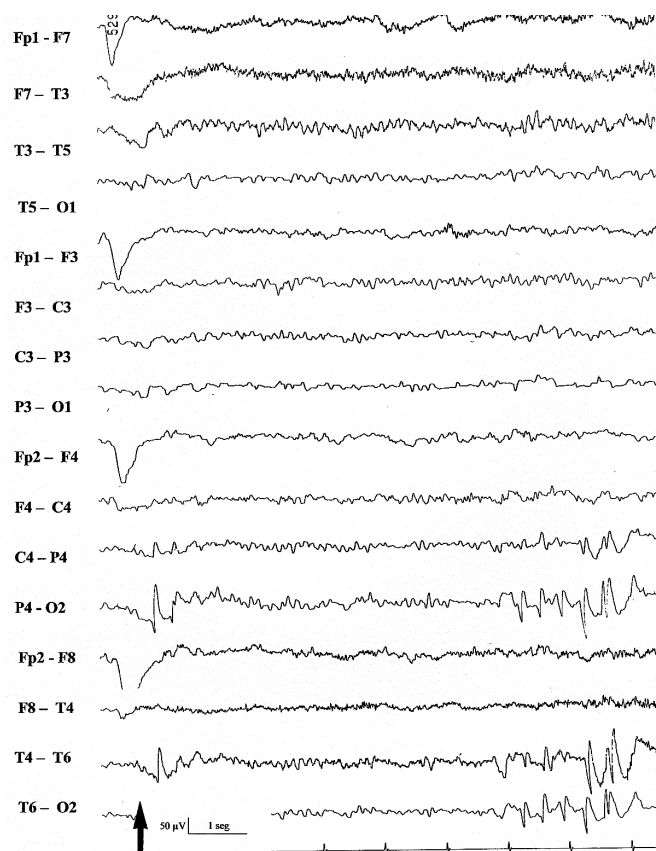
Atividade Epileptiforme

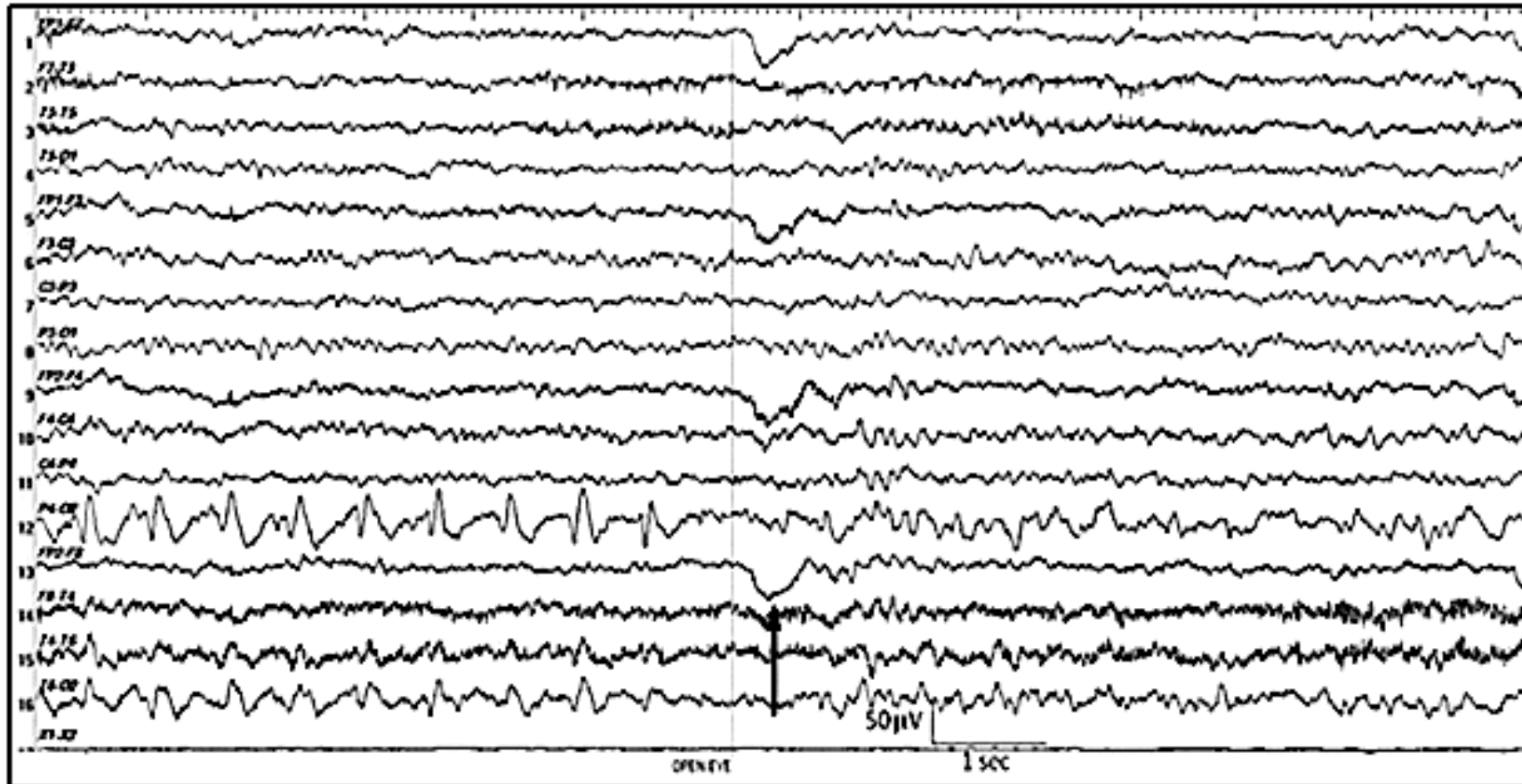
B

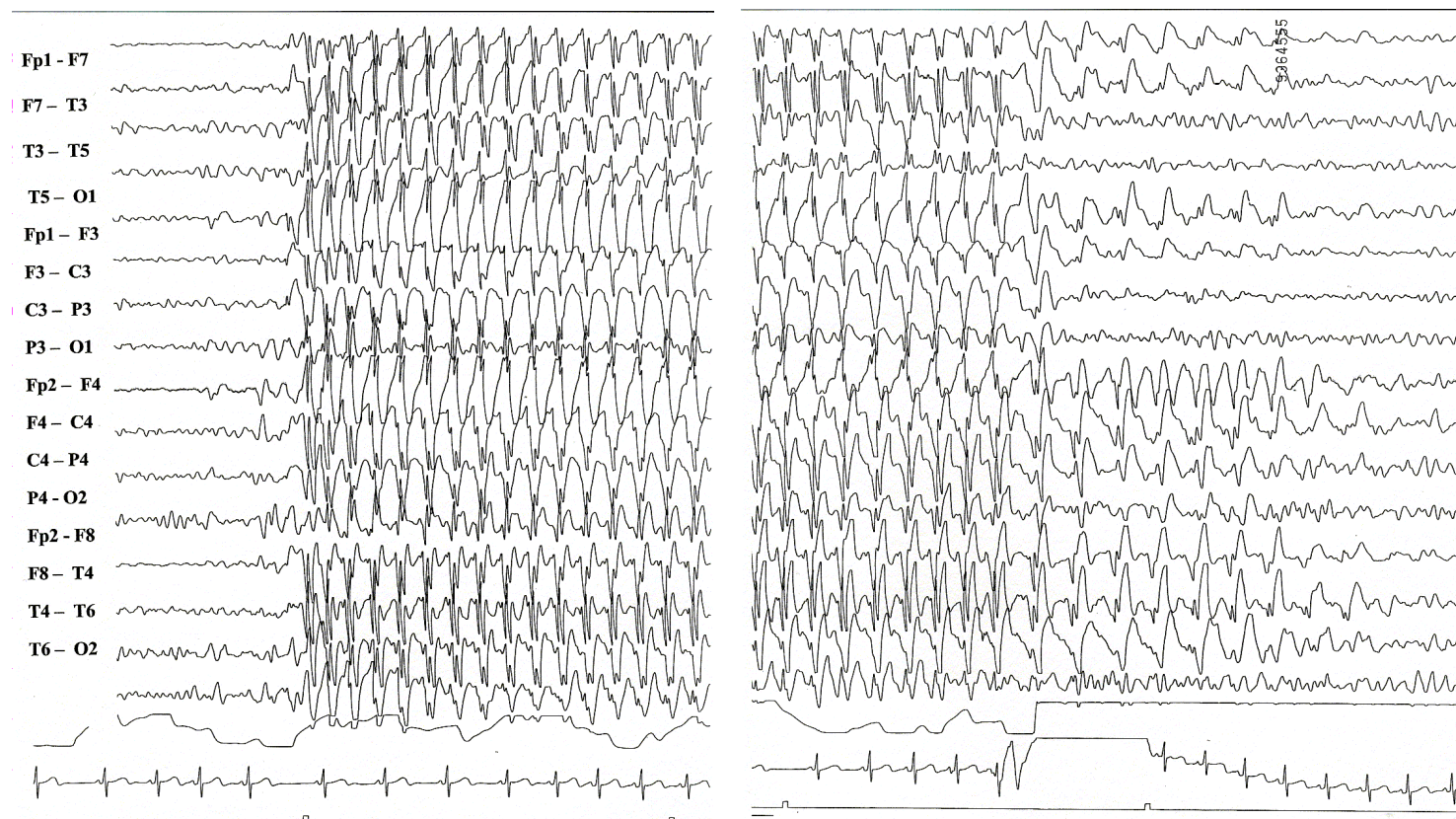


Atividade Normal

# Focal ou Generalizado?







Epilepsia Ausência Infantil

# Epilepsia com Espículas Centro Temporais

