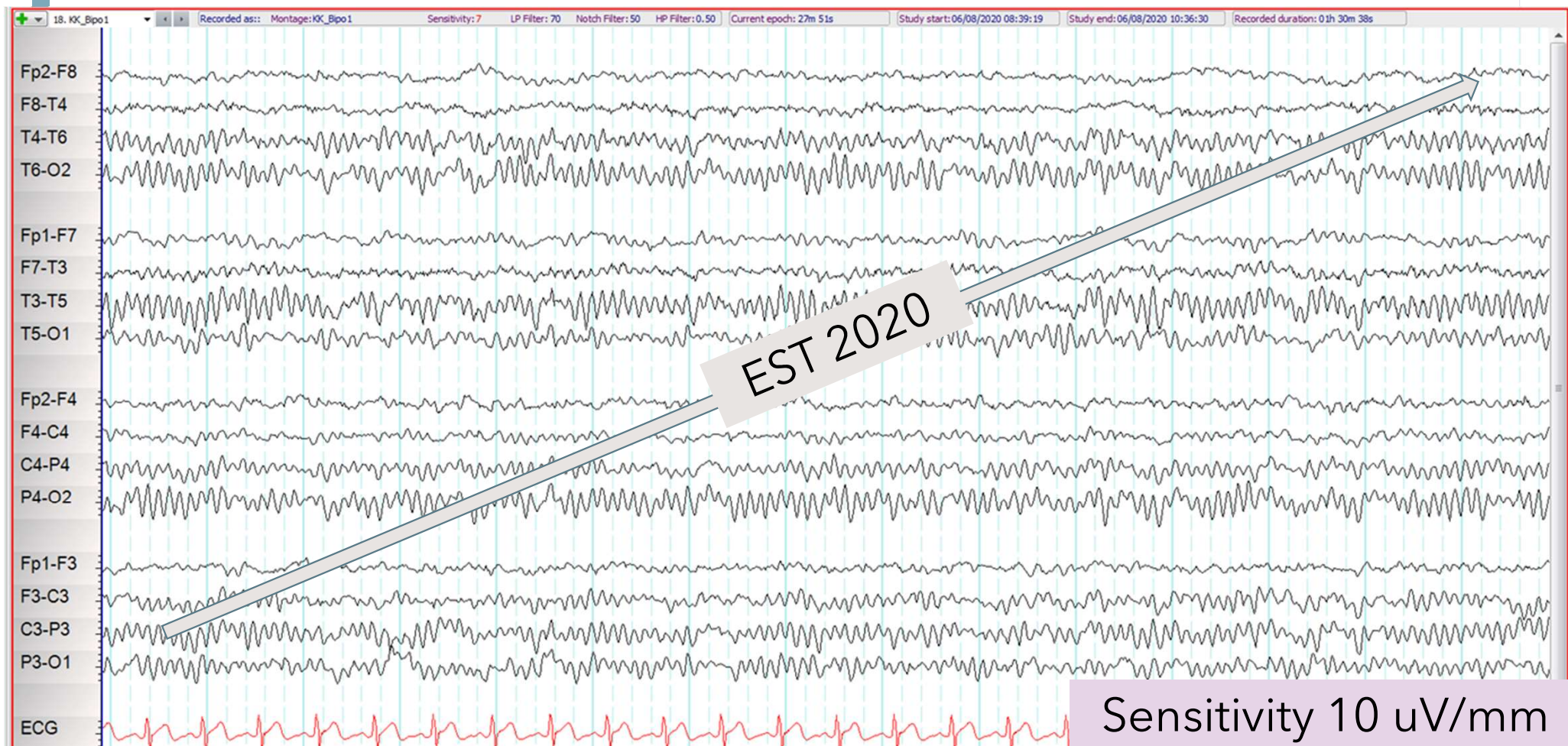


EST 2020: EEG workshop: Post test

Kamornwan Katanyuwong M.D. CMU
Thailand

15 years old

Question 1: Normal or abnormal EEG?

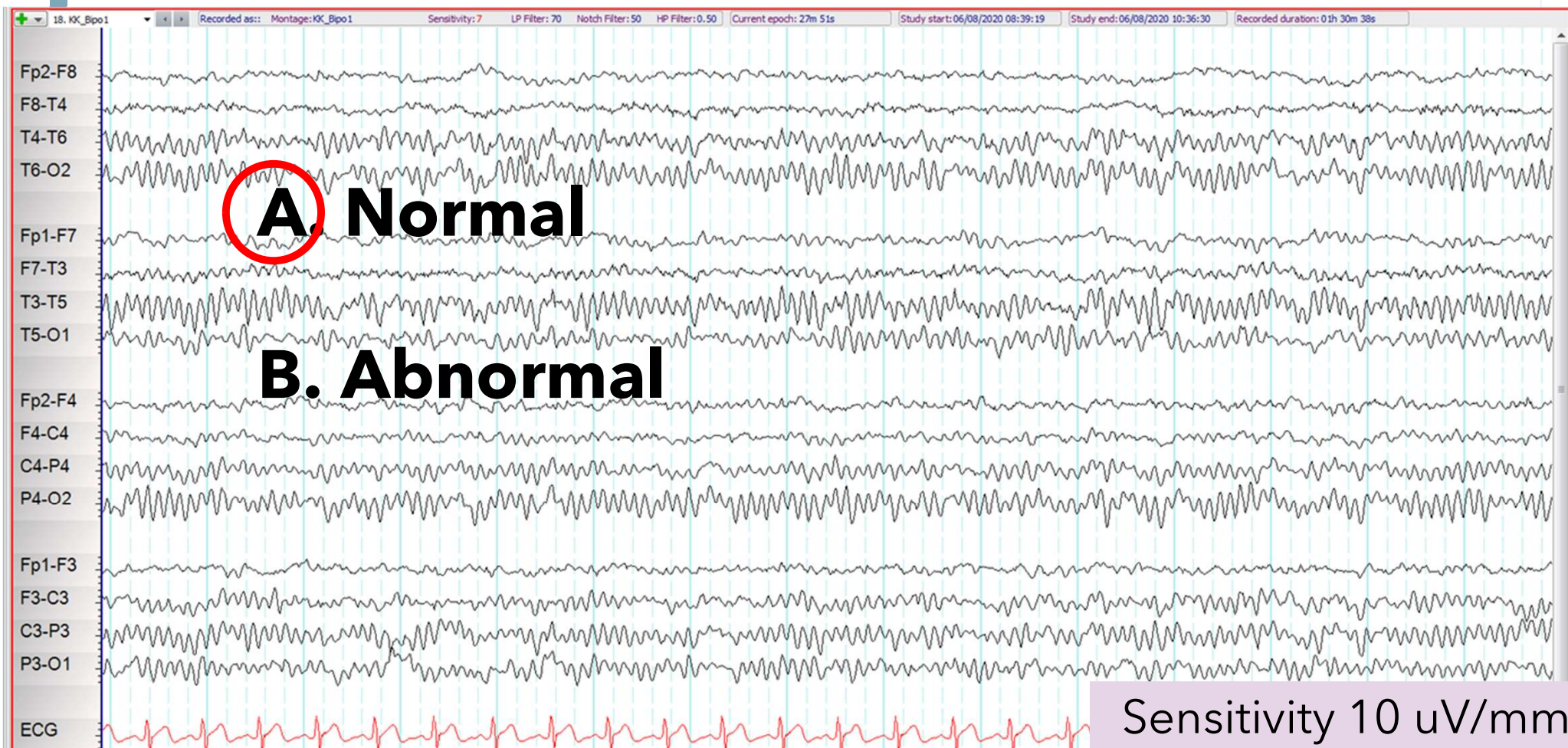


15 years old

Answer 1:

A. Normal

B. Abnormal



Question 2: At which age that PDR reaches alpha range?

A. 3 years old

B. 4 years old

C. 5 years old

D. 6 years old

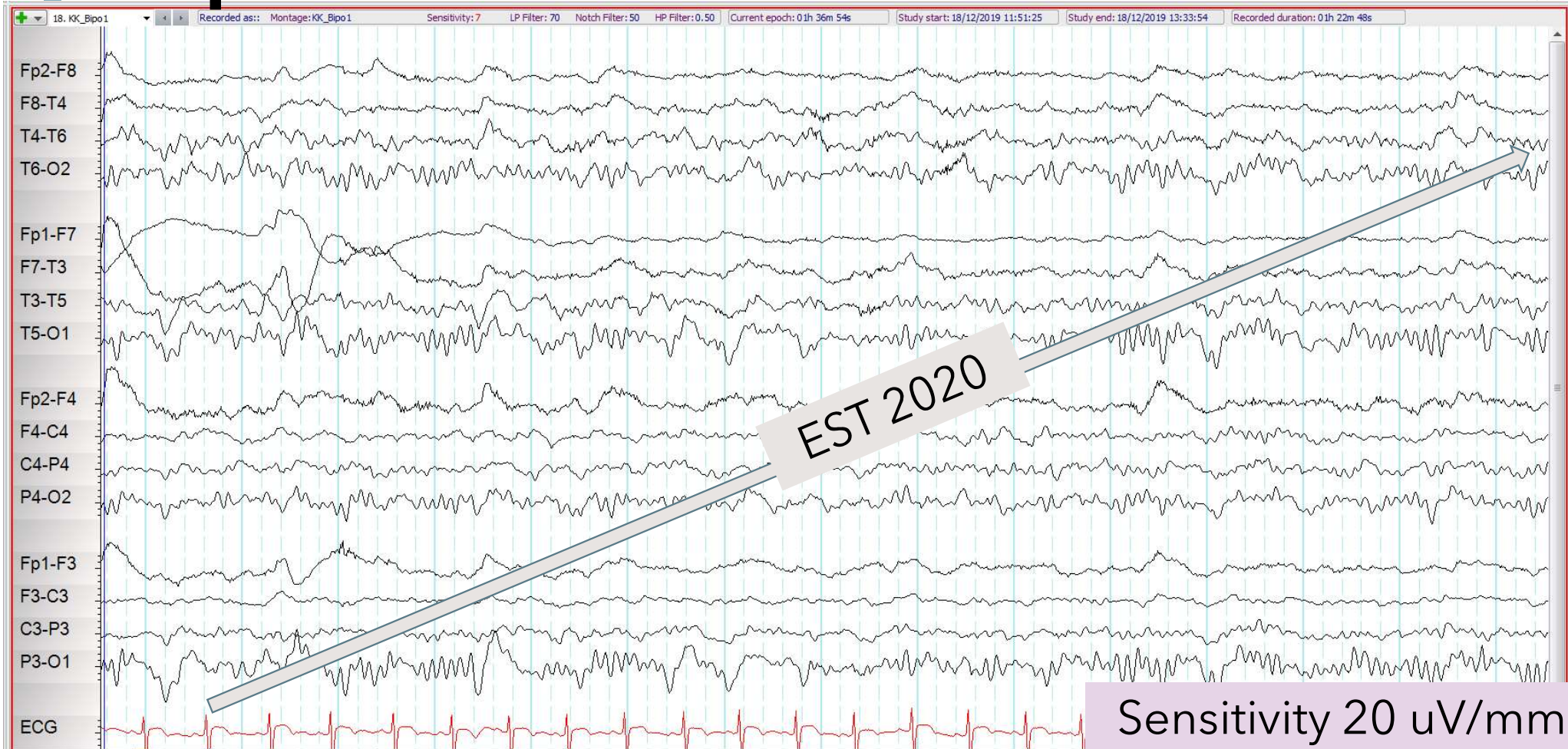
E. 7 years old

Answer 2:

- A. 3 years old**
- B. 4 years old**
- C. 5 years old**
- D. 6 years old**
- E. 7 years old**

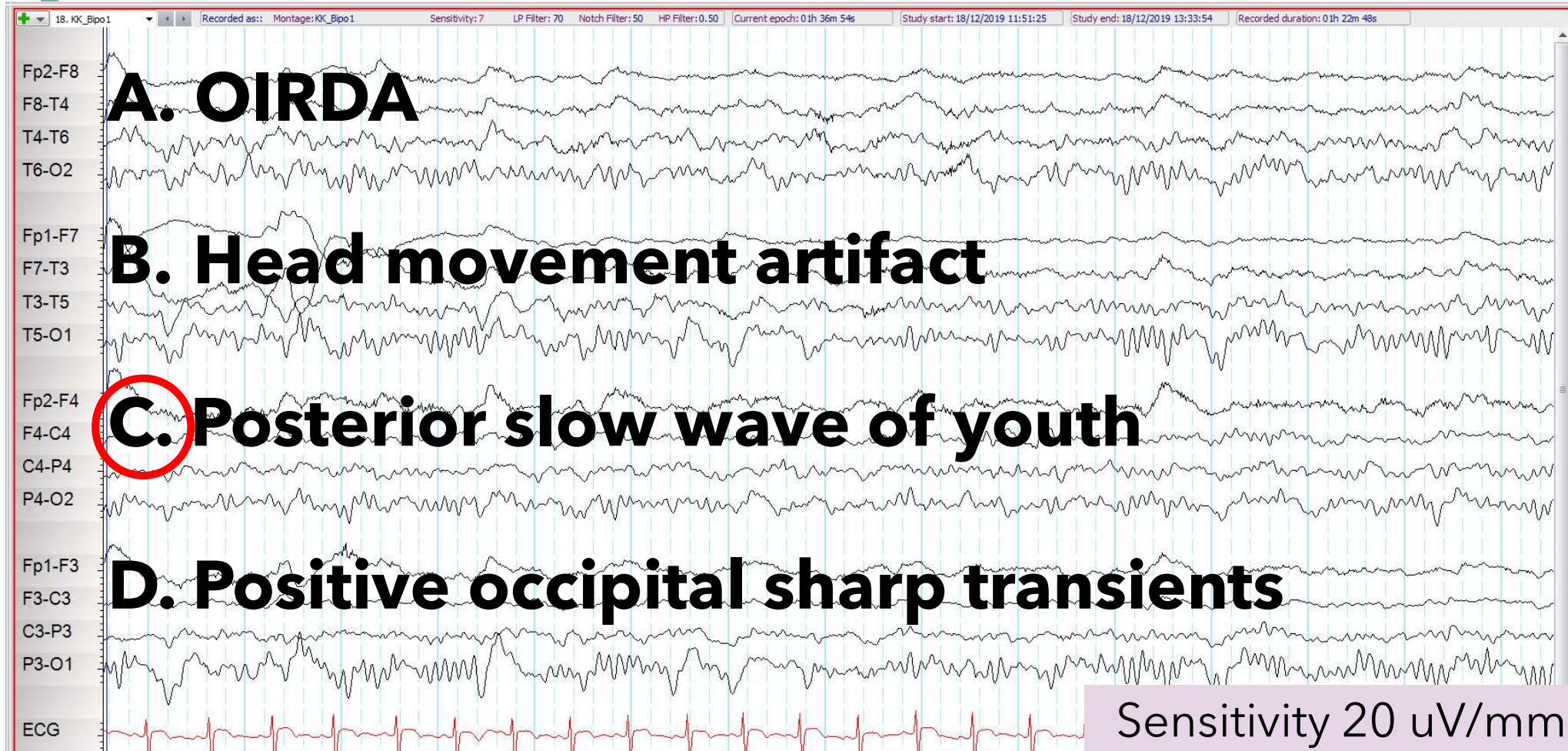
Question 3: What is the finding in the occipital area?

8 years old



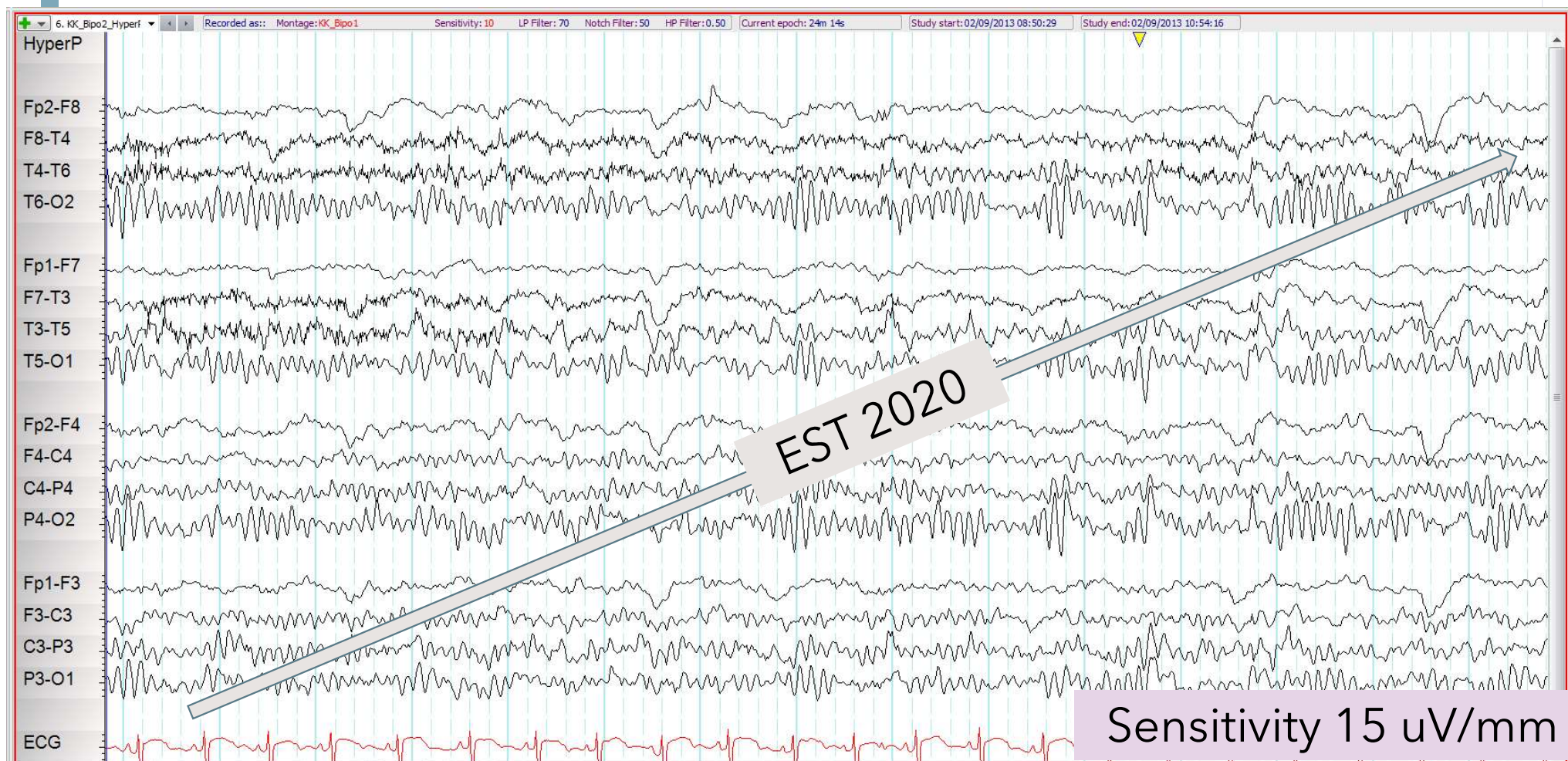
8.6 years old

Answer 3:



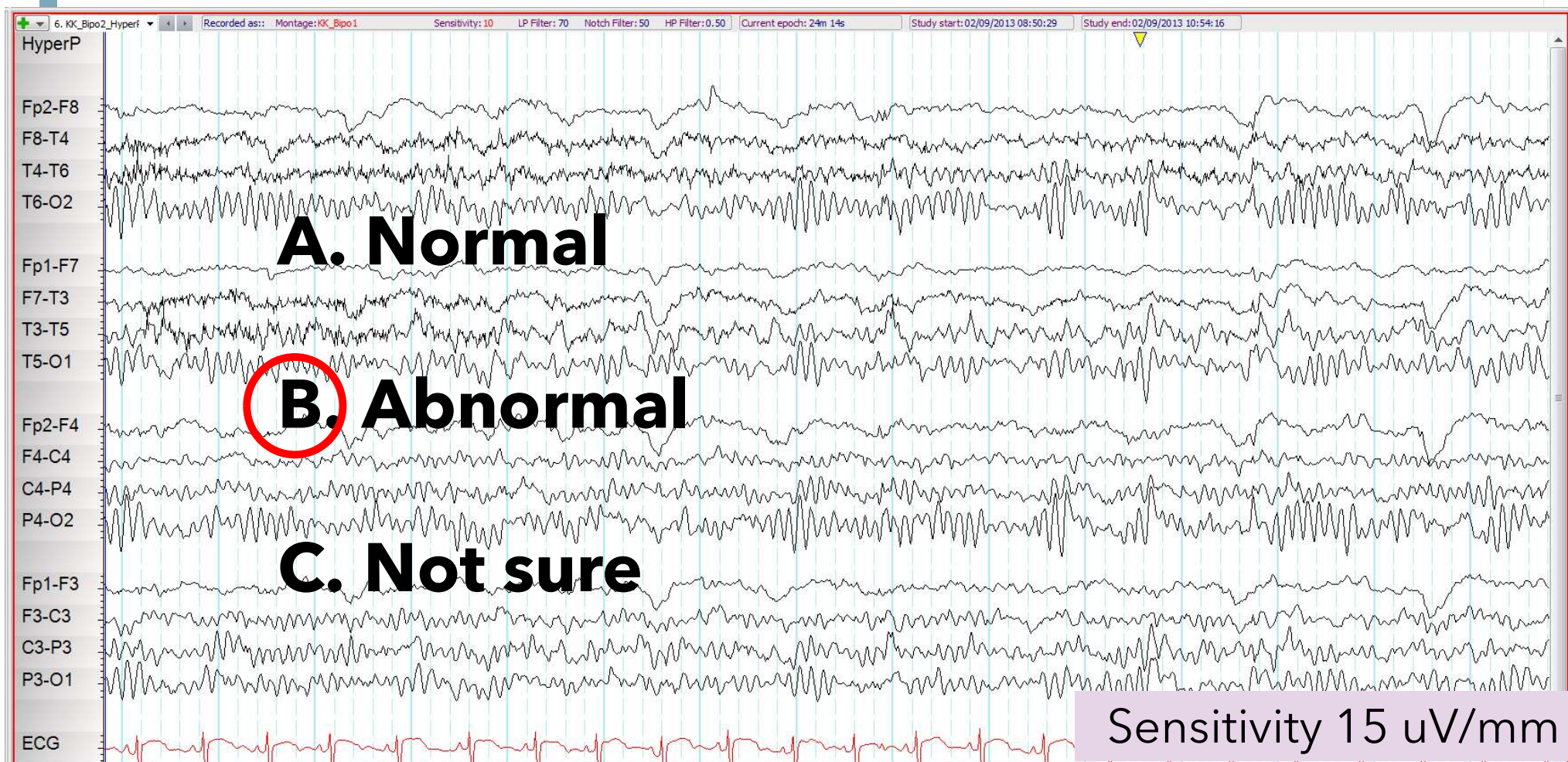
12 years old

Question 4: Normal or abnormal EEG?



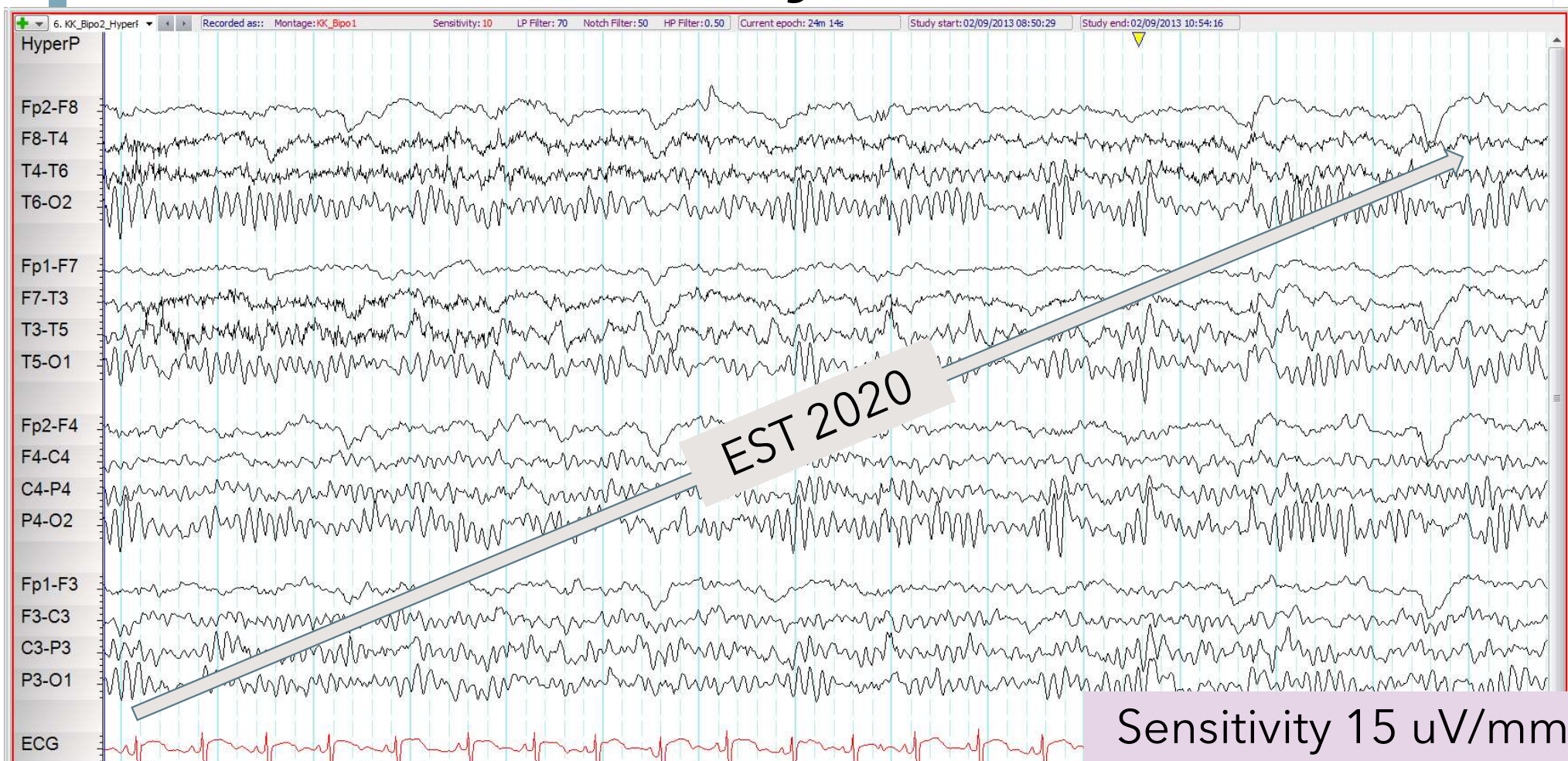
12 years old

Answer 4:



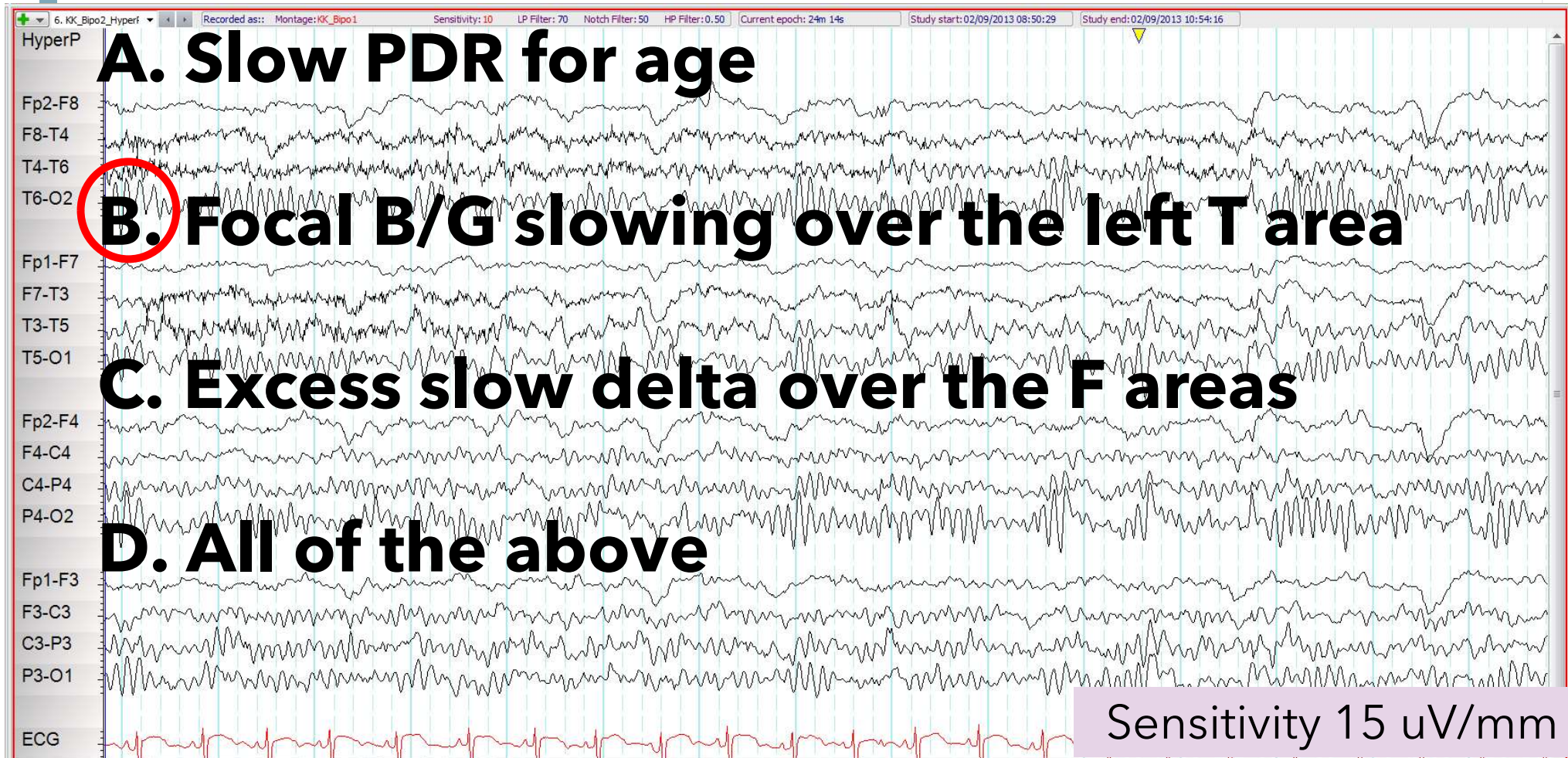
12 years old

Question 5: What do you see in this EEG?



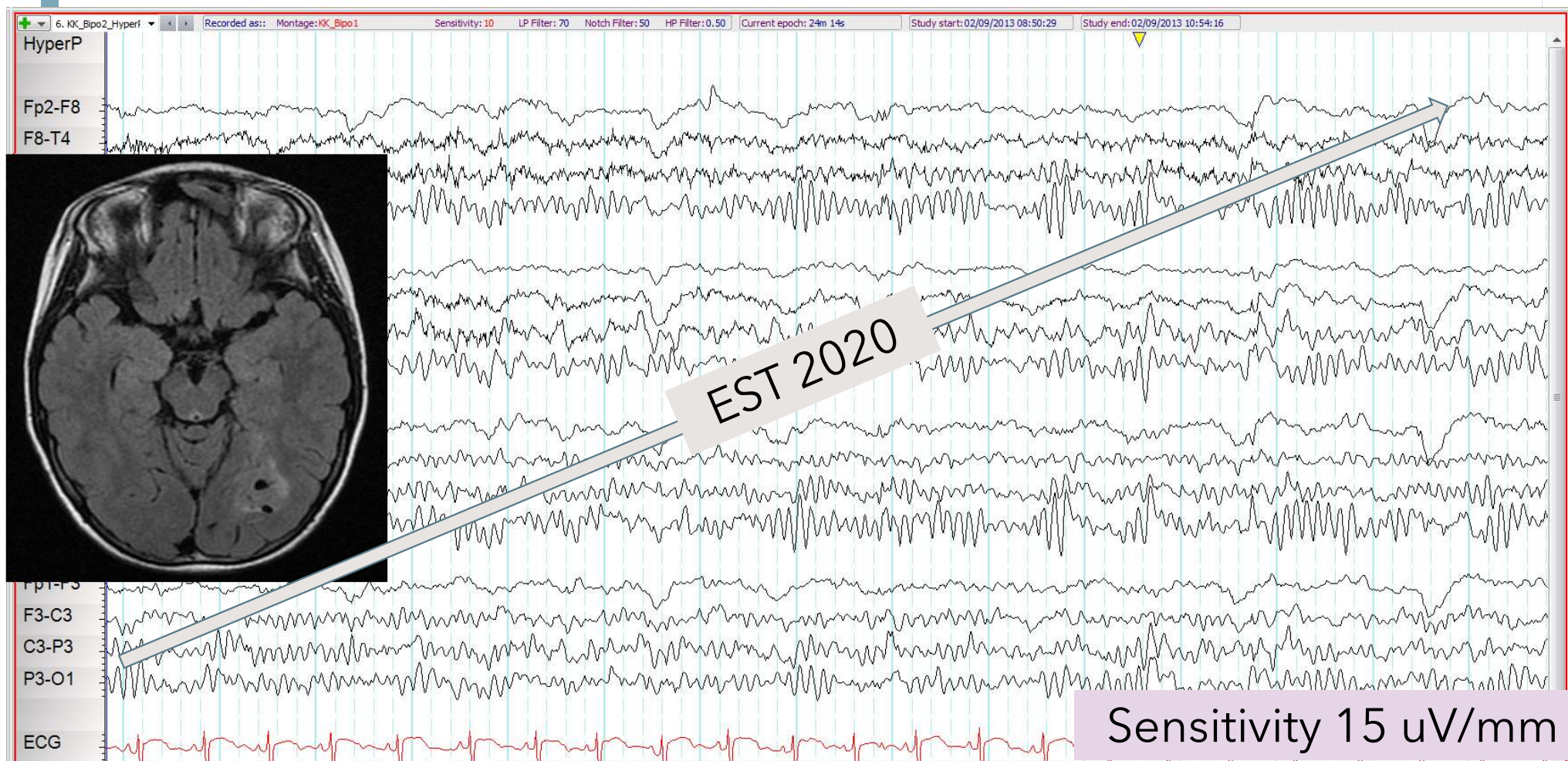
12 years old

Answer 5:



12 years old

Answer 5: Additional data



Question 6 : Which of the following is correct?

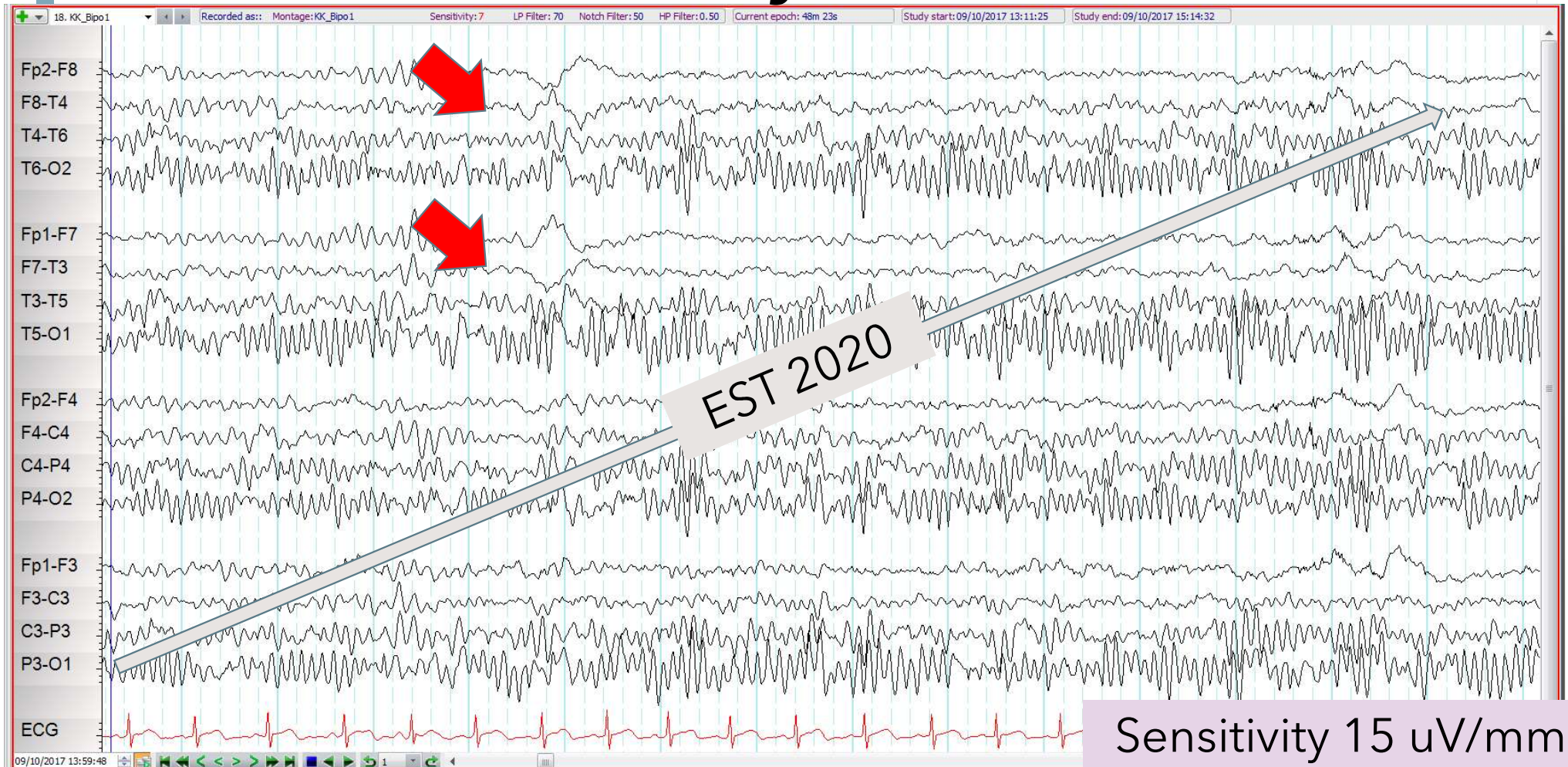
- A. Sleep spindles first appear at age 6 months
- B. K-complexes are seen around 12 months old
- C. High amplitude delta activities are seen in sleep stage 2
- D. Vertex sharp waves should be observed at age 6 months
- E. Asynchronous sleep spindles are accepted at age 3 years

Answer 6 :

- A. Sleep spindles first appear at age 6 months
- B. K-complexes are seen around 12 months old
- C. High amplitude delta activities are seen in sleep stage 2
- ☒ D. Vertex sharp waves should be observed at age 6 months
- E. Asynchronous sleep spindles are accepted at age 3 years

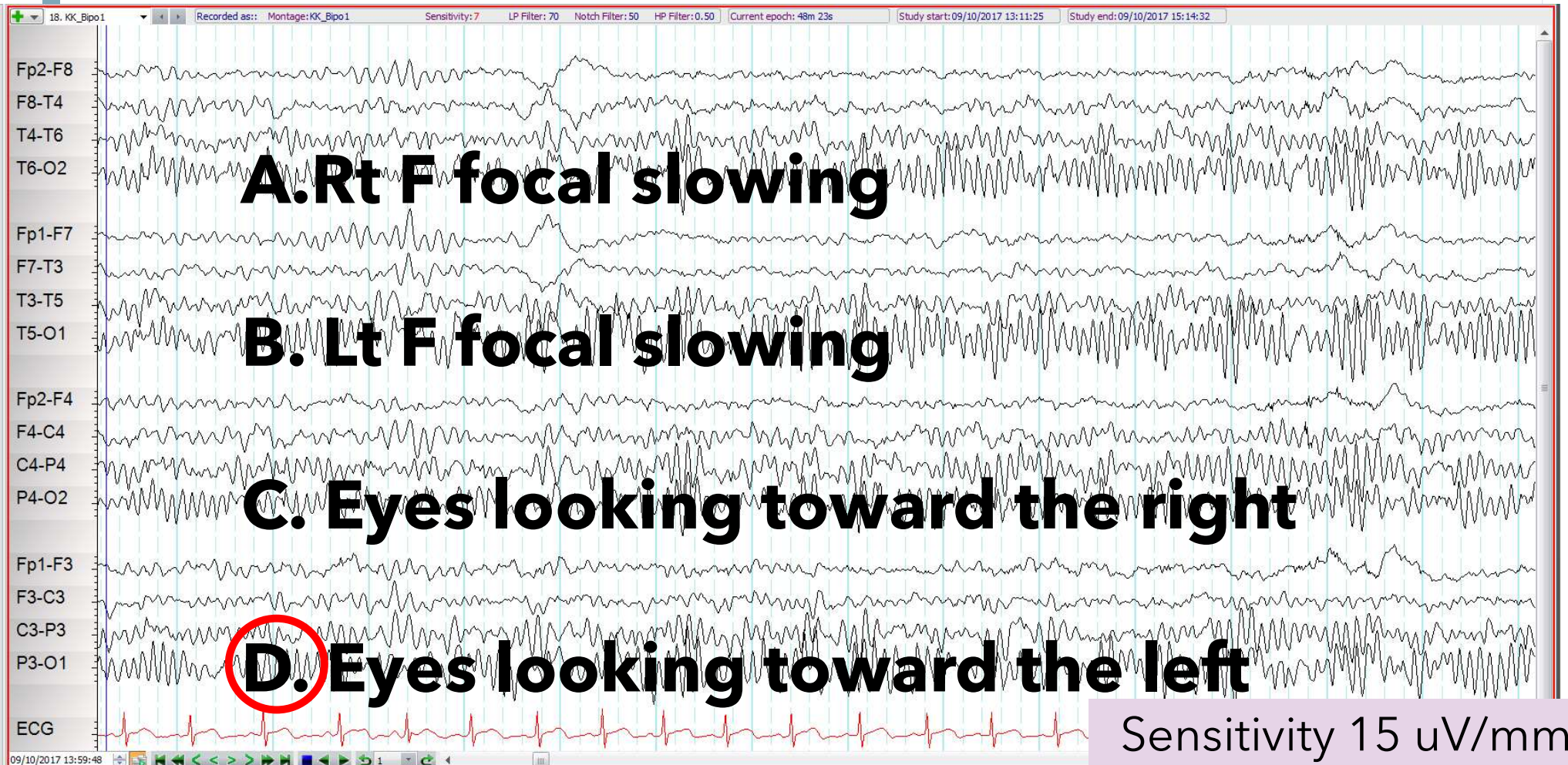
10 years old

Question 7: What do you see in this EEG?



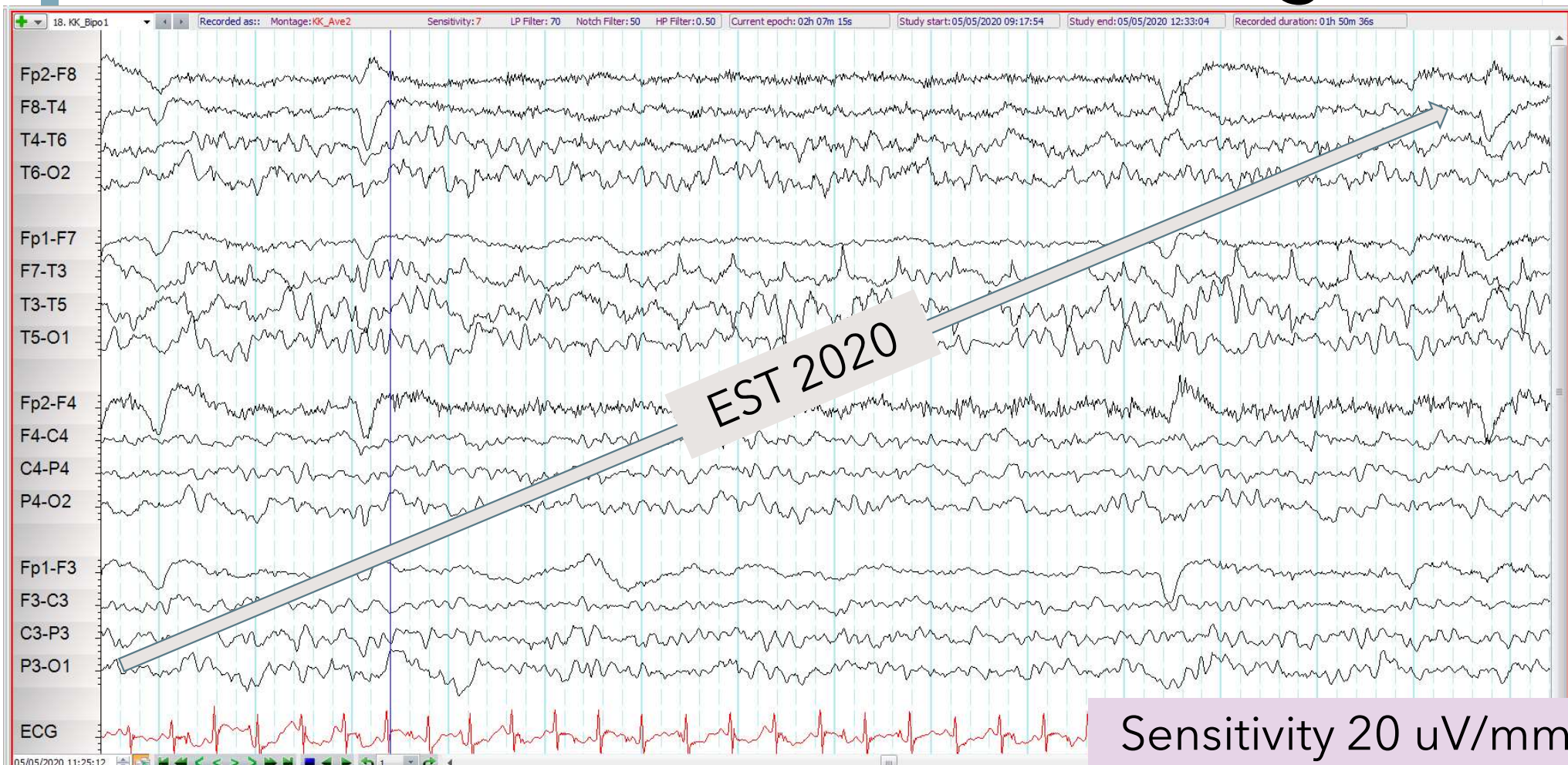
10 years old

Answer 7:



1 8/12 years old

Question 8: Describe the EEG finding?



1 8/12 years old

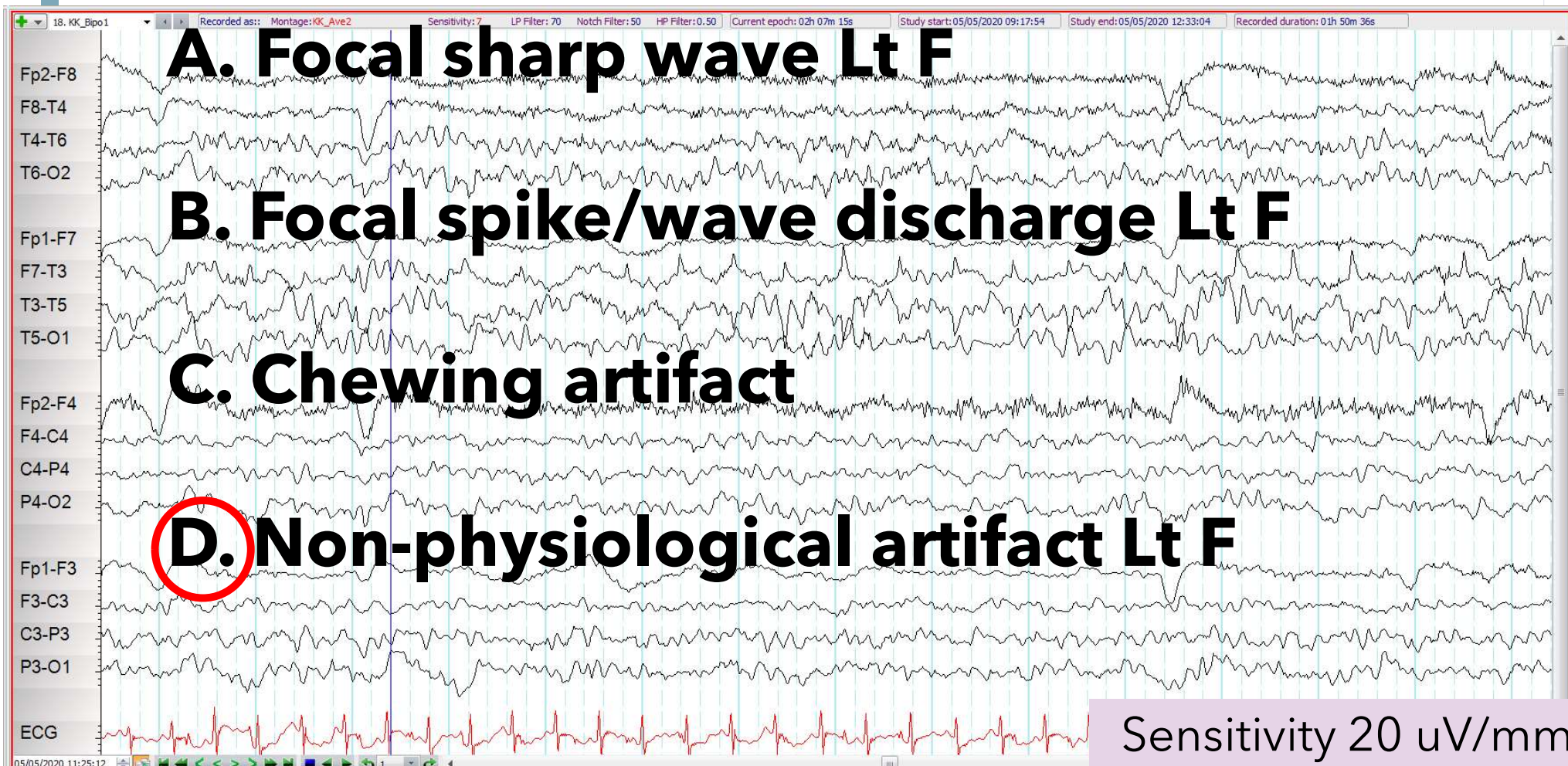
Answer 8:

A. Focal sharp wave Lt F

B. Focal spike/wave discharge Lt F

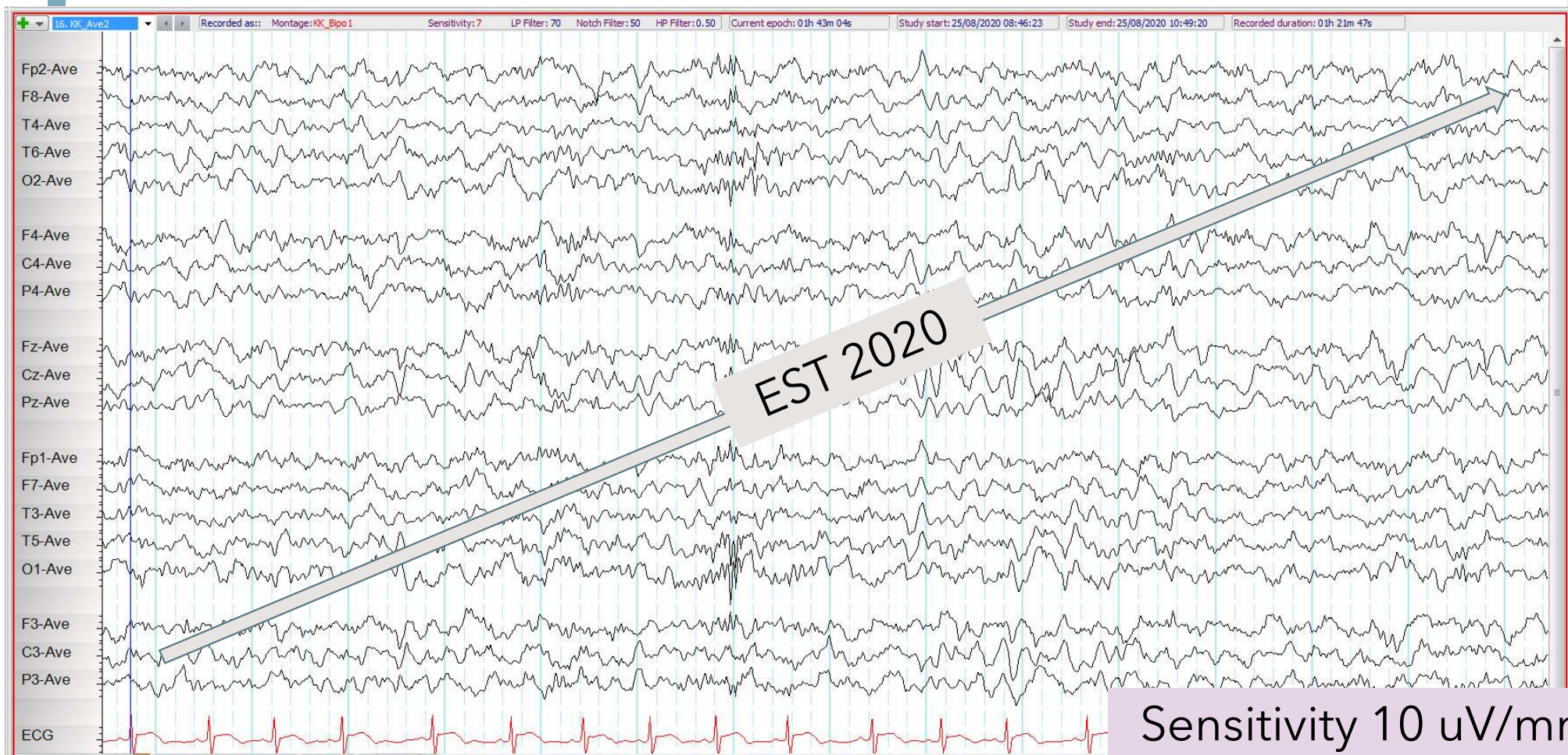
C. Chewing artifact

D. Non-physiological artifact Lt F



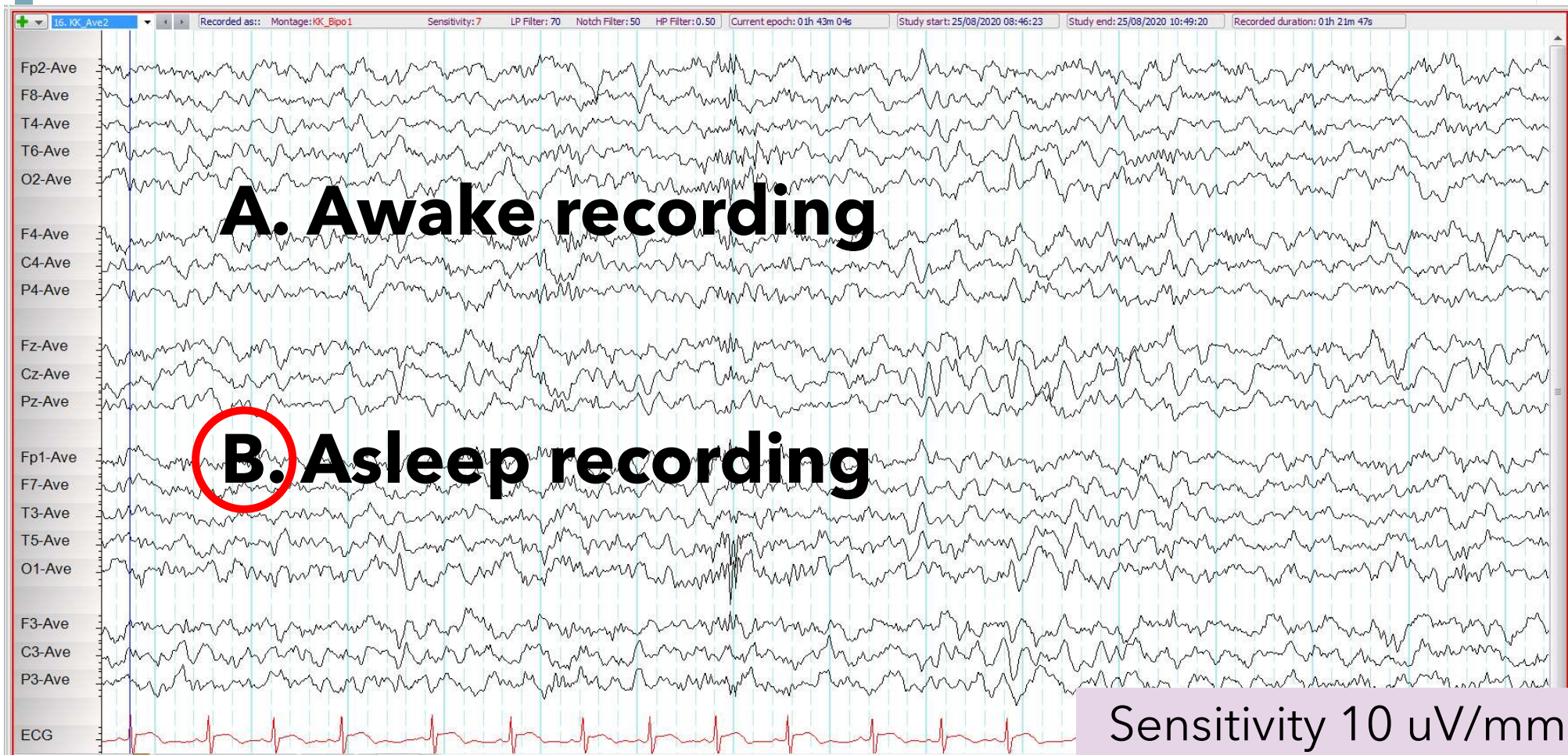
12 years old

Question 9: Awake or asleep recording?



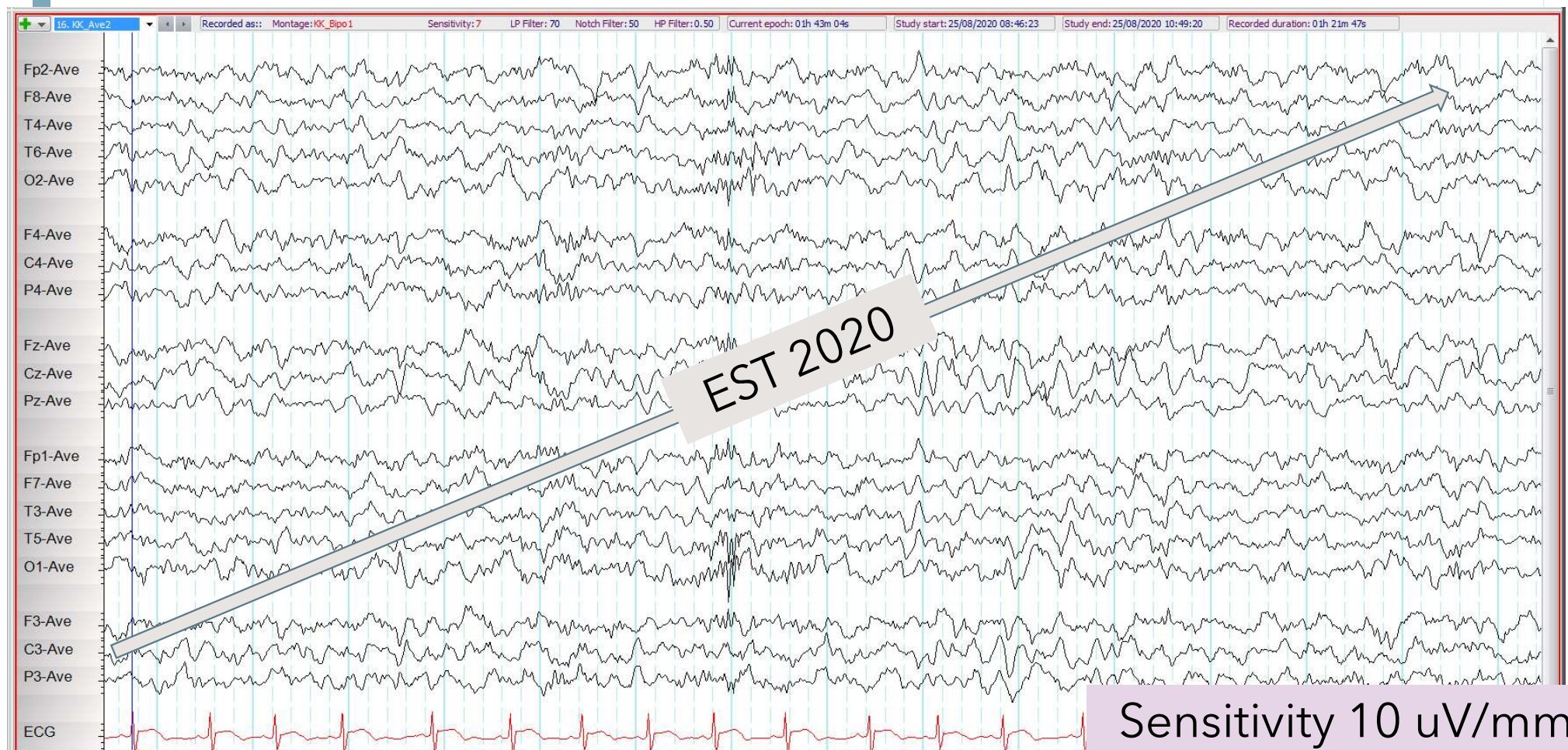
12 years old

Answer 9:



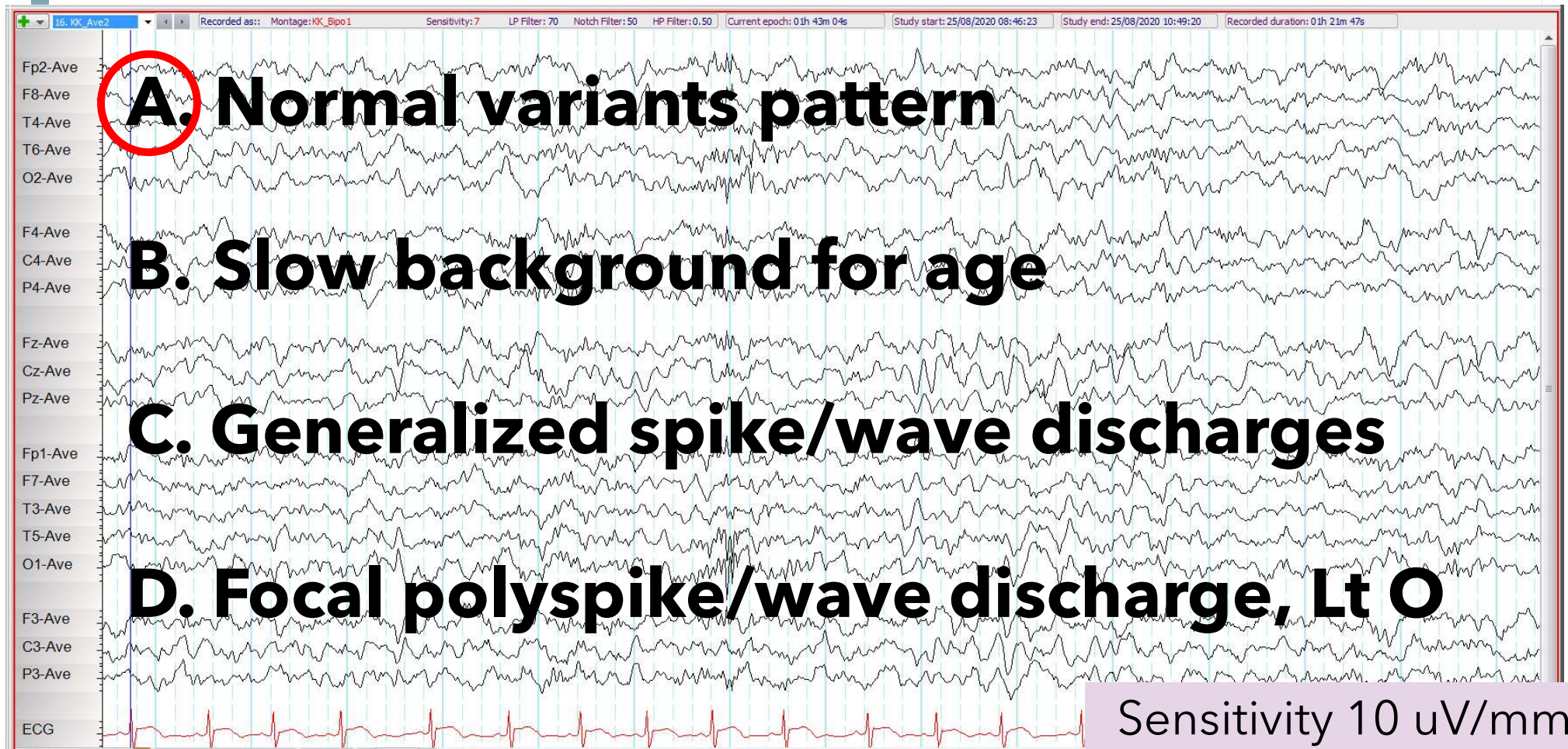
12 years old

Question 10: What do you see in this EEG?



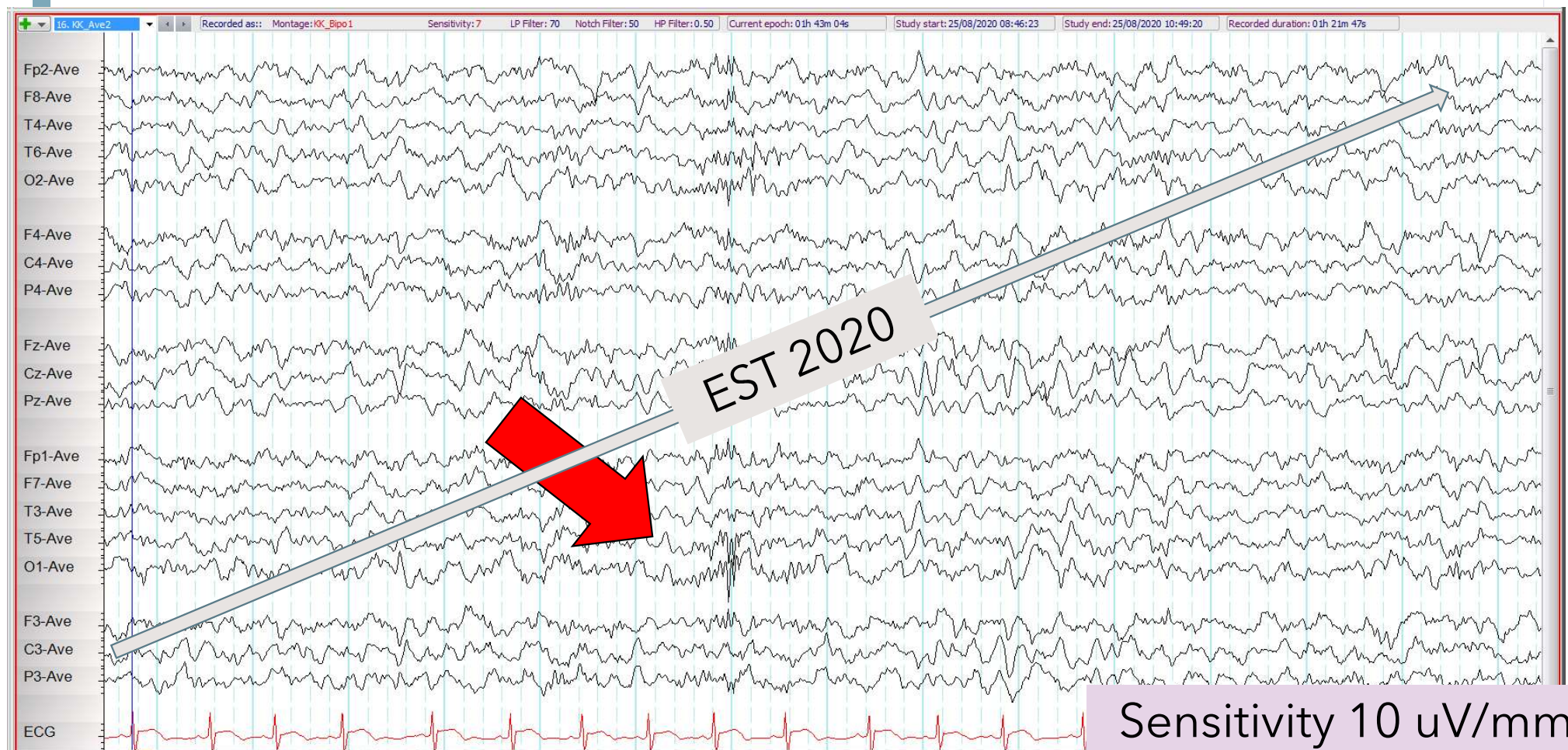
12 years old

Answer 10:



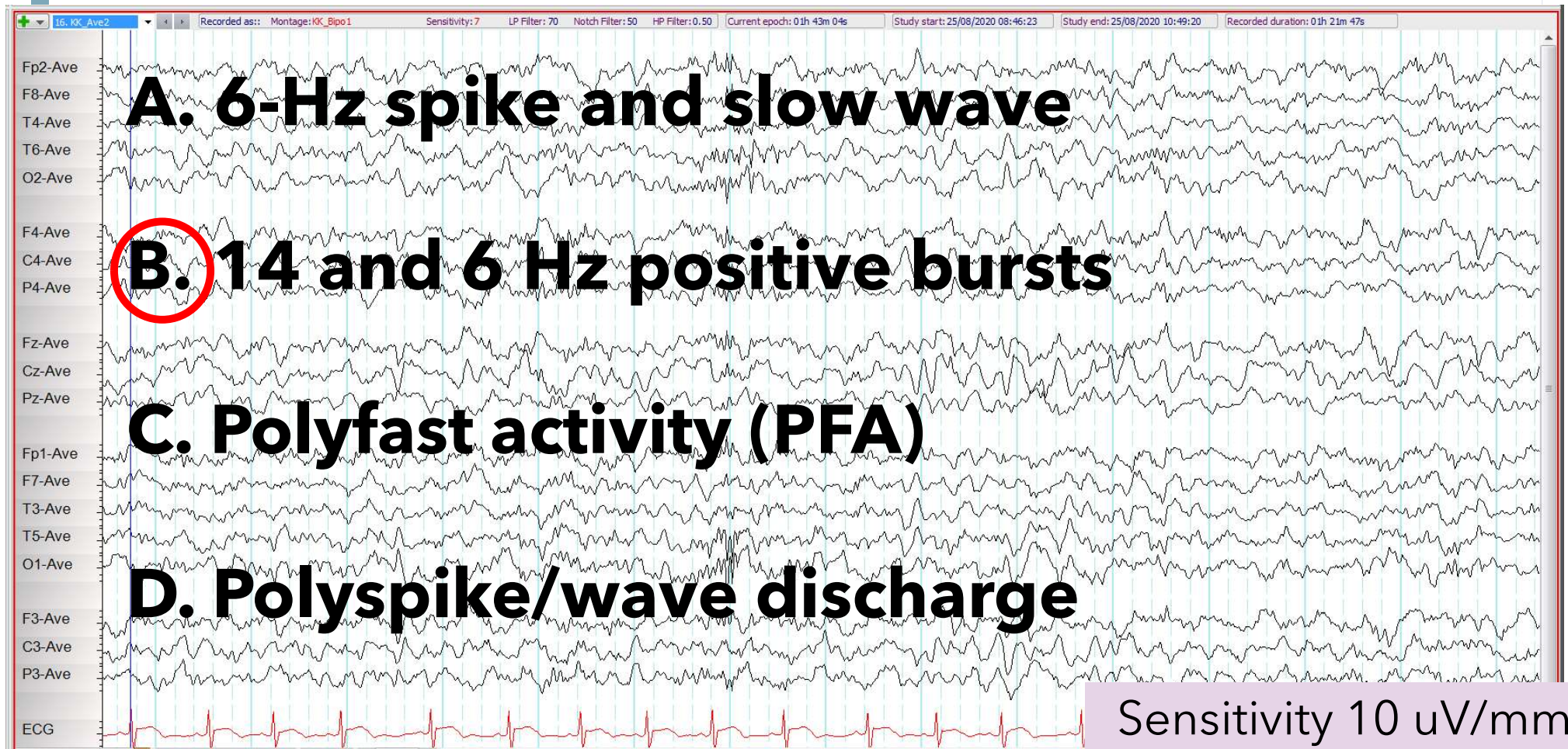
12 years old

Question 11: Describe the red arrow sign?



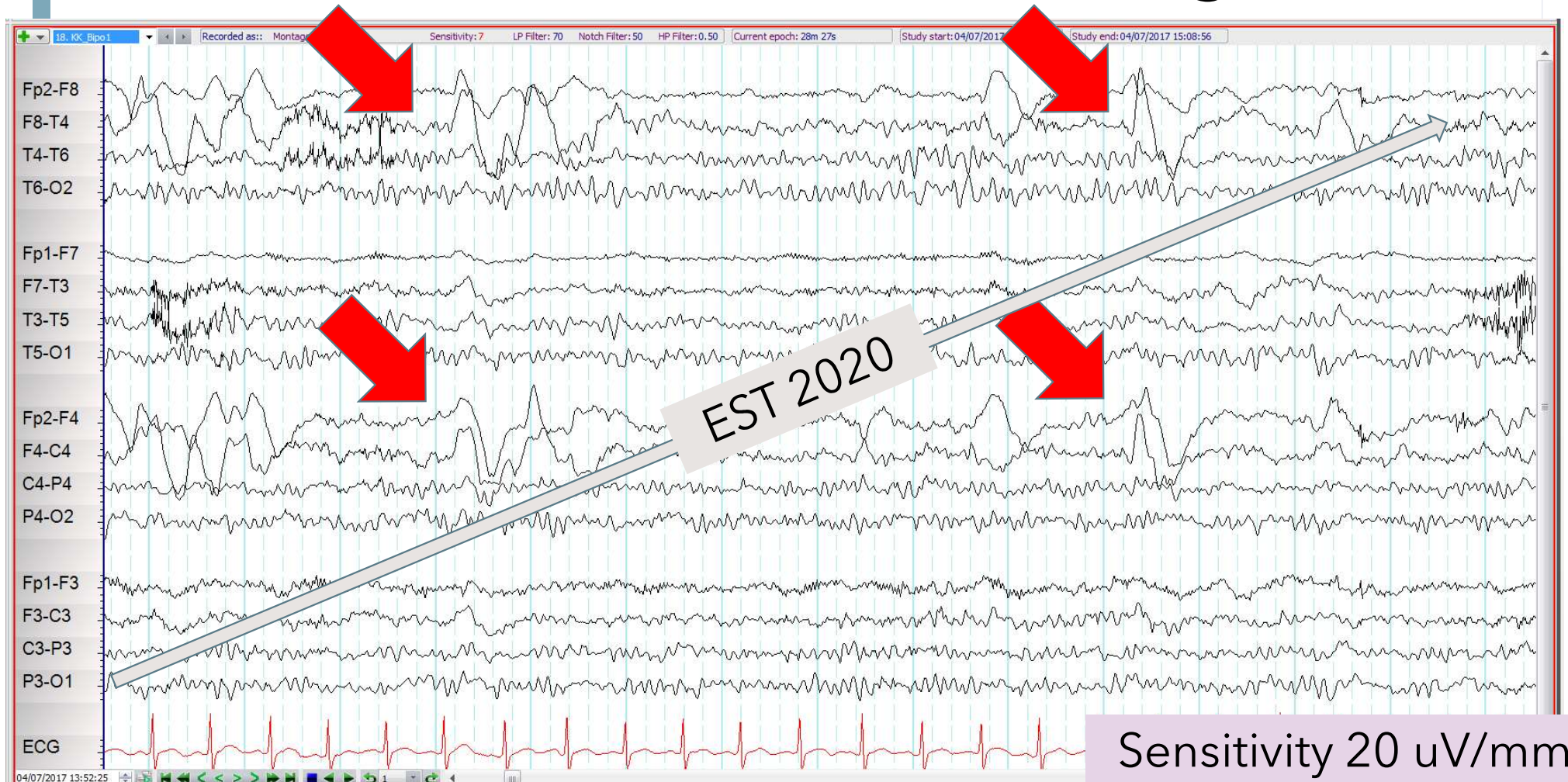
12 years old

Answer 11:



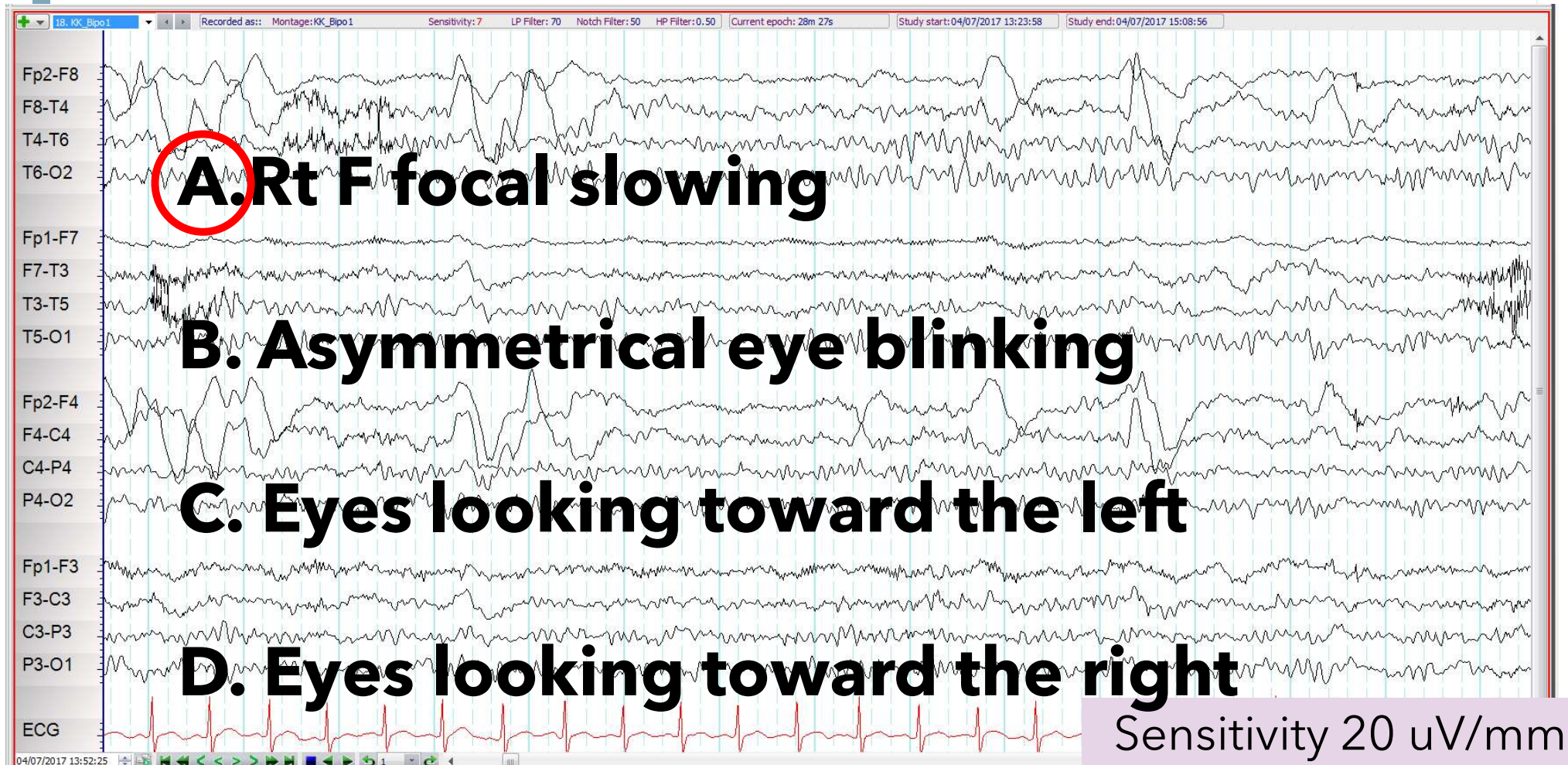
11 years old

Question 12: What is the arrow sign?



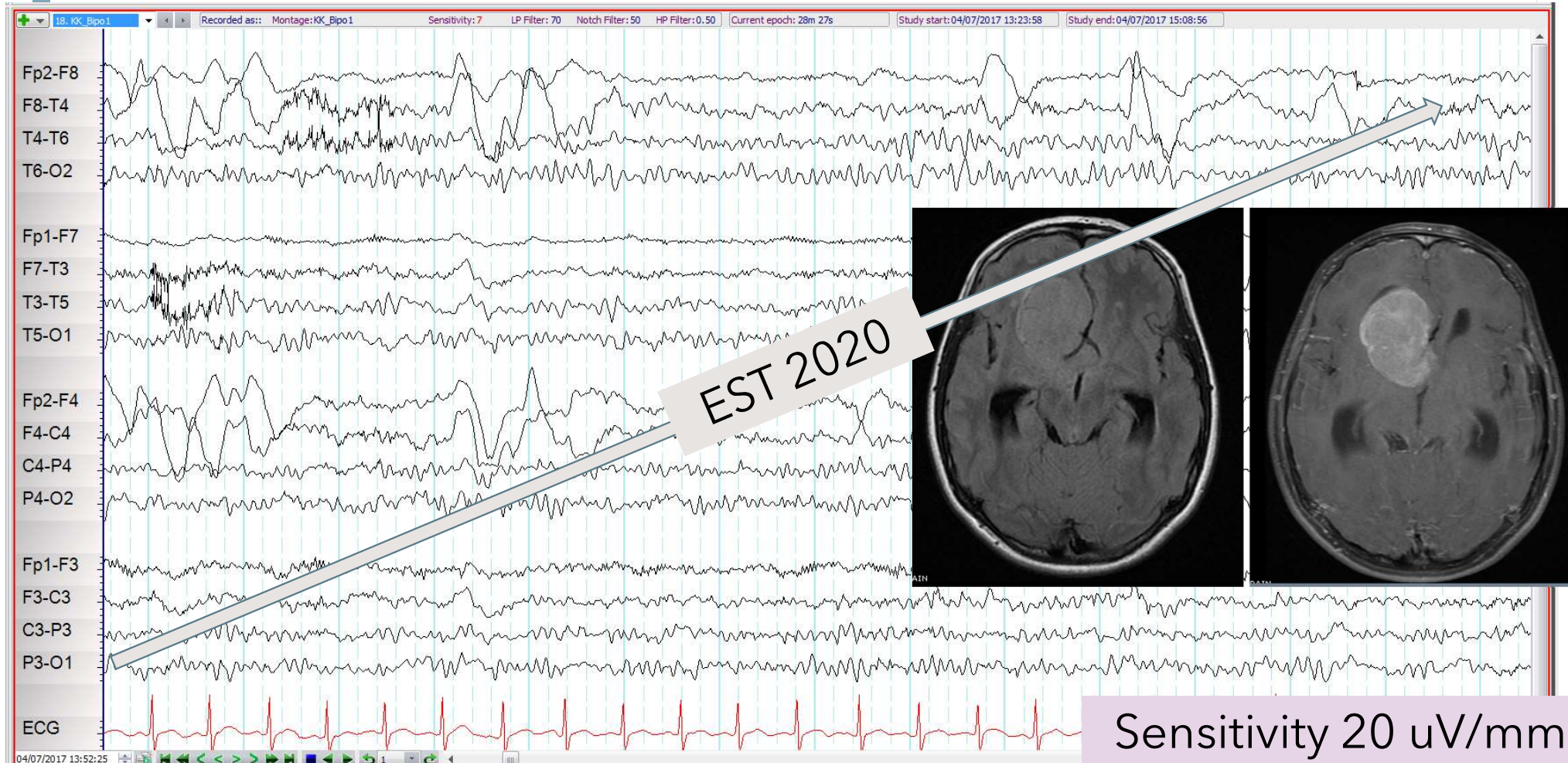
11 years old

Answer 12:

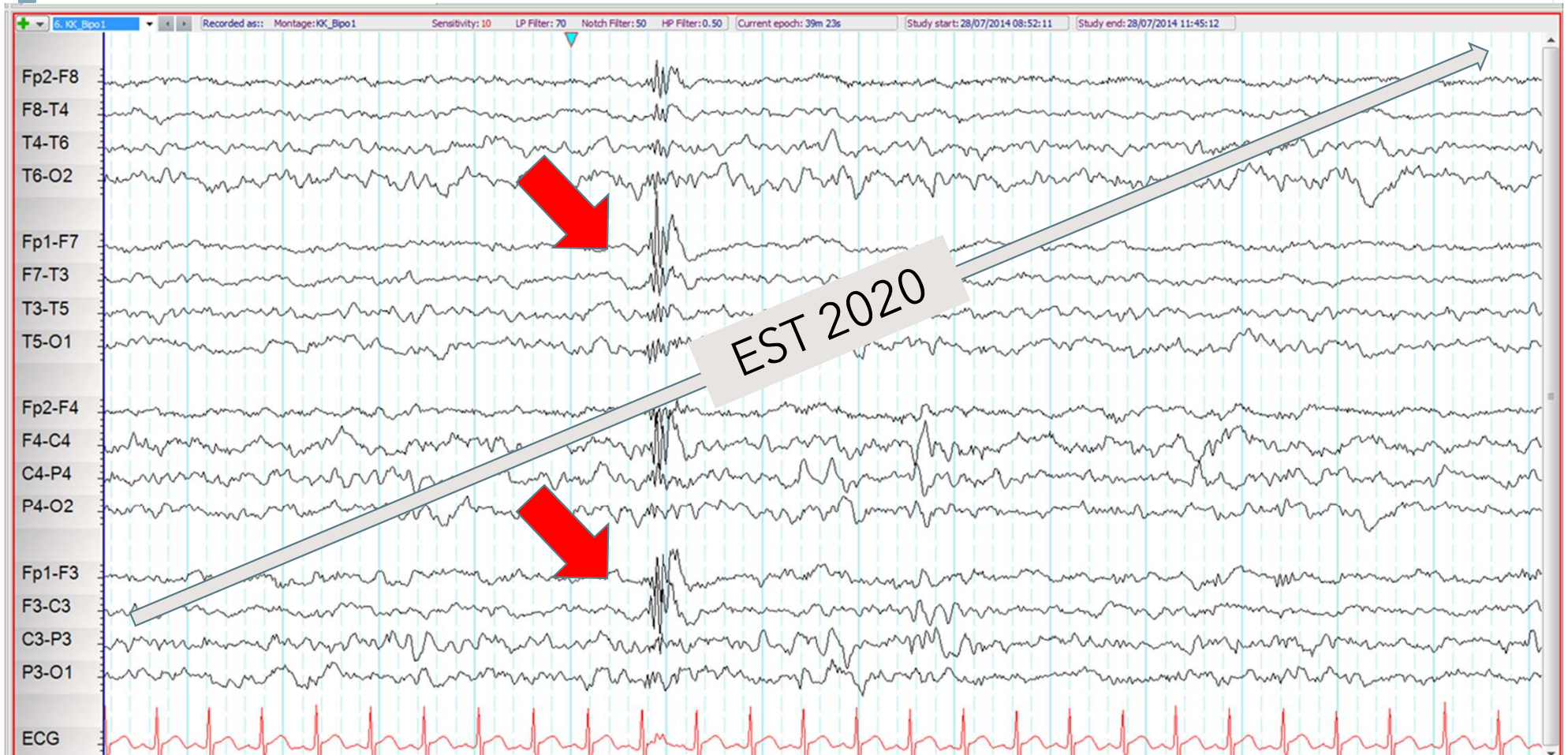


11 years old

Question 12: Additional data



Question 13: How to describe this abnormal wave form ?



Answer 13:

A. Spike wave

B. Polyspike wave

C. Polyfast activity

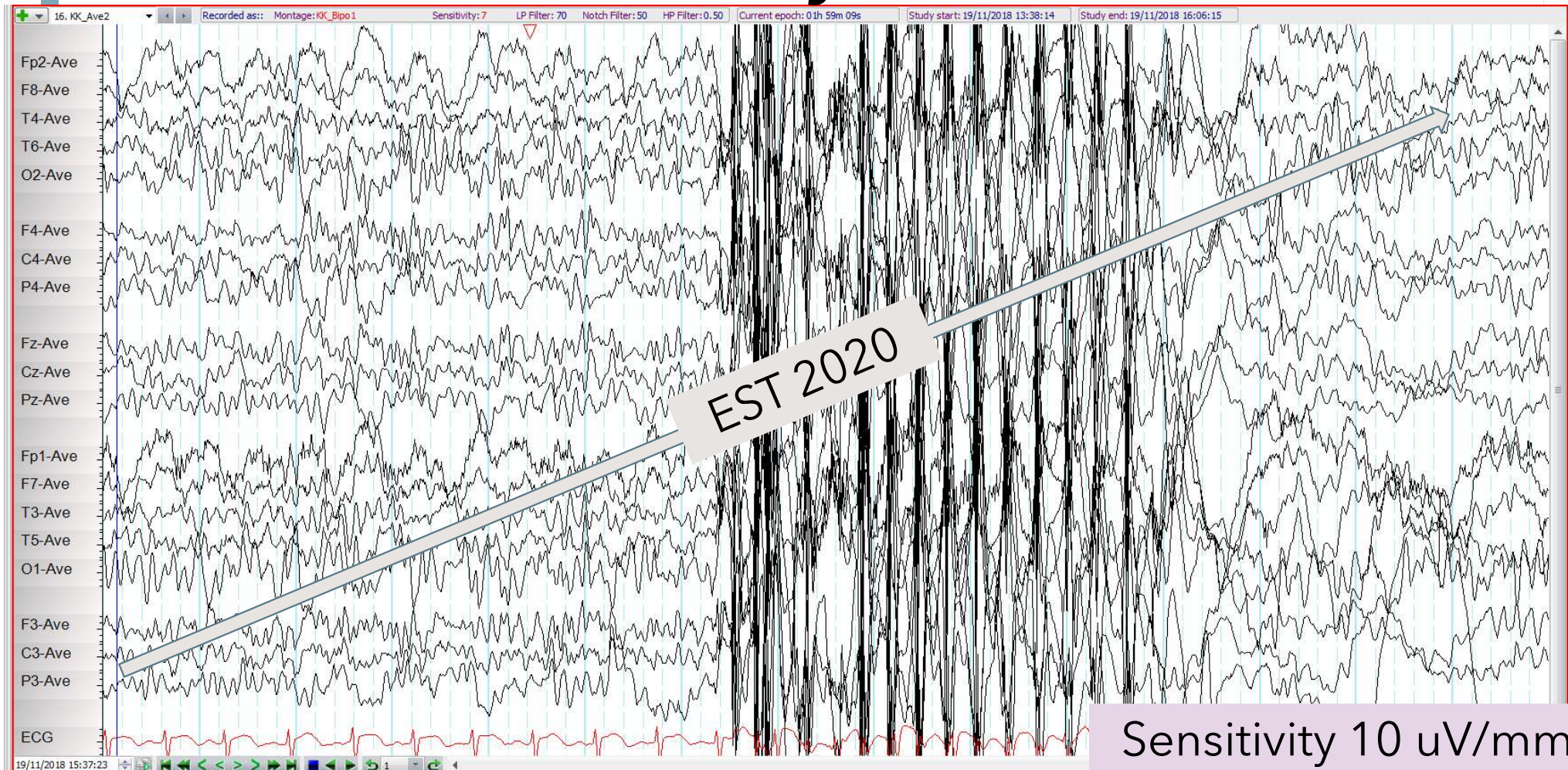
D. Spike and slow wave

E. Polyspike and slow wave



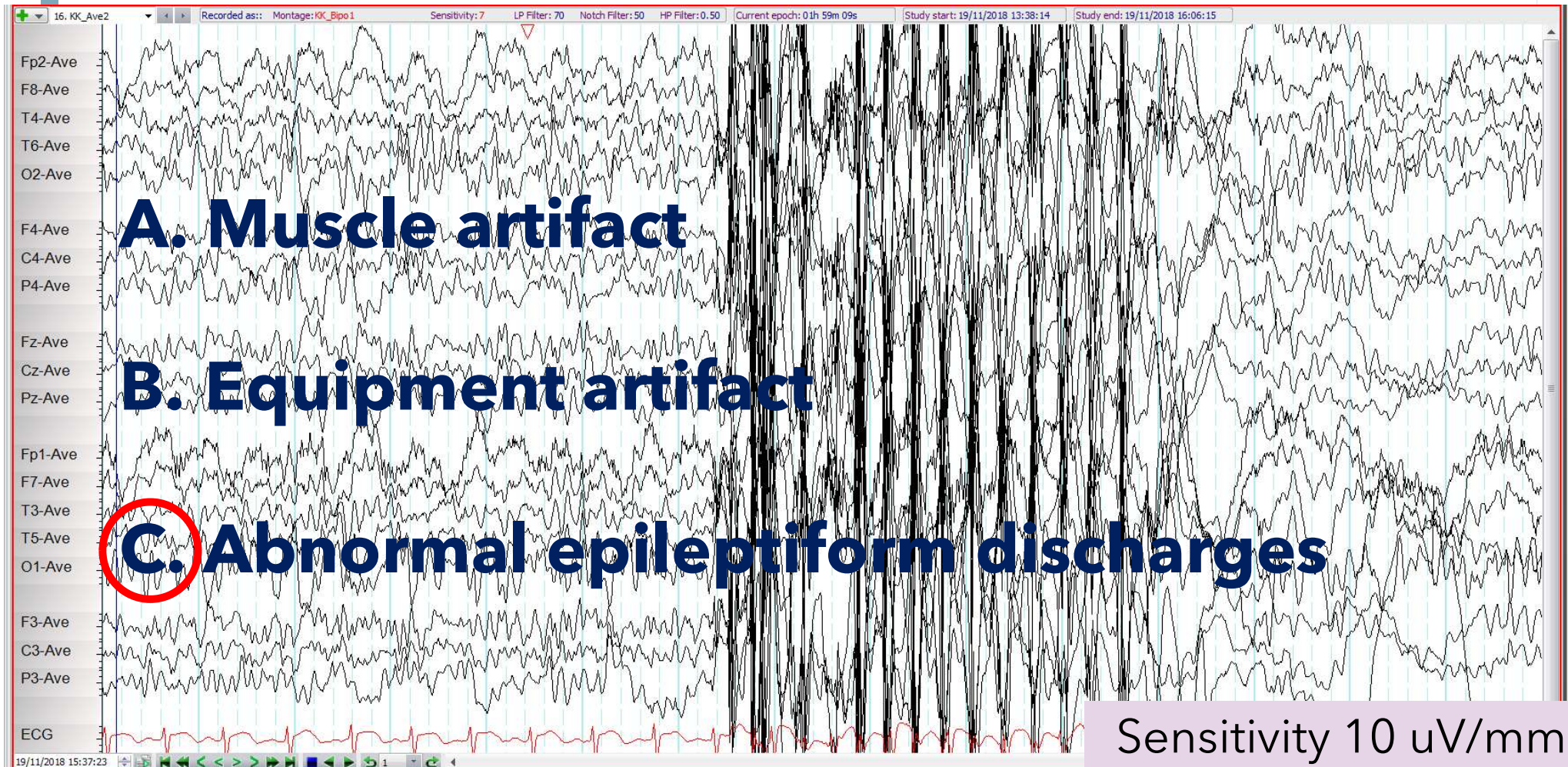
13 years old

Question 14: What do you see in this EEG?



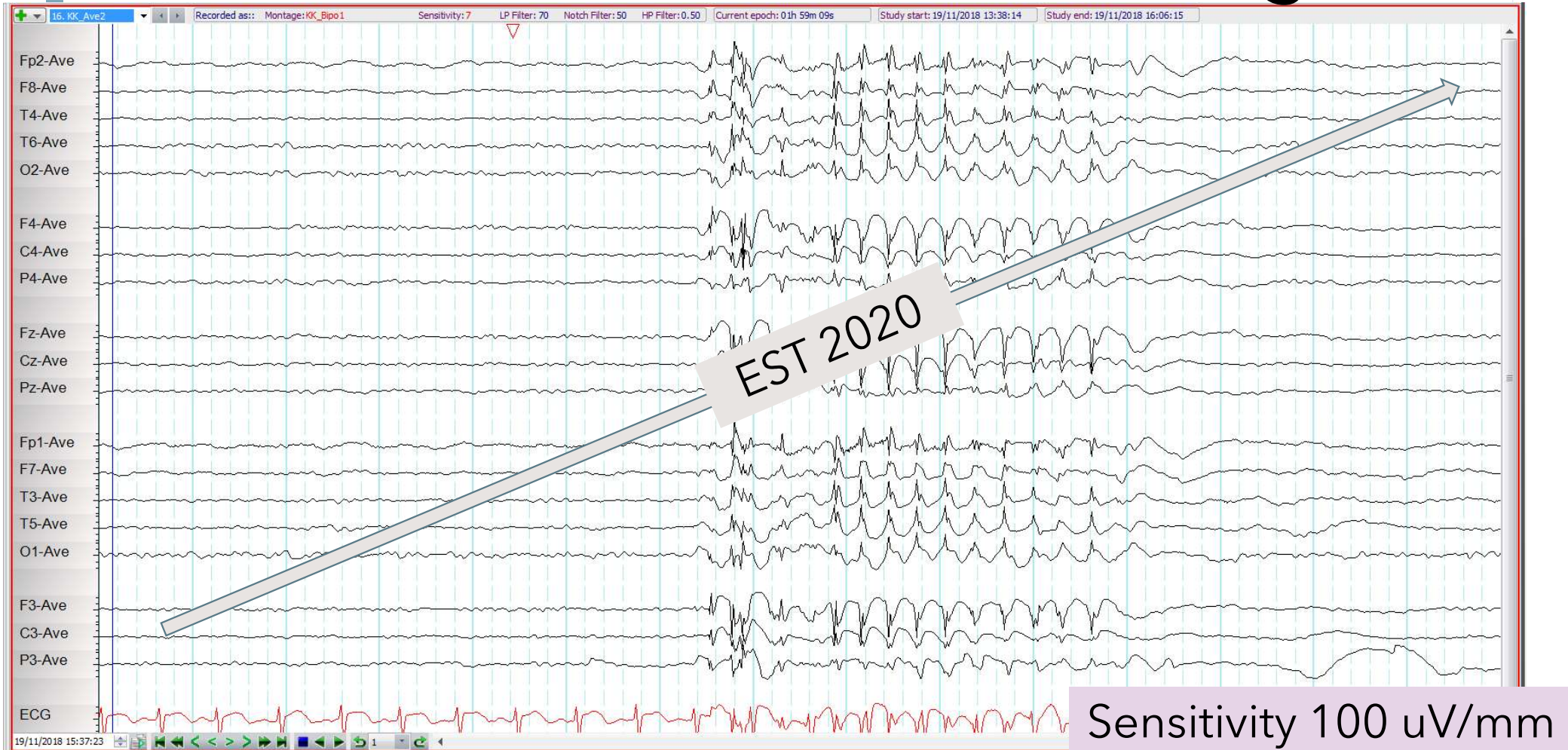
13 years old

Answer 14:



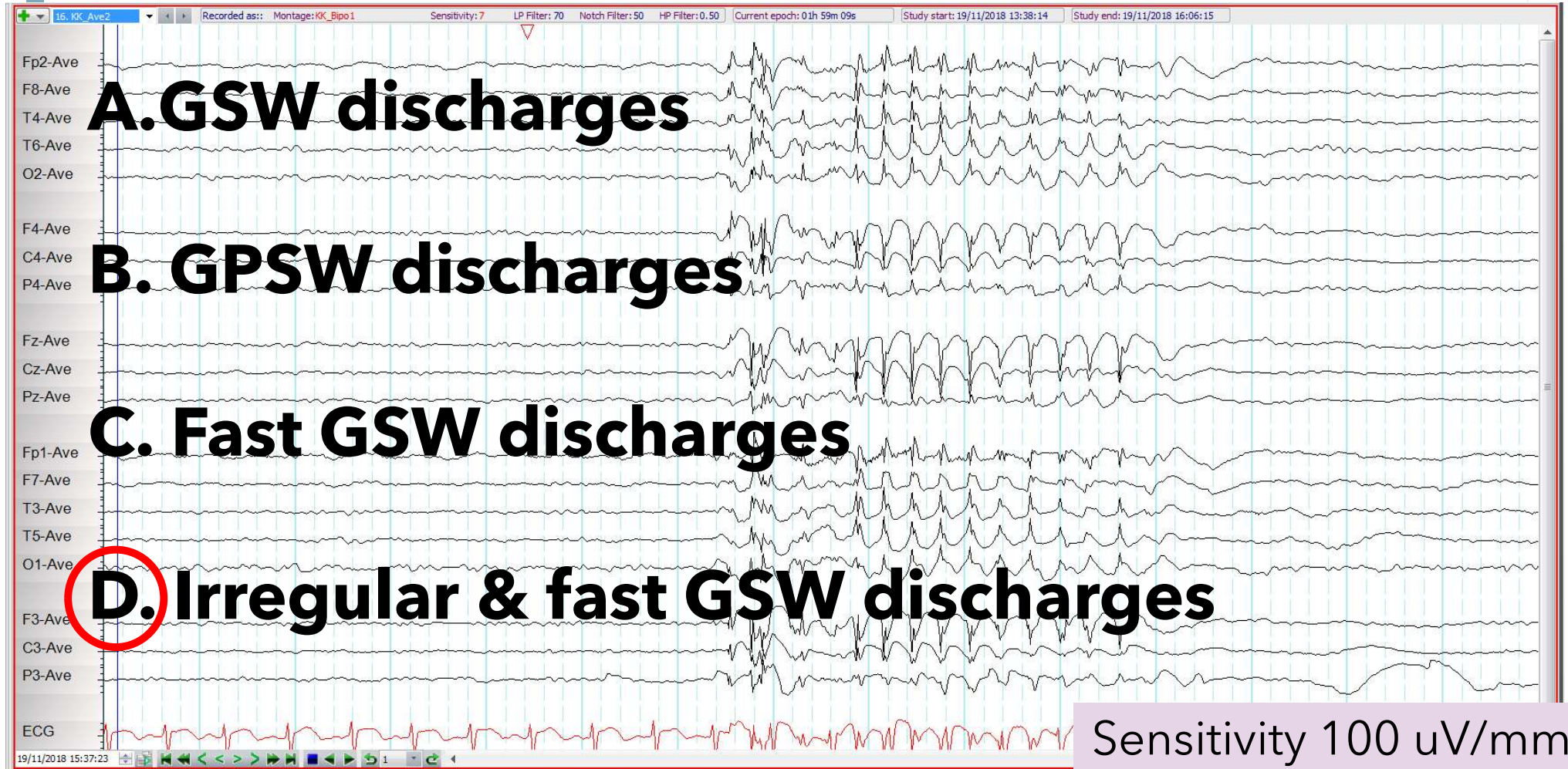
13 years old

Question 15: Describe the EEG finding?



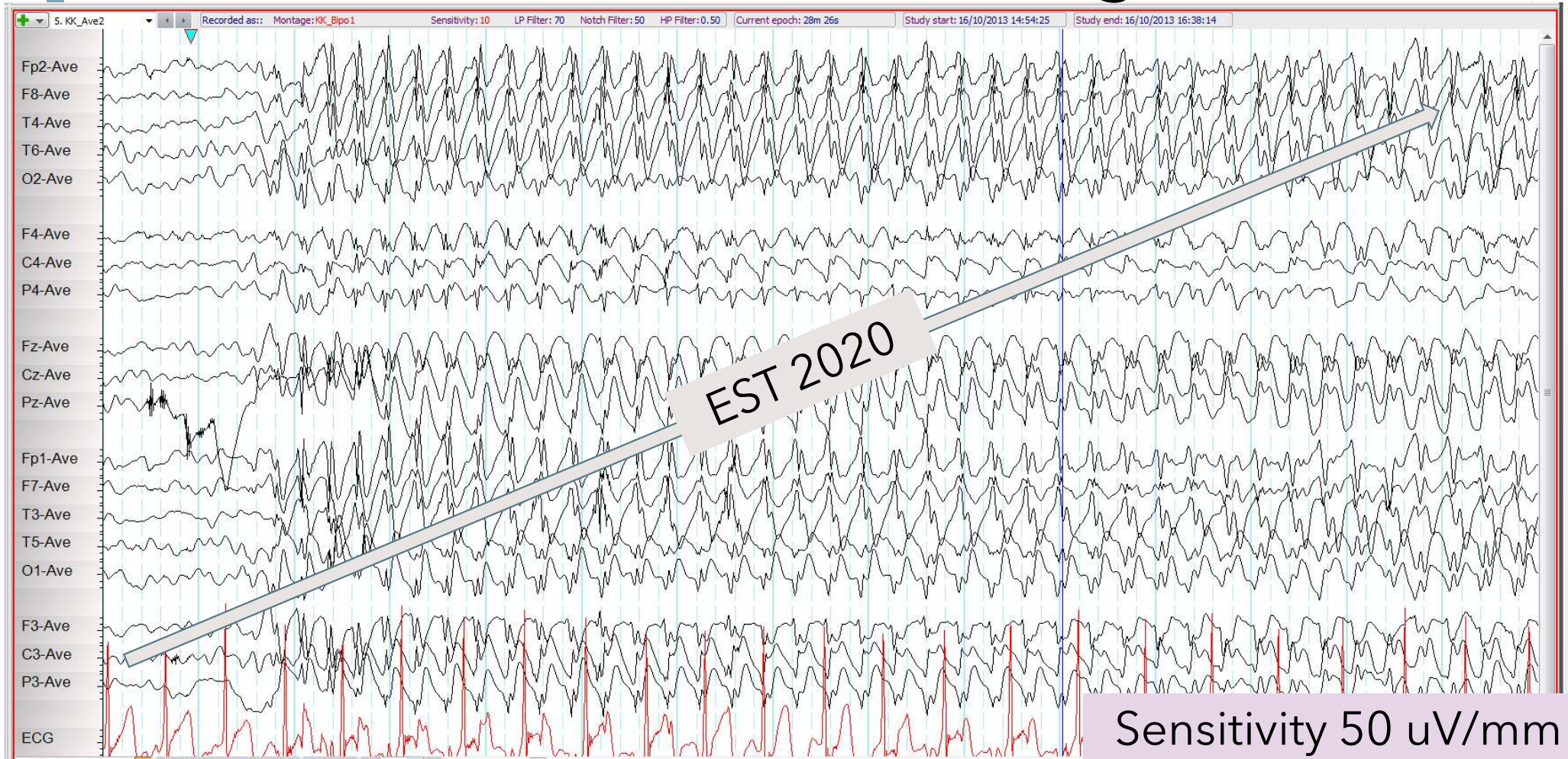
13 years old

Answer 15:



6 years old

Question 16: What is this finding?



6 years old

Answer 16:

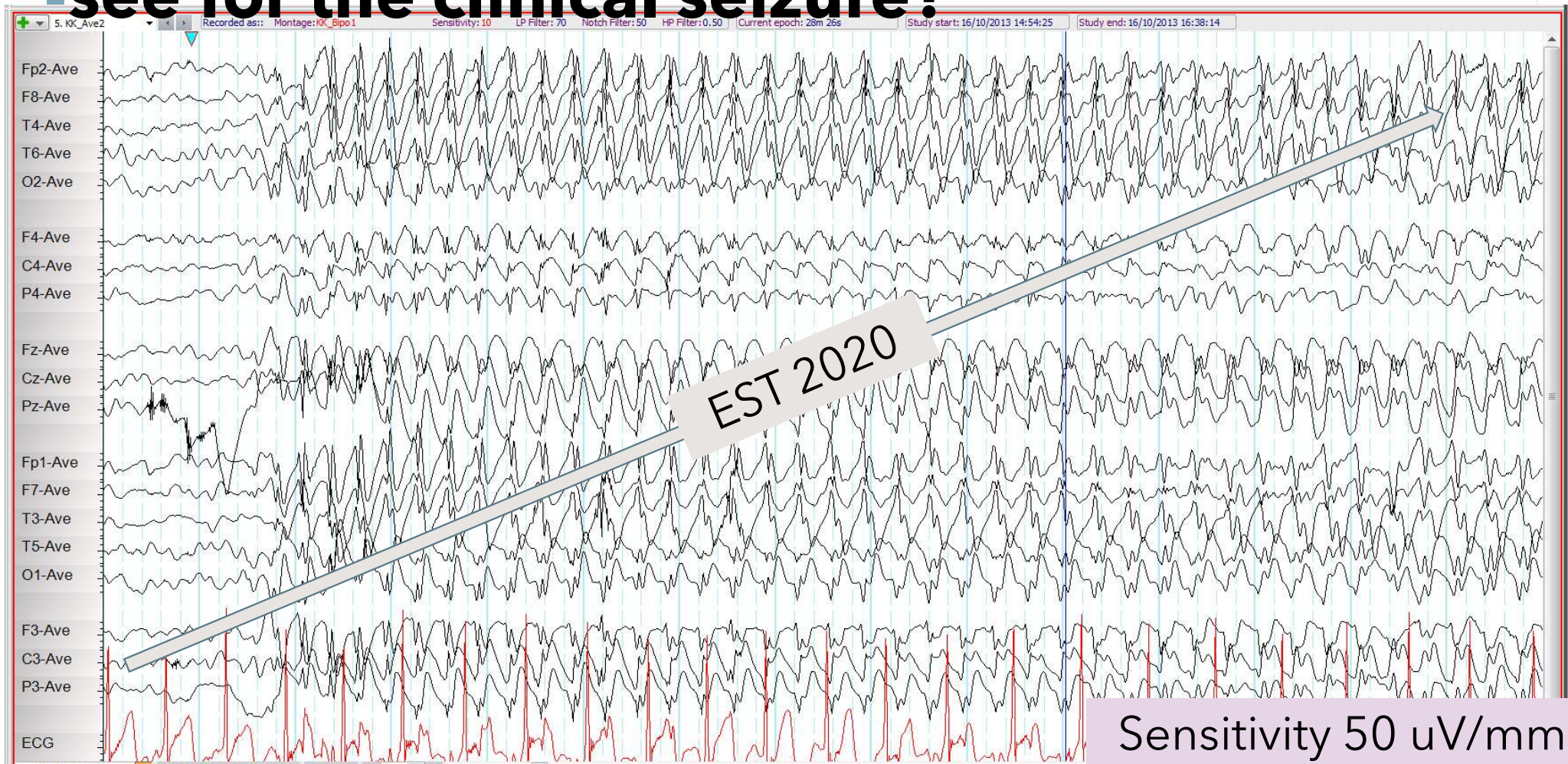
A. Focal with bilateral SW discharges

B. Generalized 3 Hz SW discharges

Sensitivity 50 $\mu\text{V}/\text{mm}$

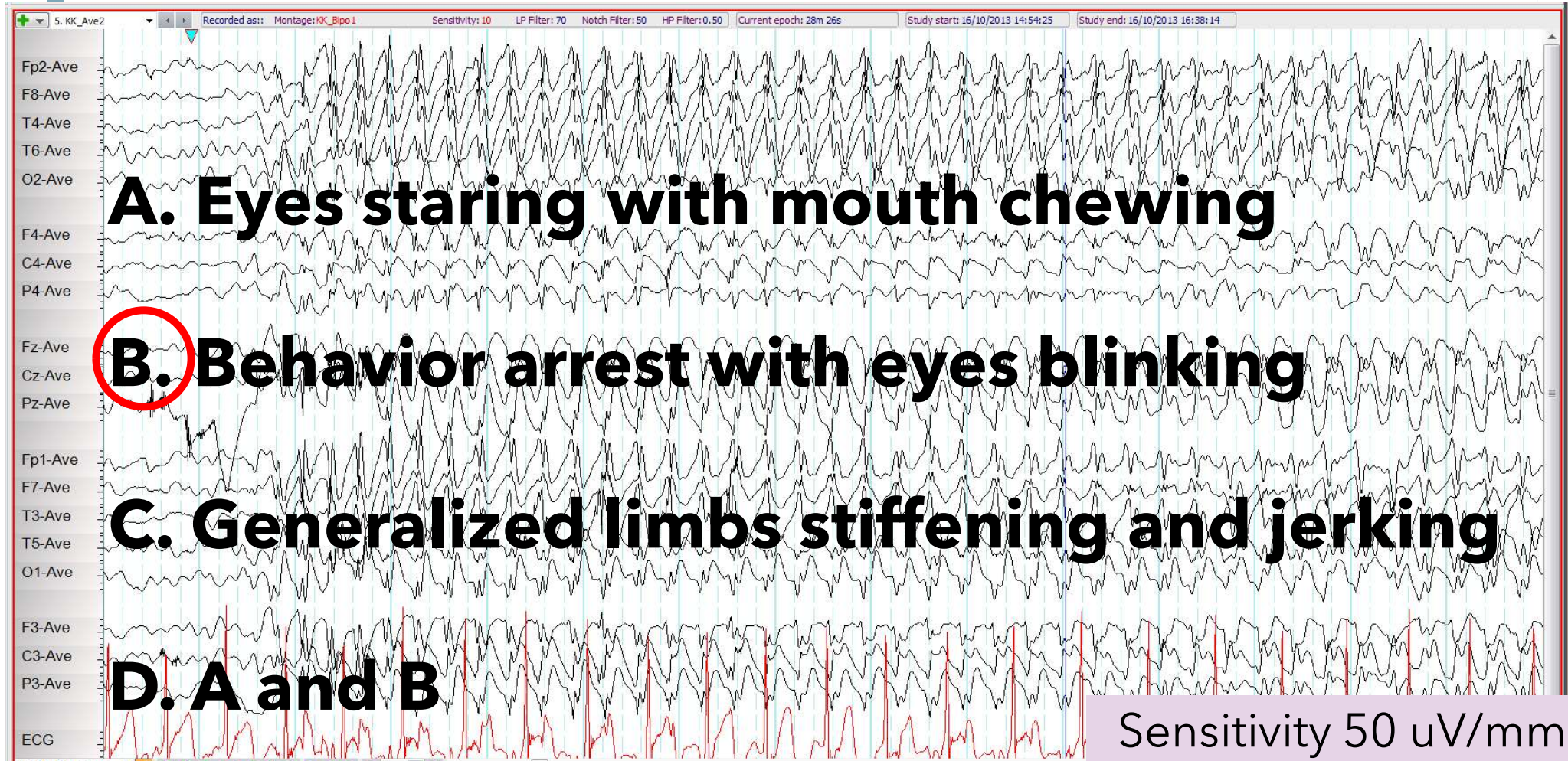
Question 17: What would you expect to see for the clinical seizure?

6 years old

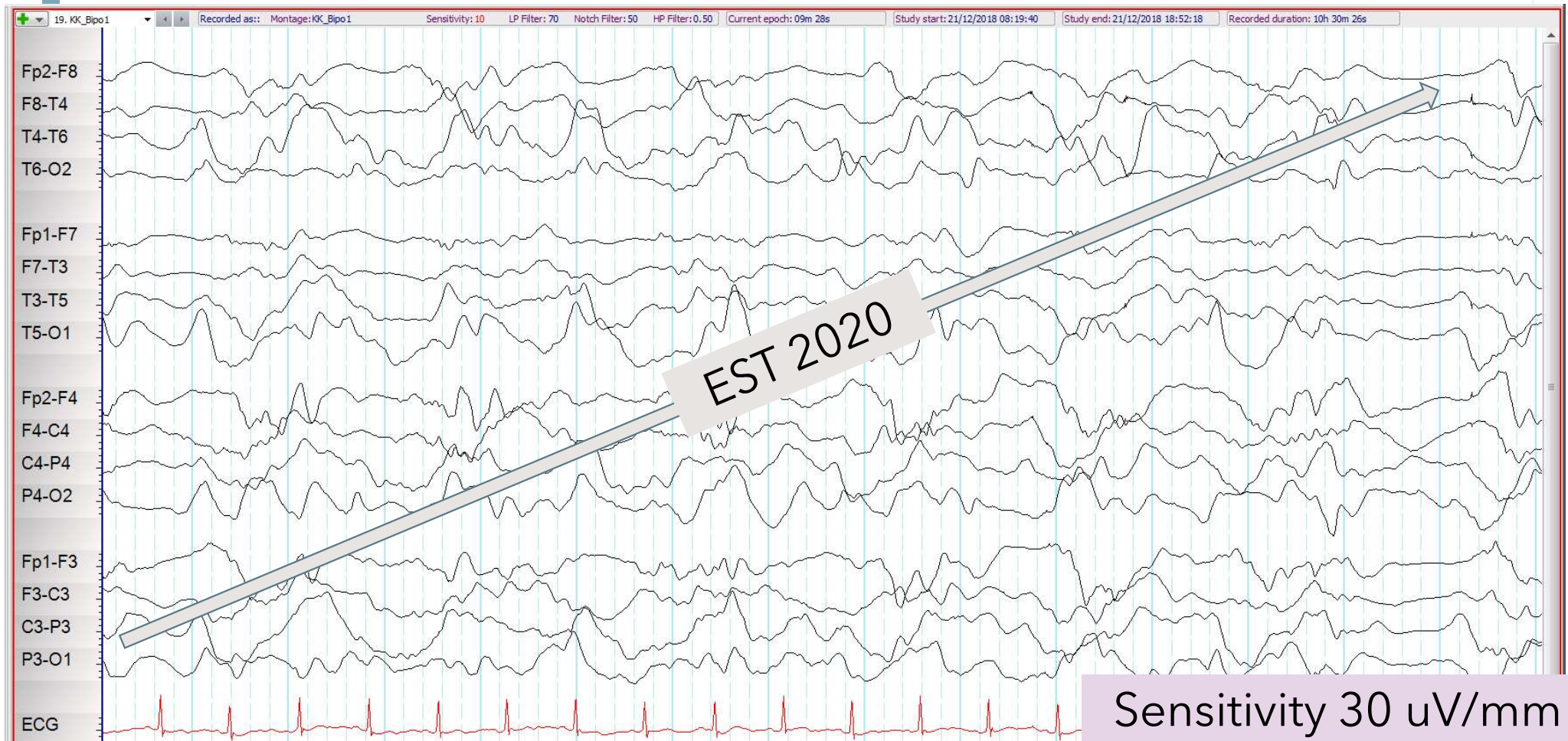


6 years old

Answer 17:



Q18: Which can be the scenario in this patient?



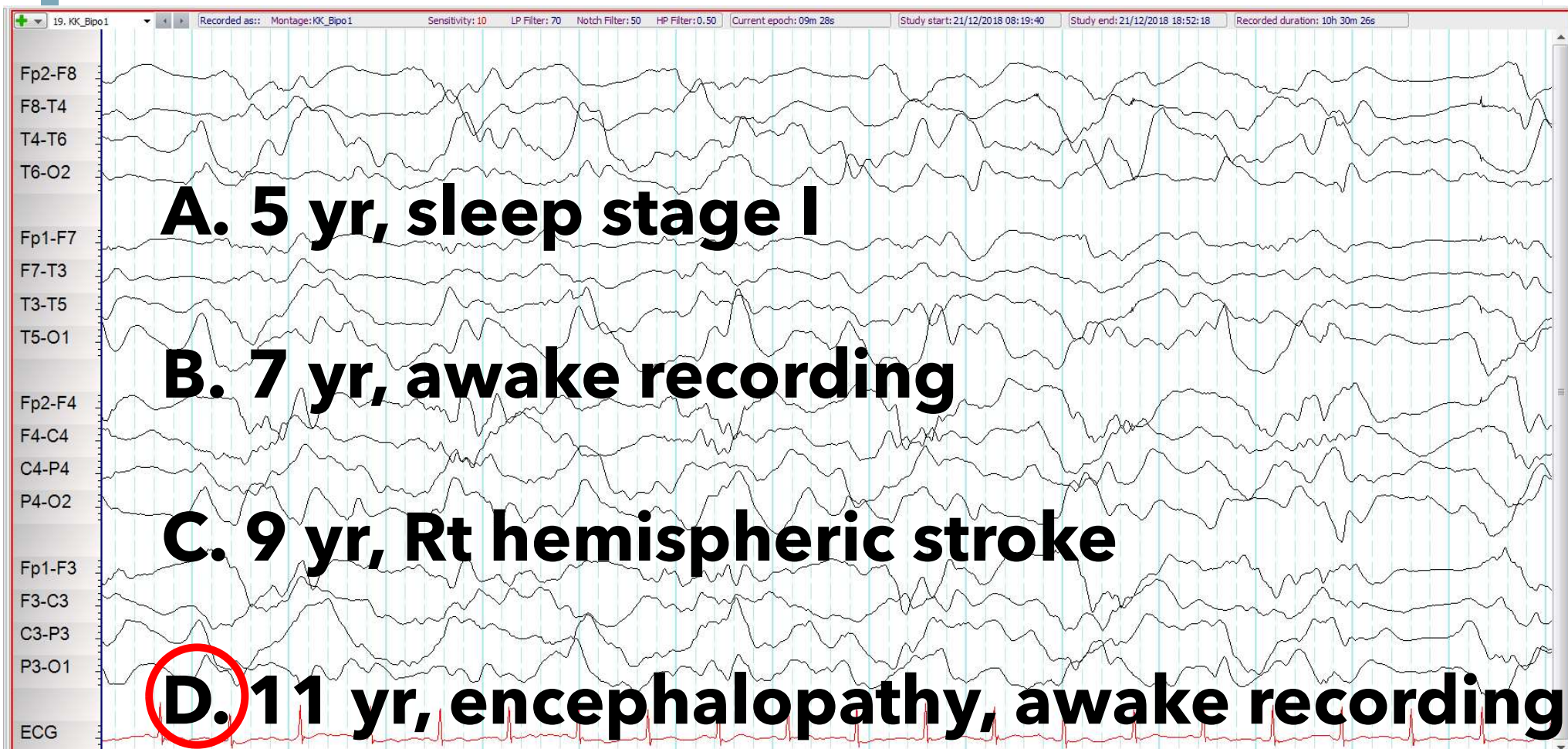
Answer18:

A. 5 yr, sleep stage I

B. 7 yr, awake recording

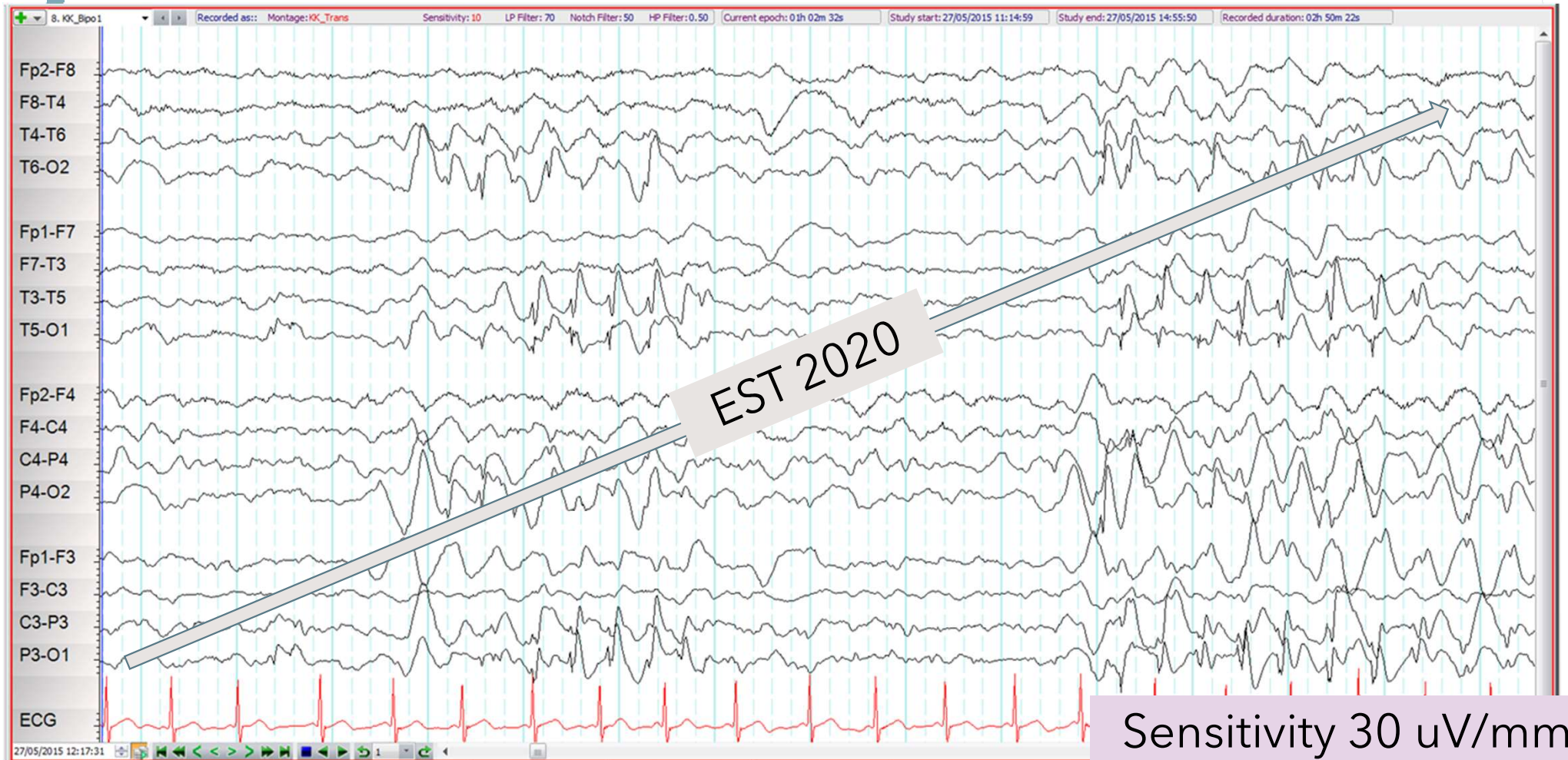
C. 9 yr, Rt hemispheric stroke

D. 11 yr, encephalopathy, awake recording



6 years old

Question 19 : What is the abnormalities?



6 years old

Answer 19 :

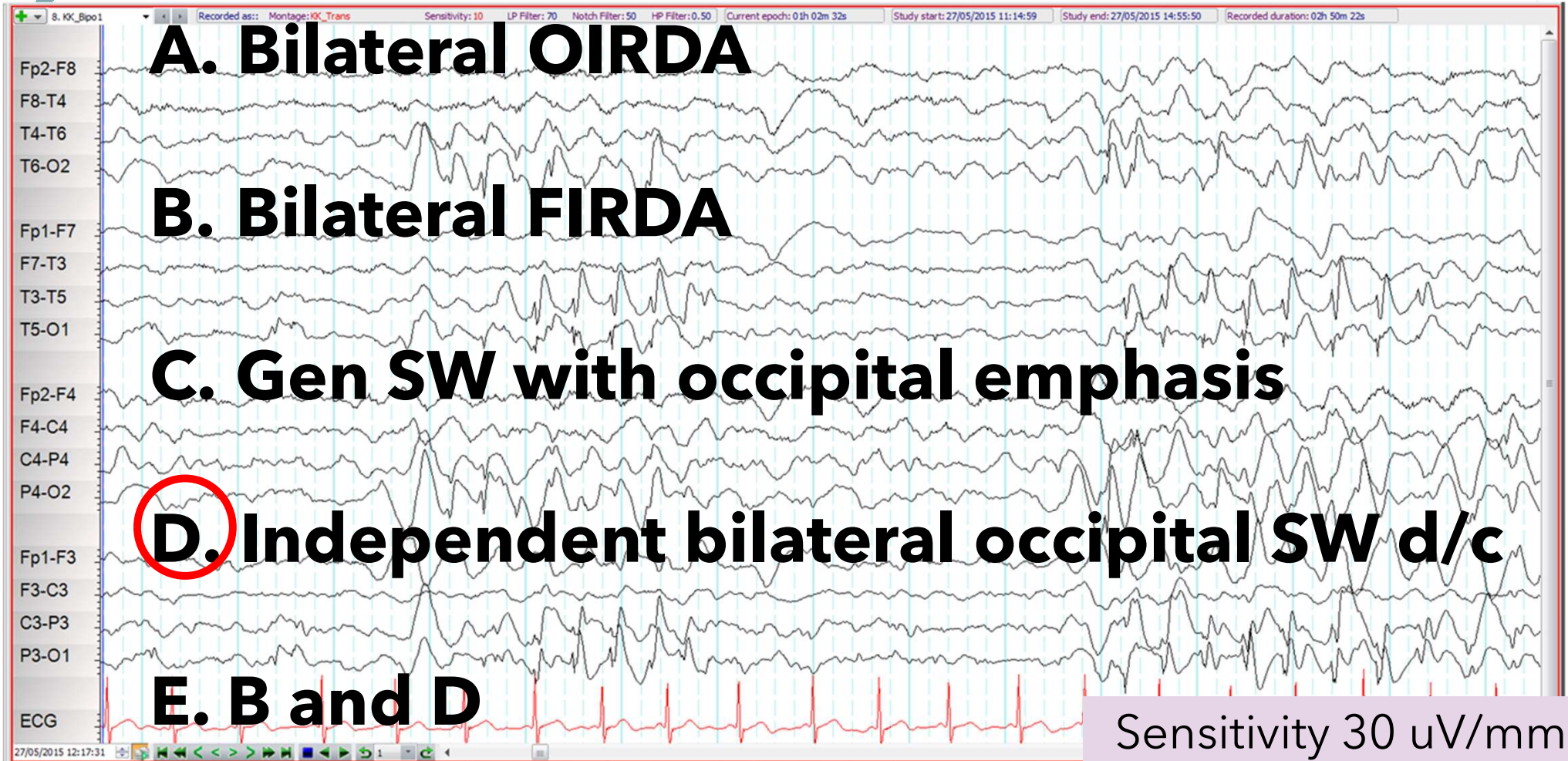
A. Bilateral OIRDA

B. Bilateral FIRDA

C. Gen SW with occipital emphasis

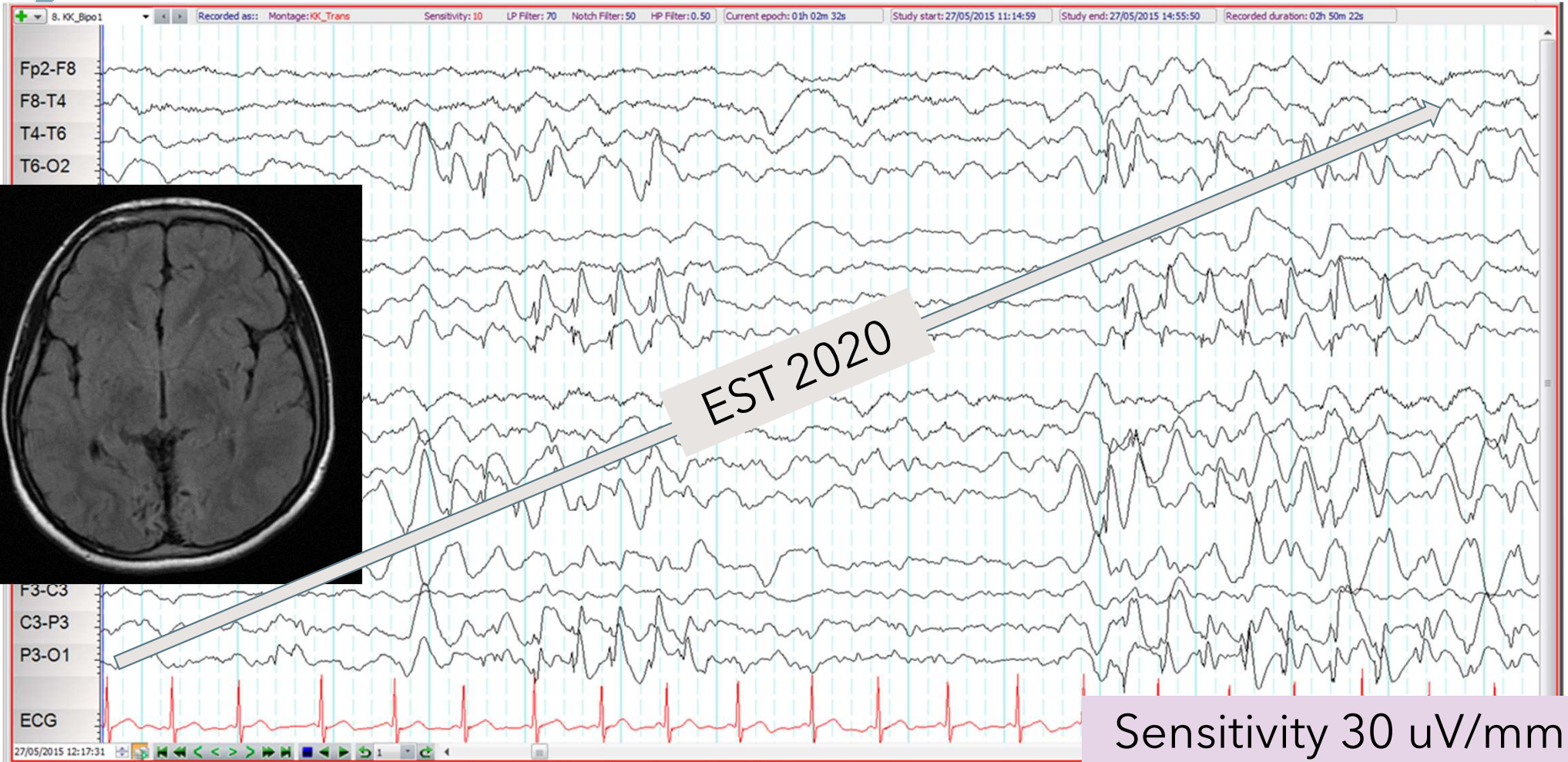
D. Independent bilateral occipital SW d/c

E. B and D

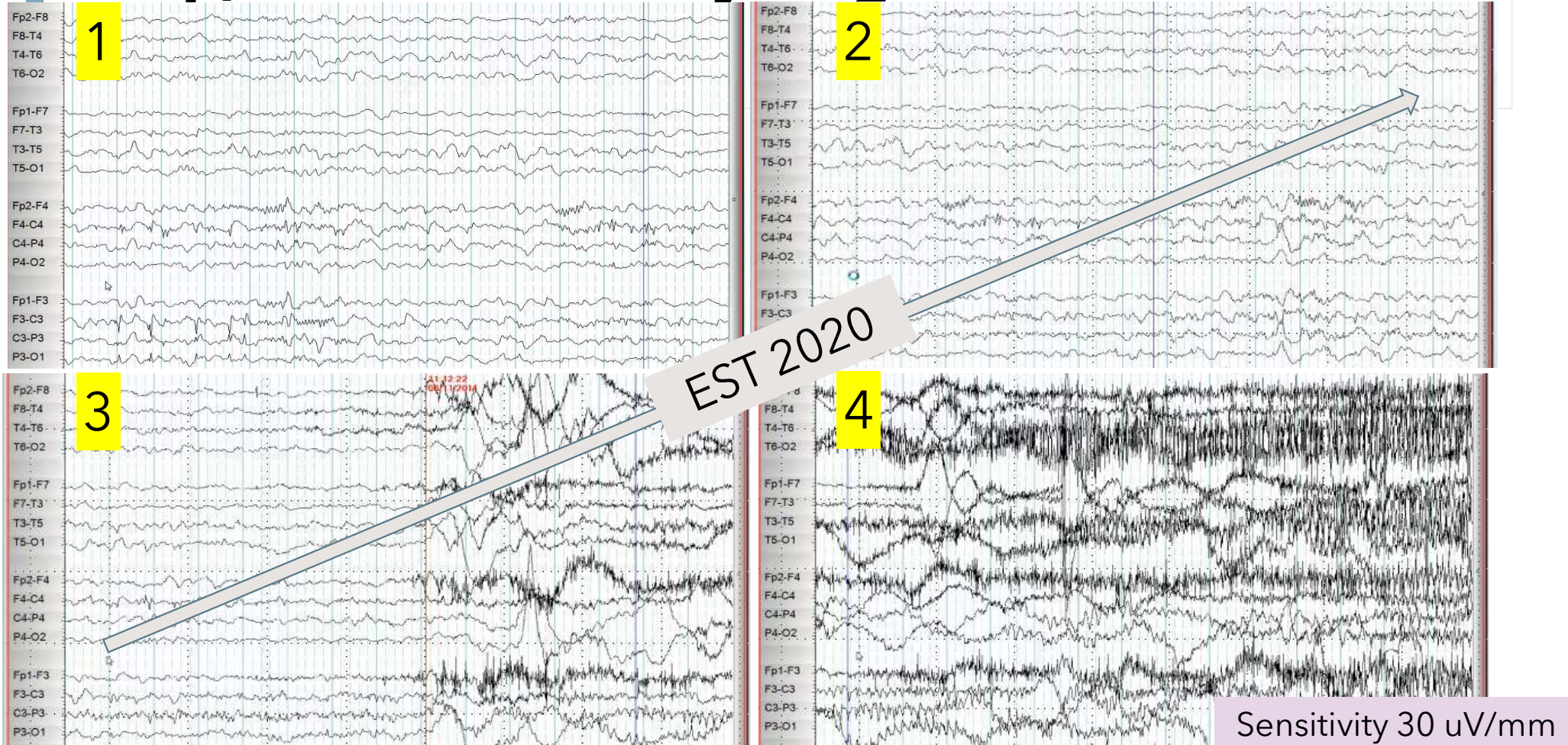


6 years old

Question 19 : Additional data

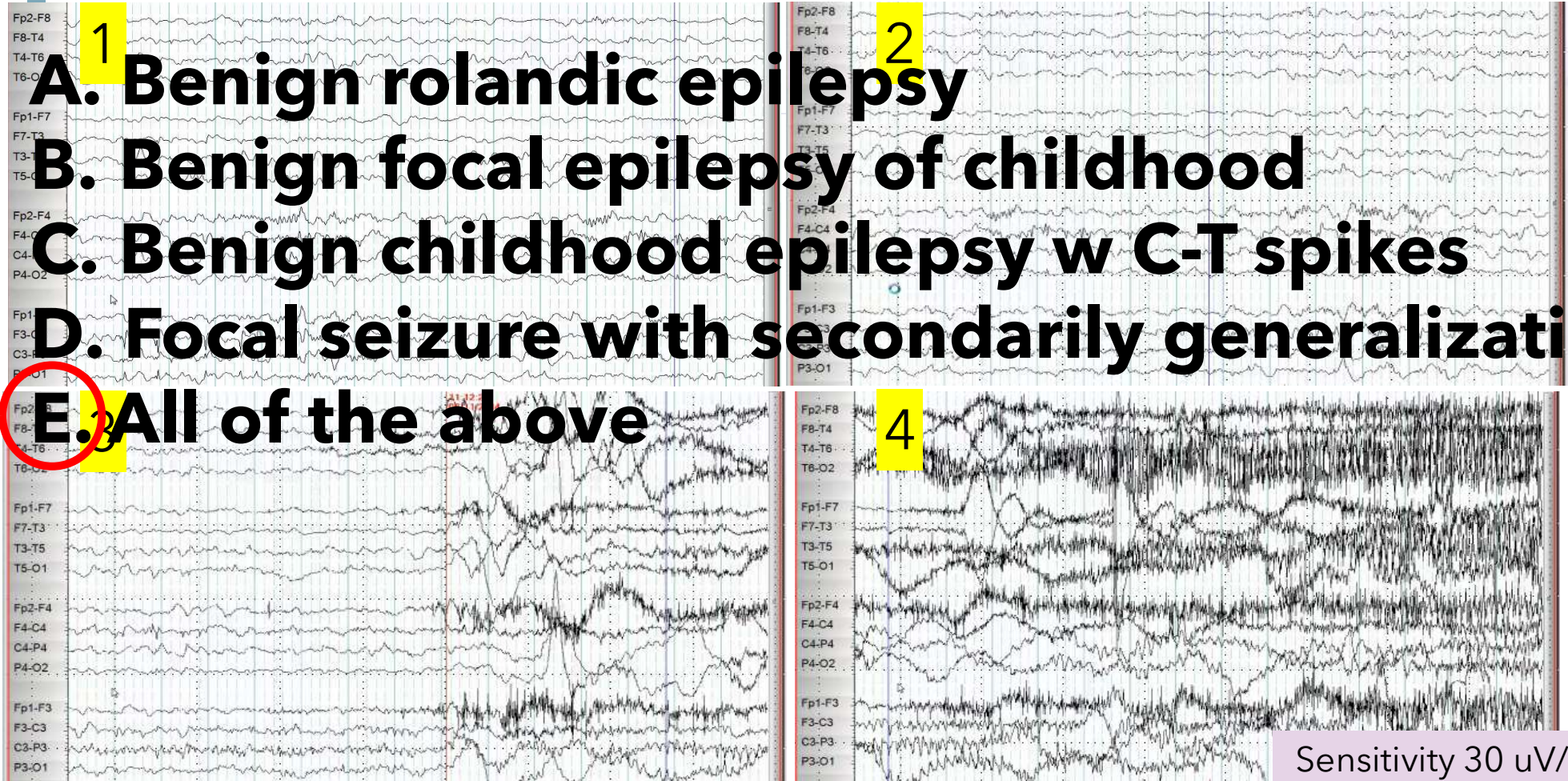


Question 20: A 7-year-old boy had seizure in sleep, what is the likely diagnosis?



Answer 20:

- 1 **A. Benign rolandic epilepsy**
- 2 **B. Benign focal epilepsy of childhood**
- C. Benign childhood epilepsy w C-T spikes**
- D. Focal seizure with secondarily generalization**
- 3 **E. All of the above**



Sensitivity 30 uV/mm