

NCSE: Real-world Diagnostic challenges

Surachai Likasitwattanakul, M.D.
Department of Pediatrics
Faculty of Medicine Siriraj Hospital

Lateralized
RDA+ 1 Hz
OR
Fluctuation

≥ 10 sec.

PD+ or SW
≥ 0.5 but ≤ 1 Hz
or Fluctuation

> 10 sec.

PD or SW
>1 ≤ but ≤ 2.5
Hz

> 10 sec.

Focal or
Generalized
Rhythmic
activity
> 4 Hz

Not known normal
variants not BS/BA

≥ 0.5 to < 10
sec.

- Evolving
- Similar morphology
and location of
interictal ED or seizure
- Sharply contoured

Epileptiform
Discharge

> 2.5 Hz

Evolution

≥ 10 sec.

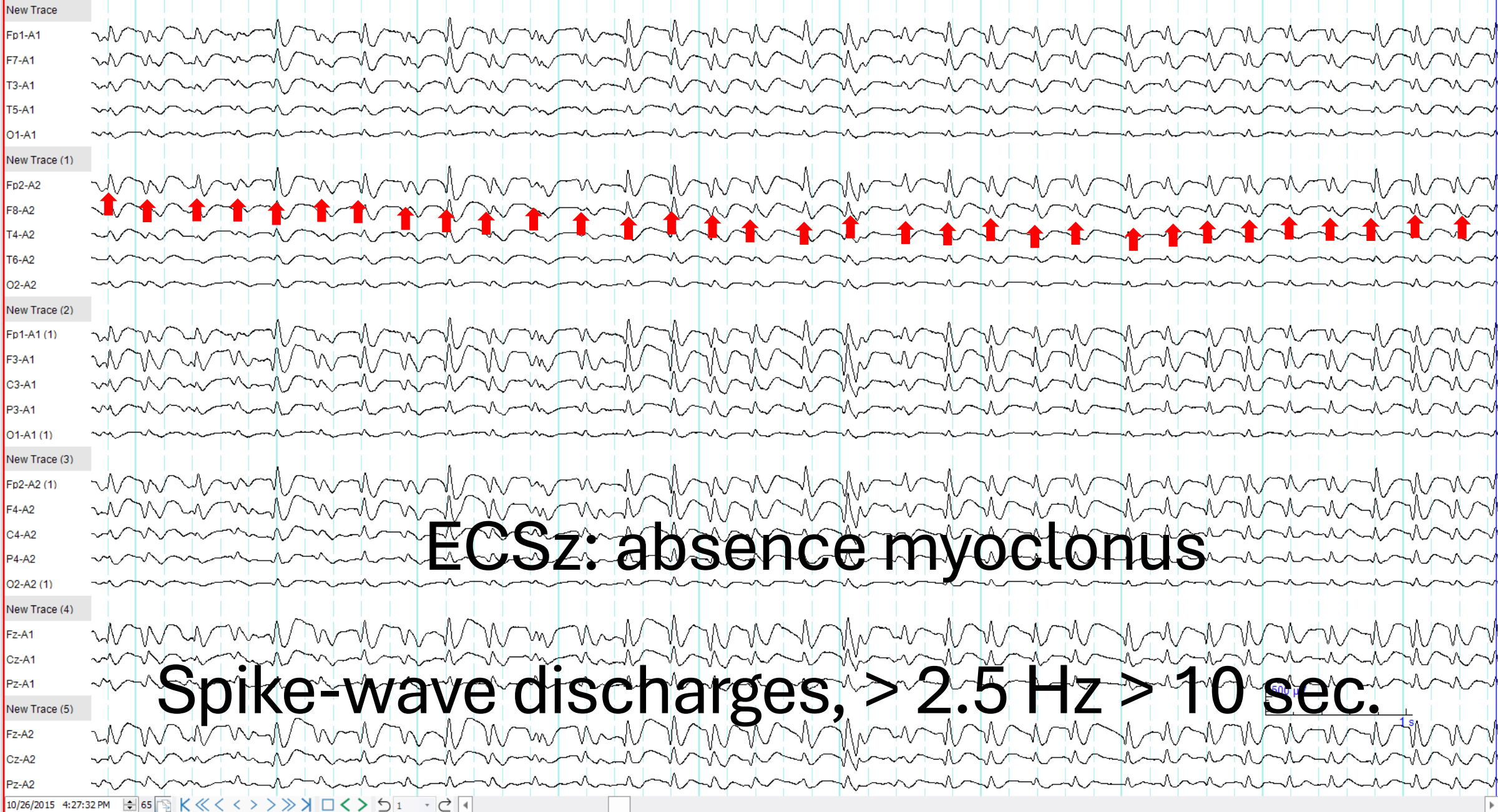
Clinical with
time-locked of
the pattern

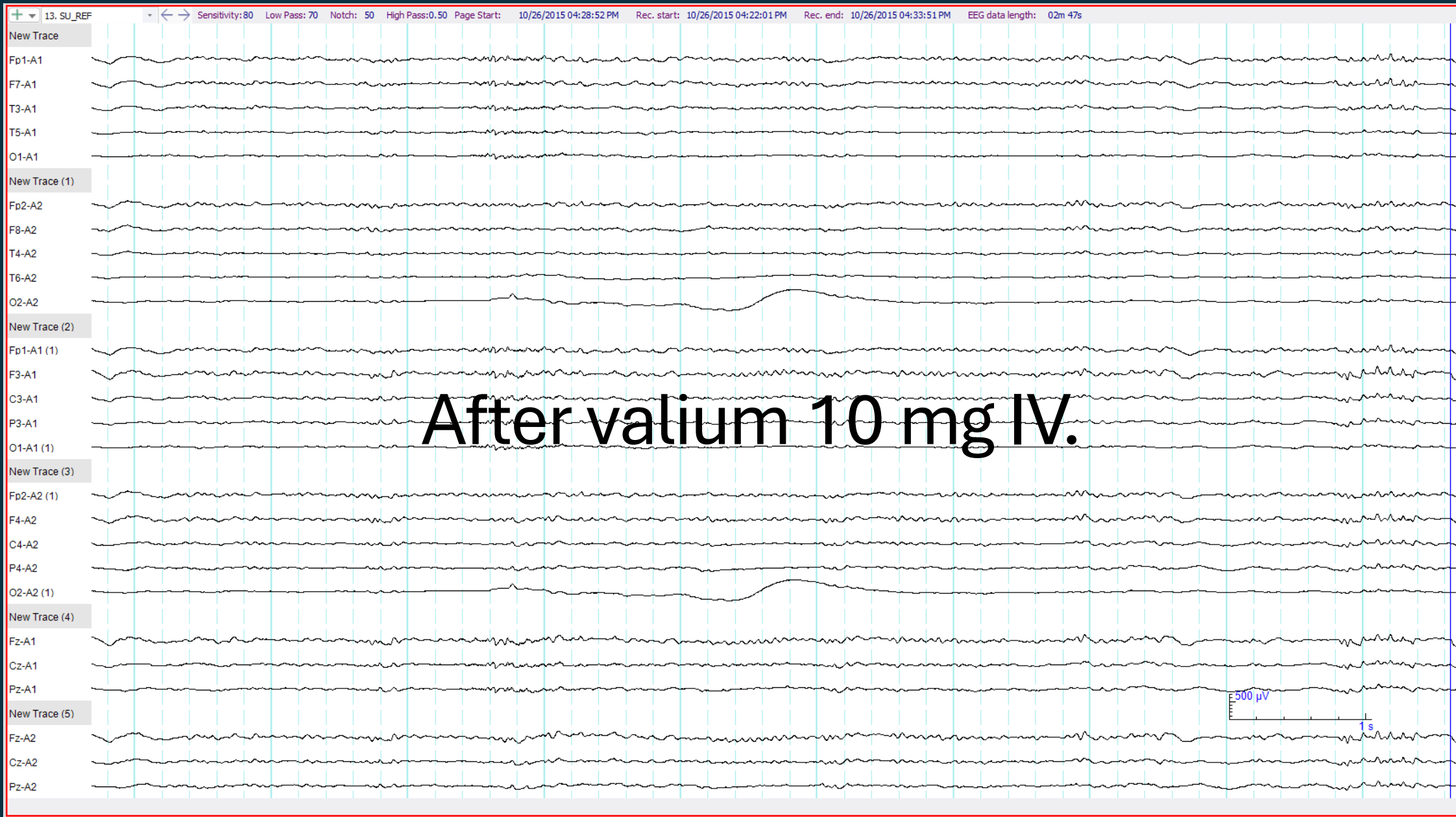
EEG and
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improve after
IV ASM

Ictal-interictal continuum

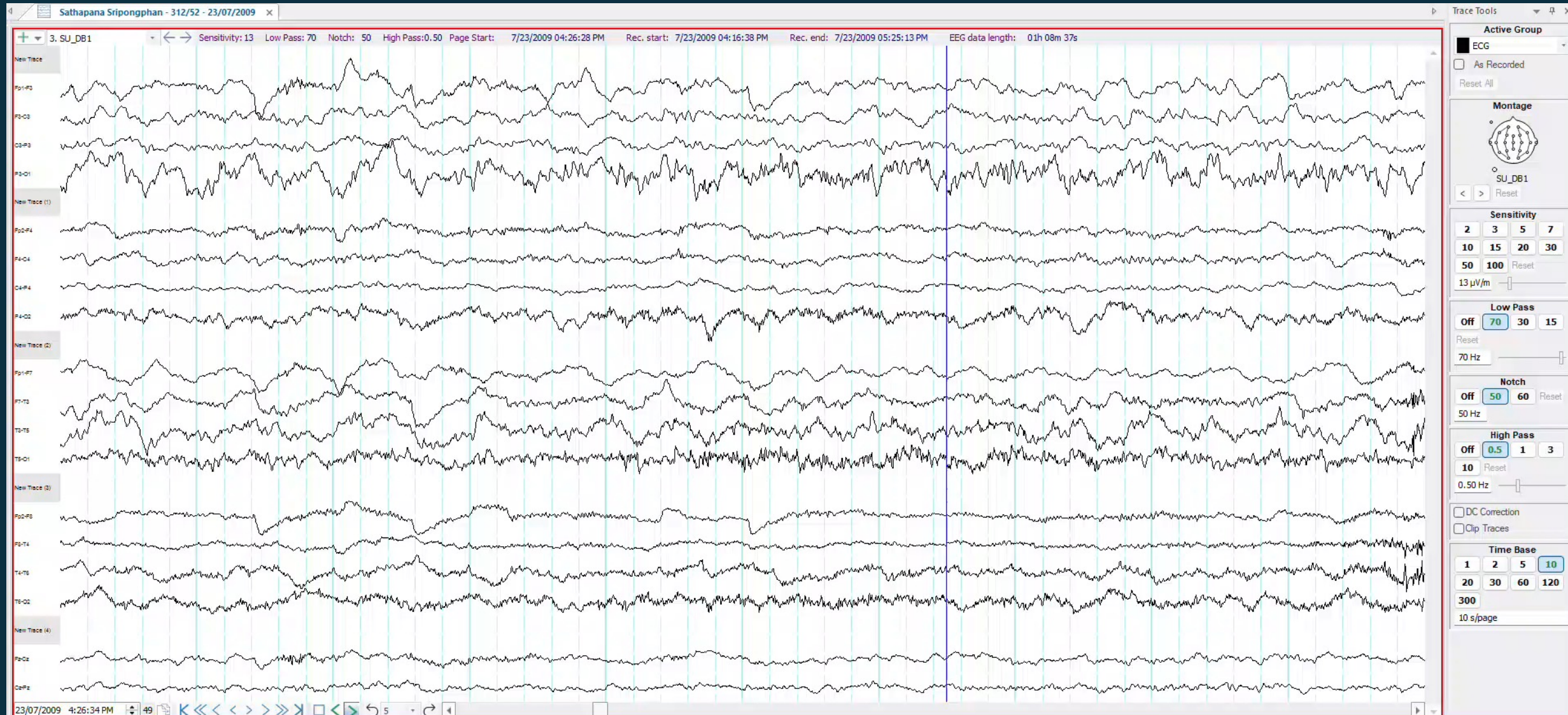
BIRDS

Seizure

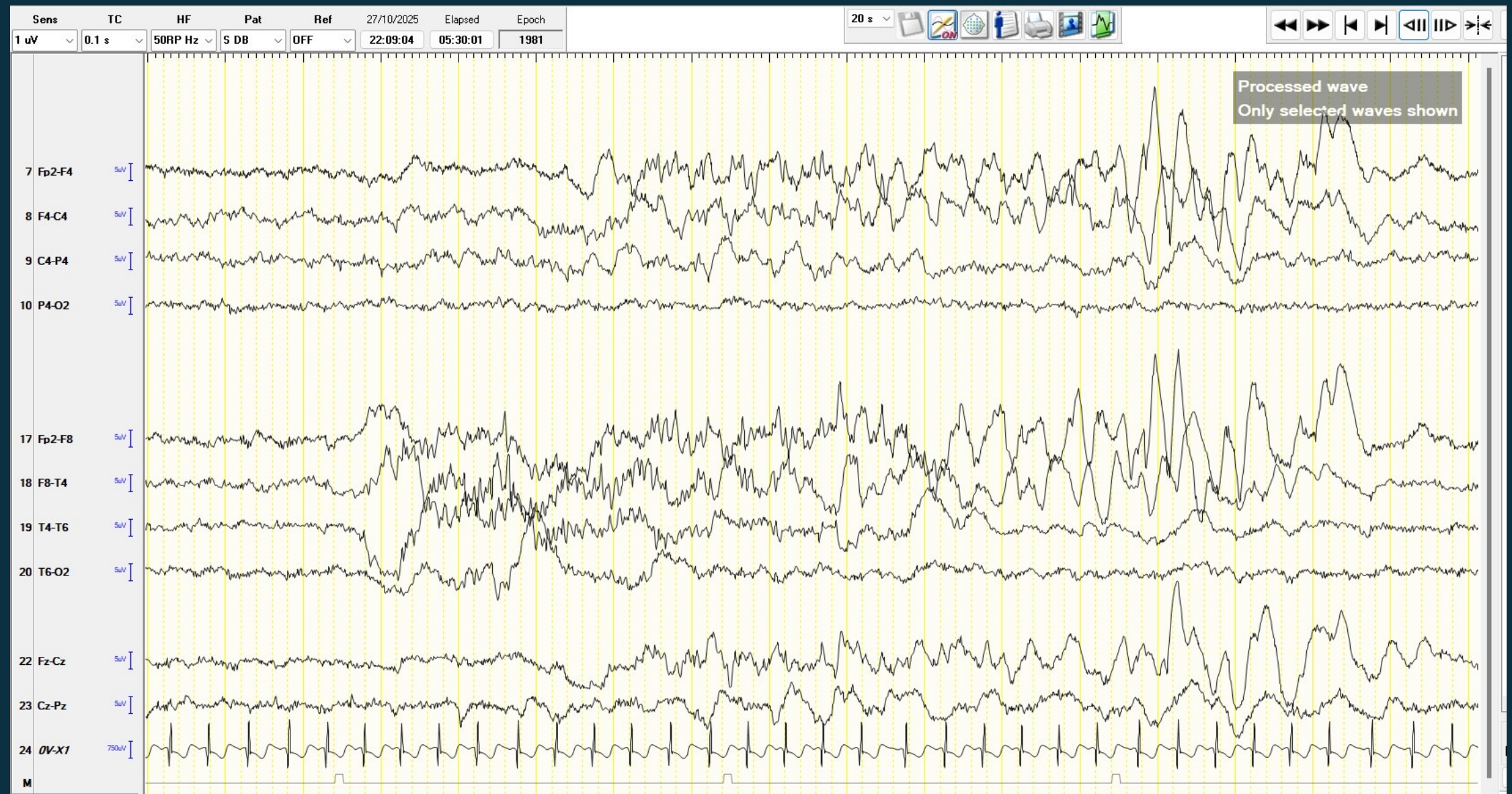




Evolution: frequency, morphology, location



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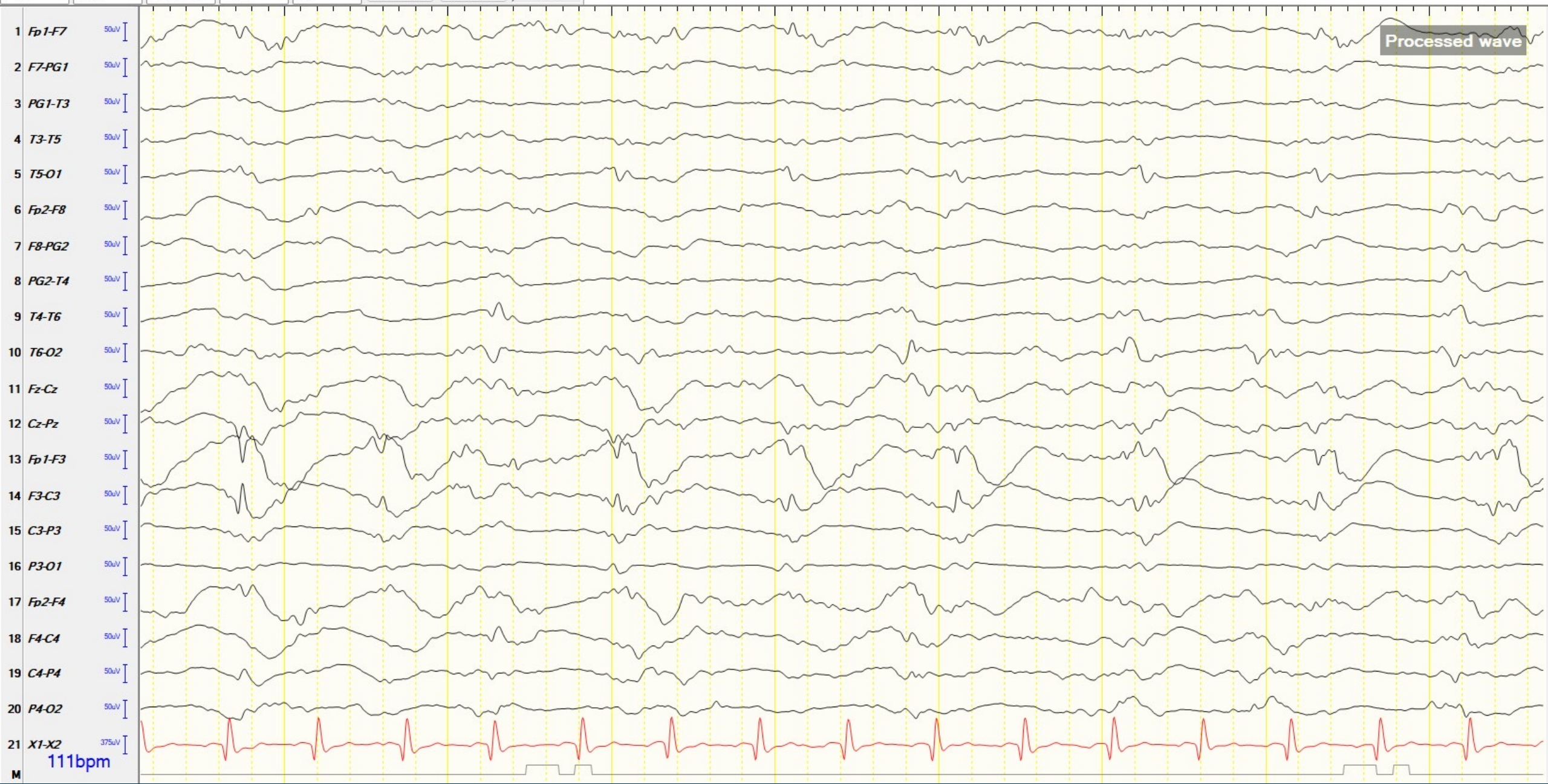
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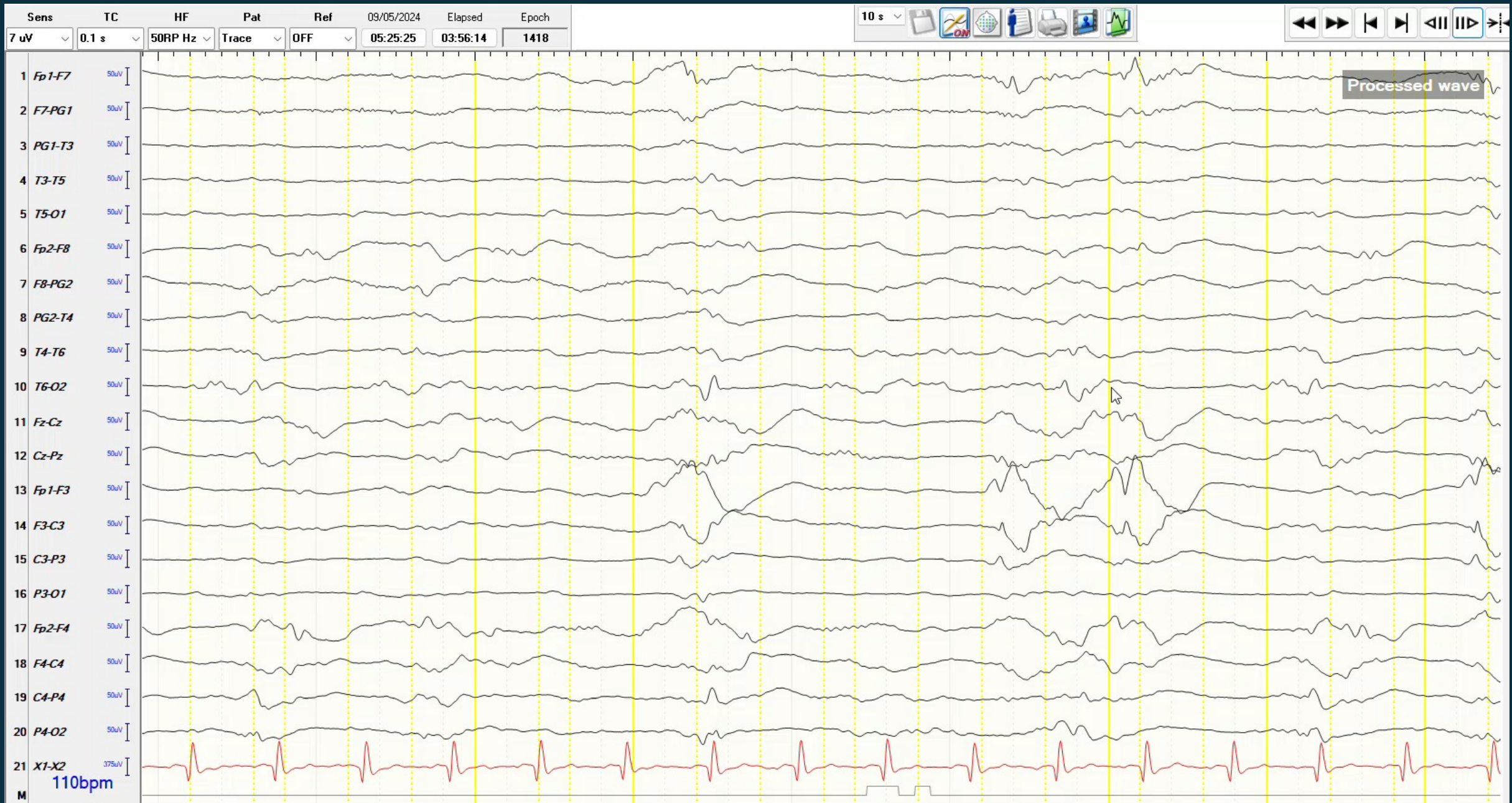
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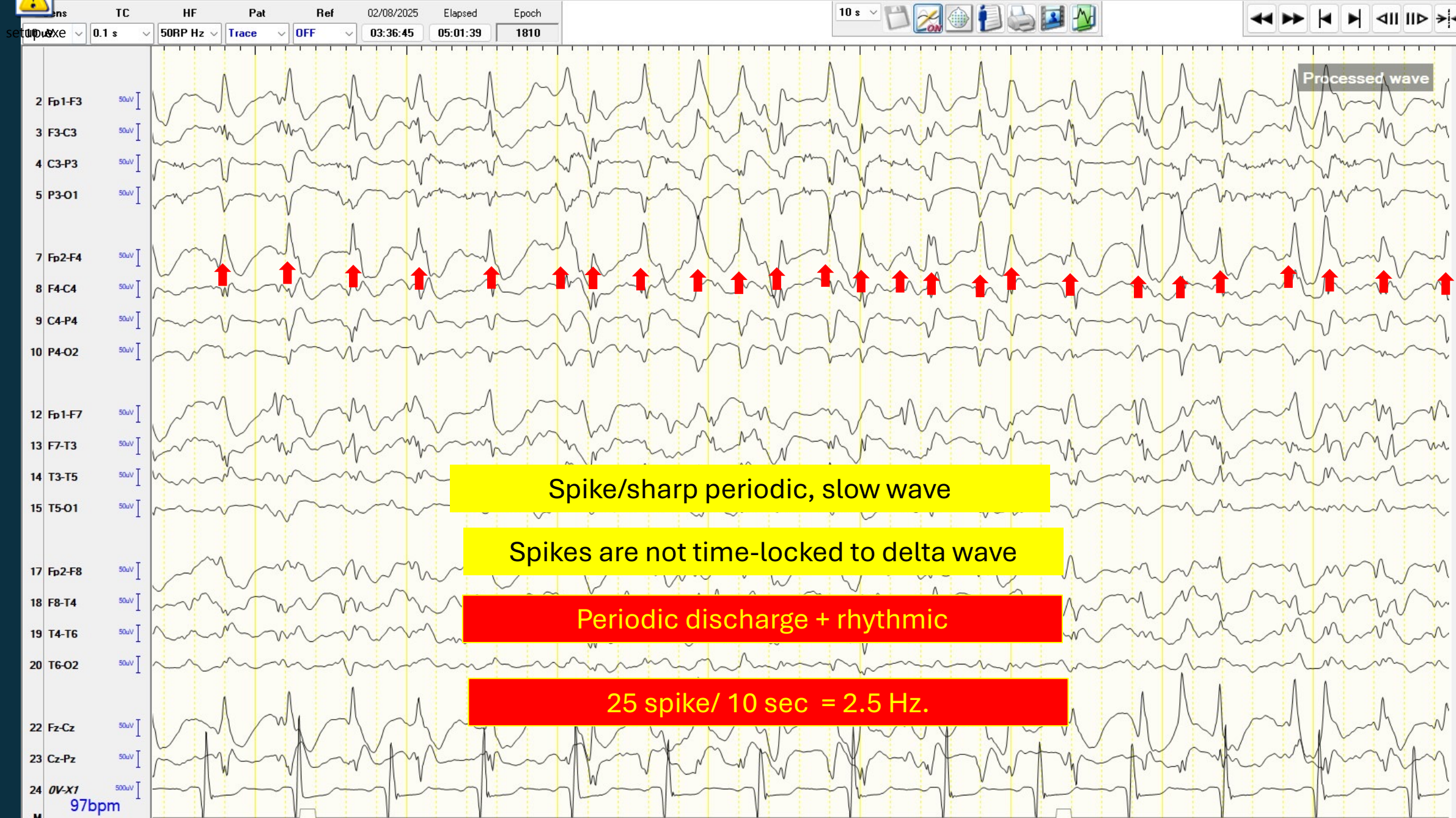
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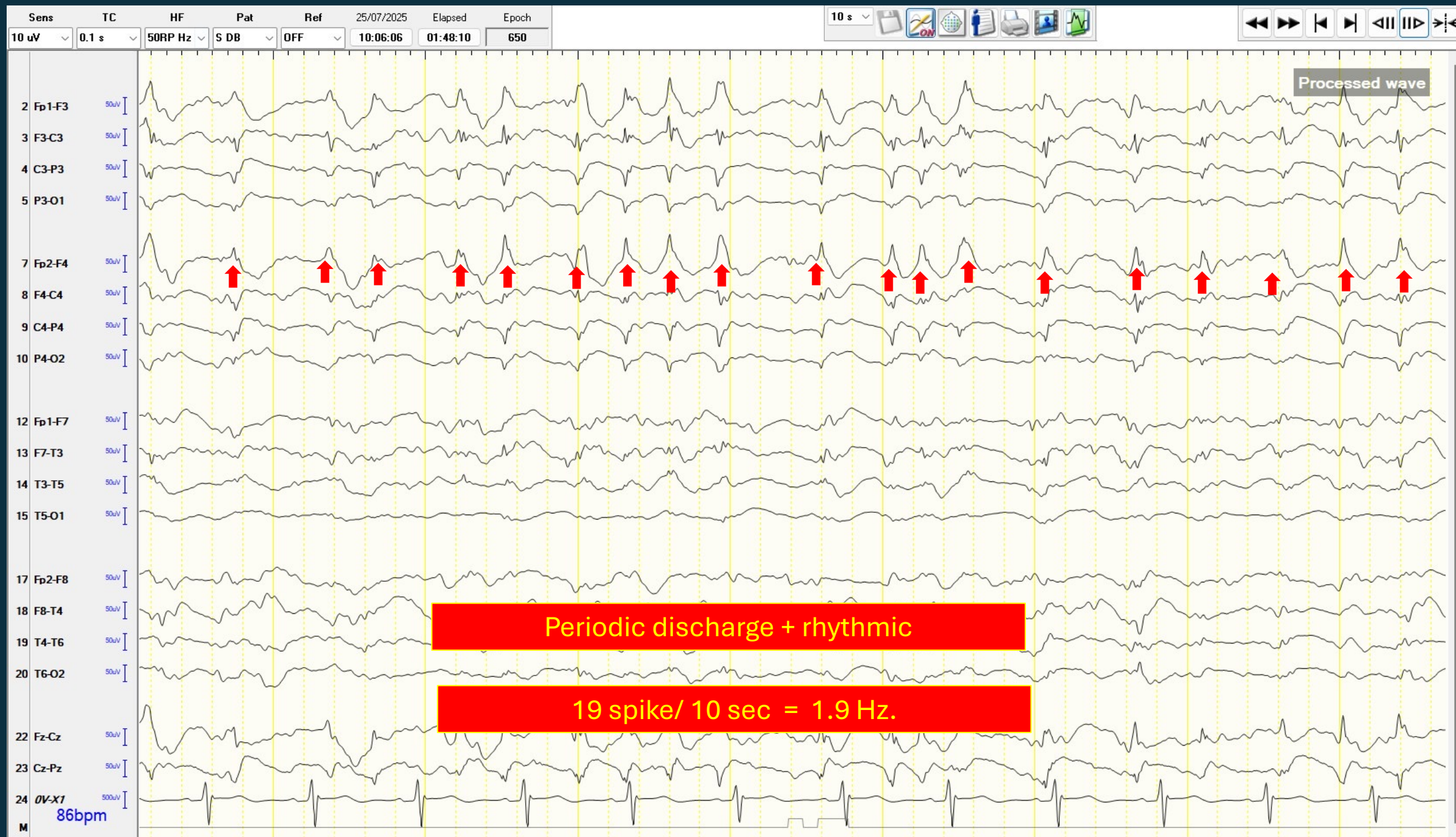
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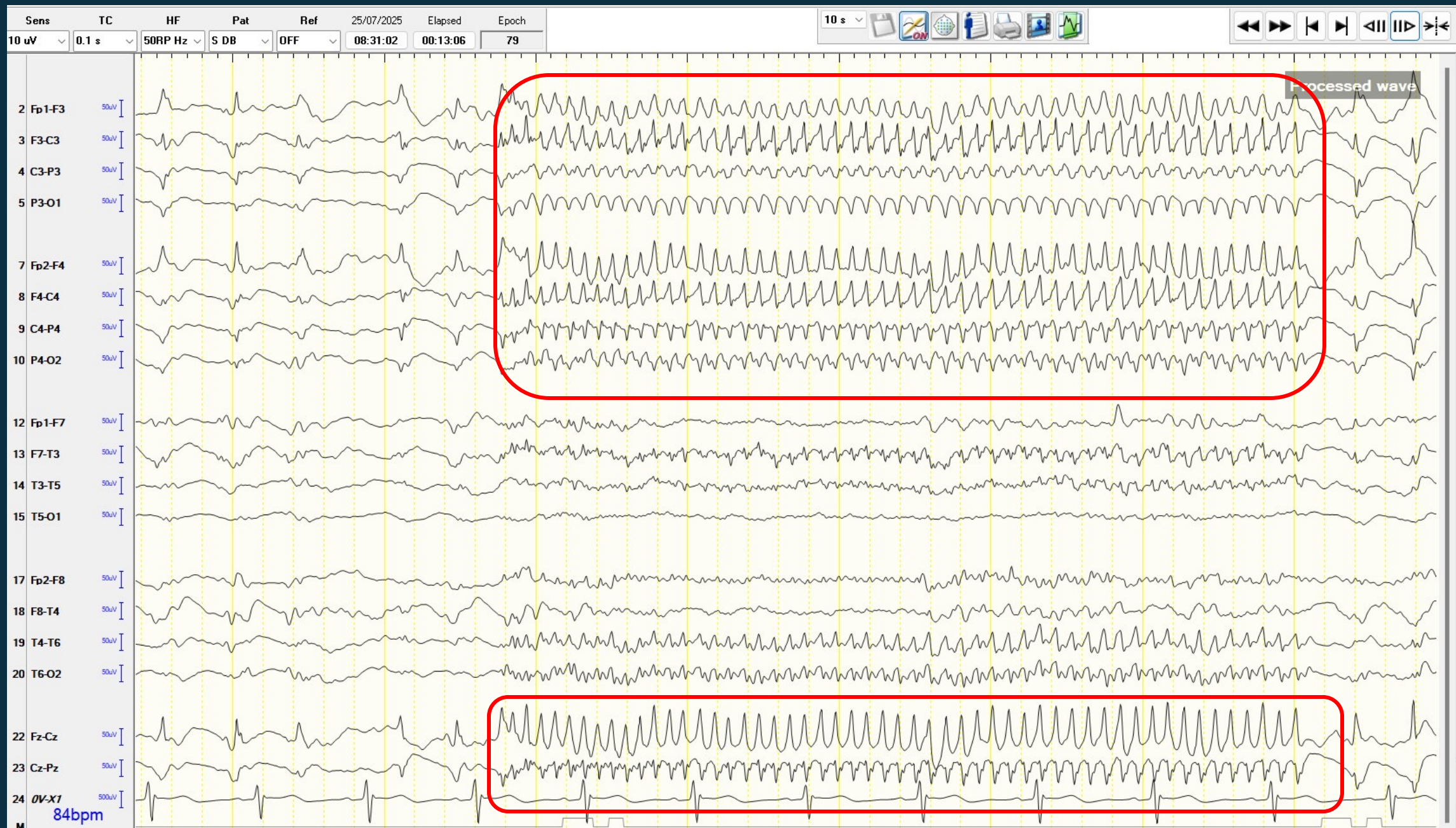
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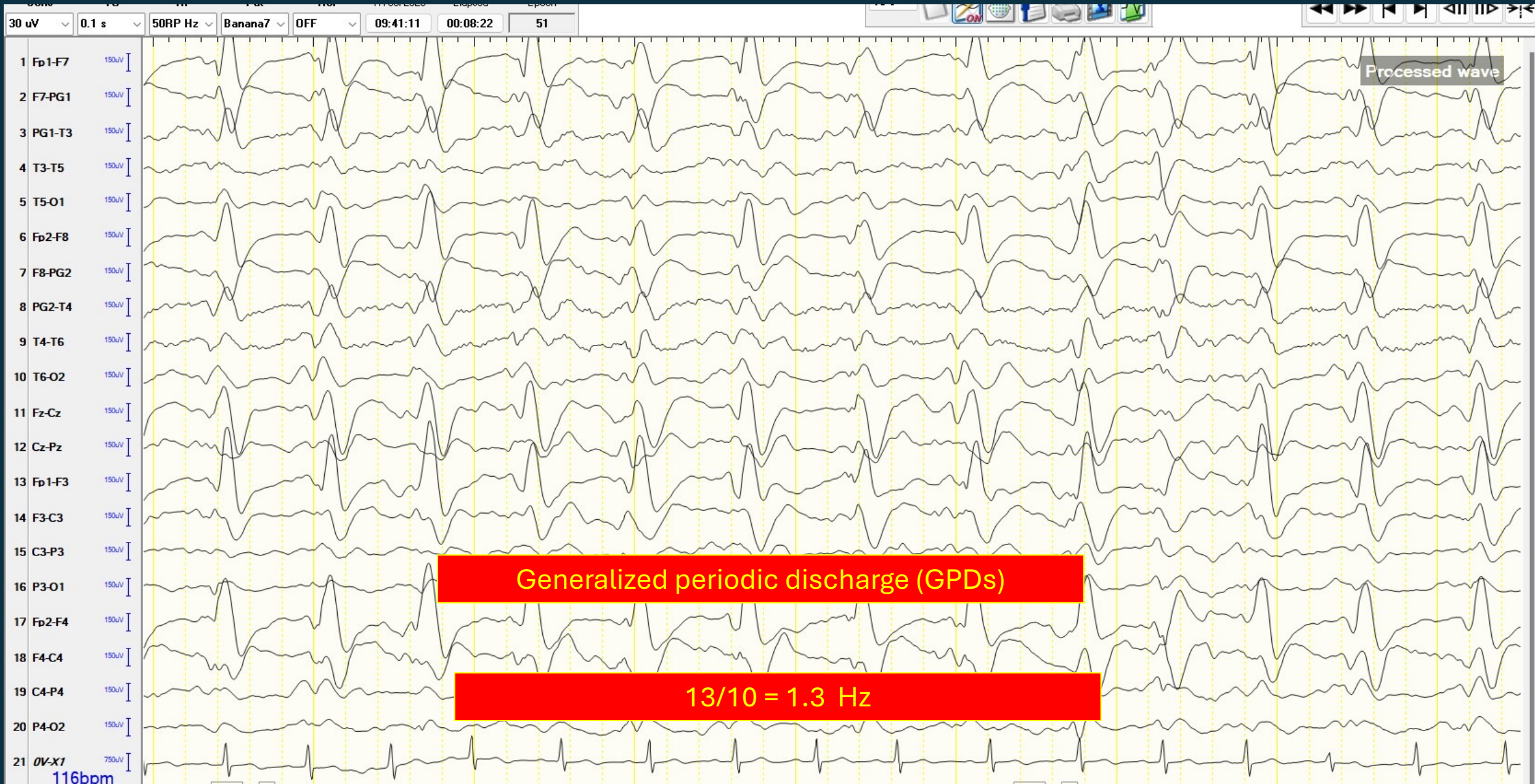
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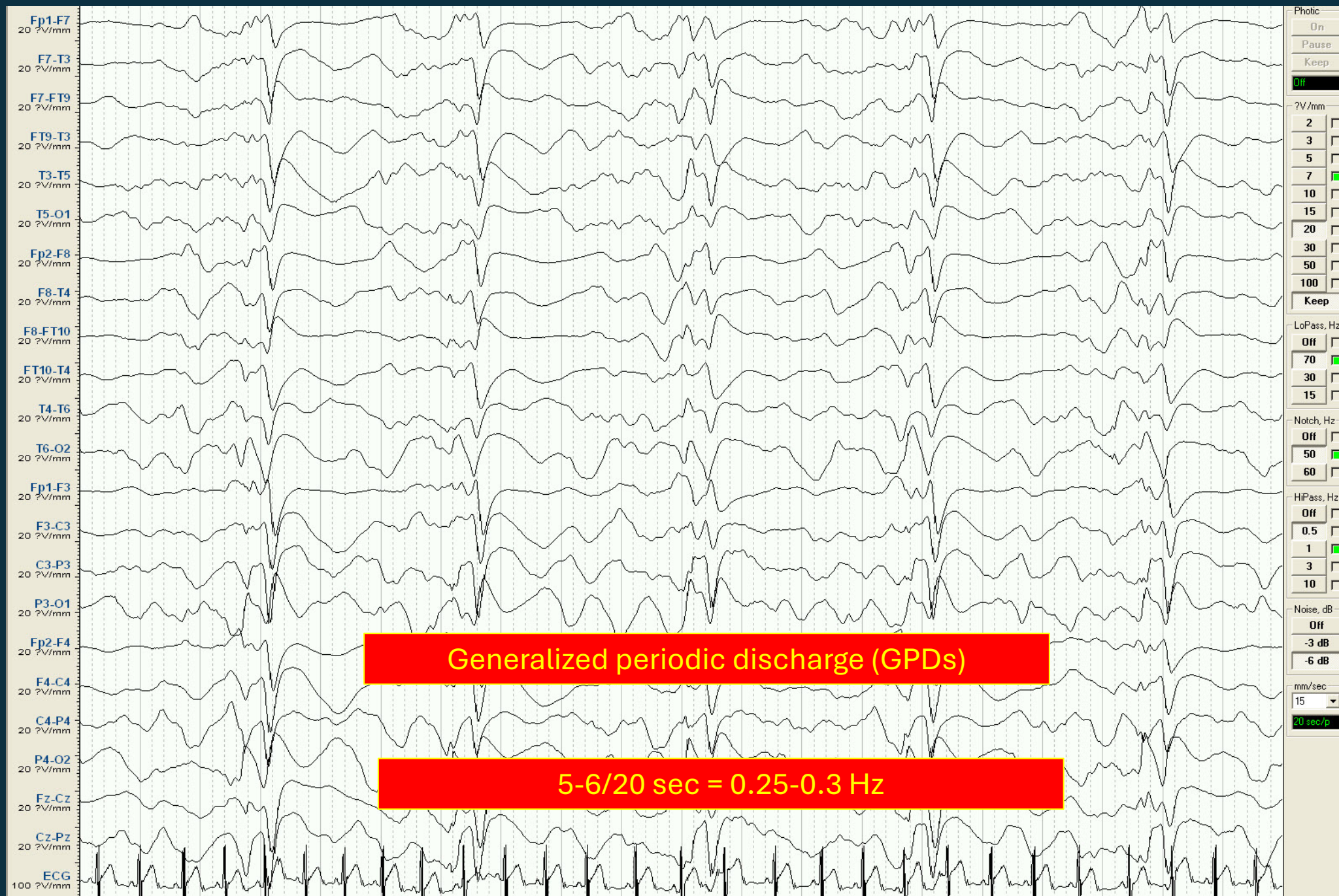
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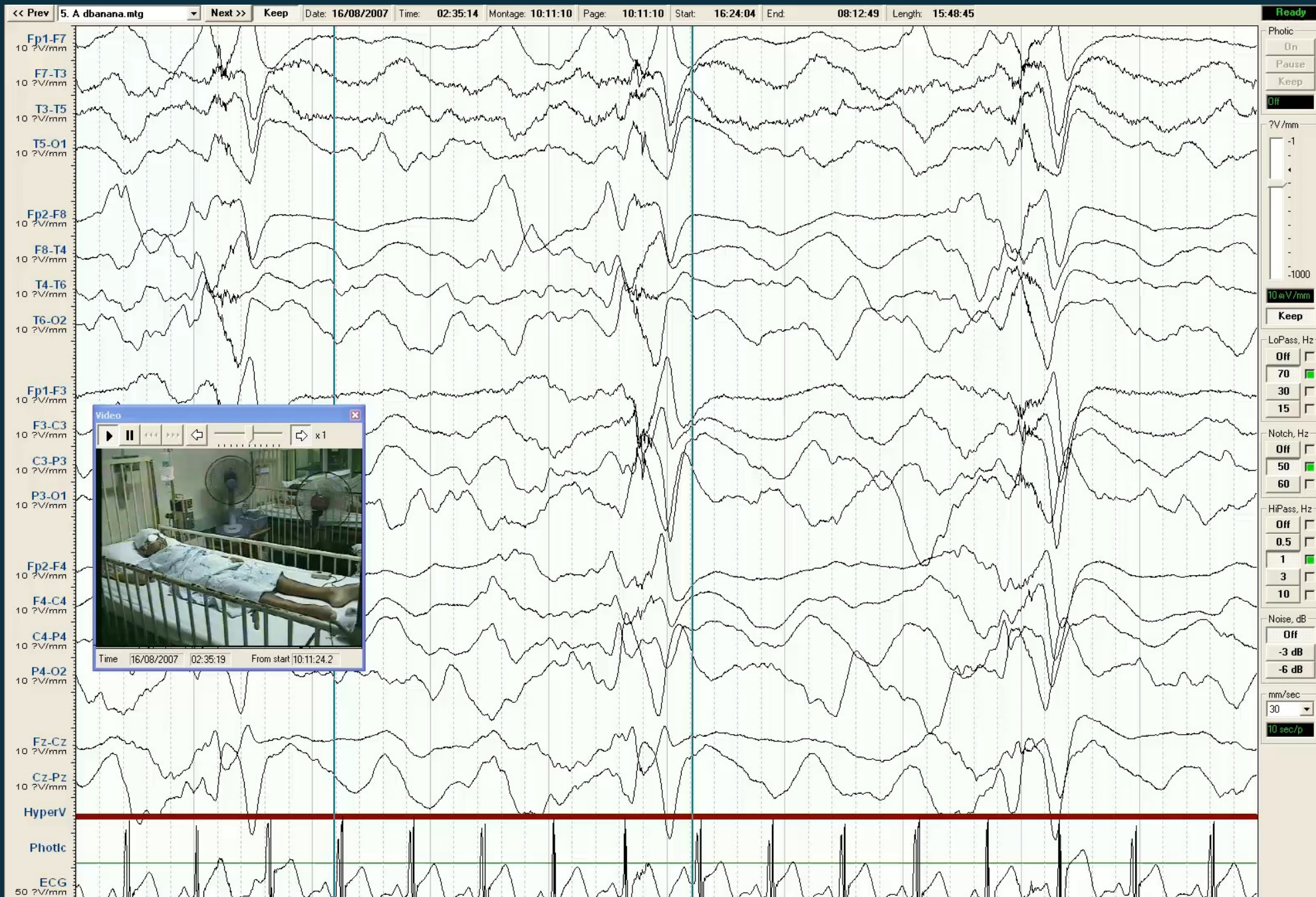
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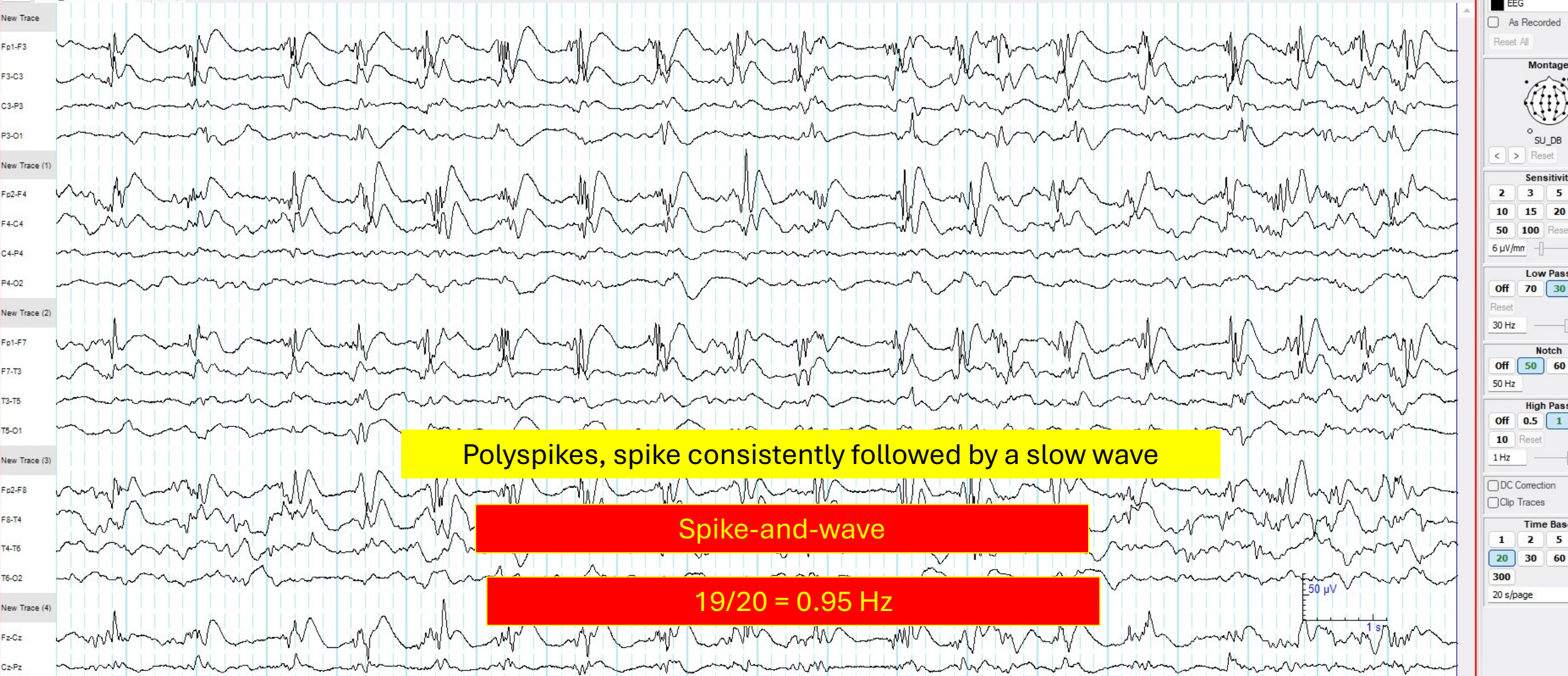
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Active Group

EEG

☐ As Recorded

Reset All

Montage

SU_DB

< > Reset

Sensitivity

2	3	5
10	15	20
50	100	Reset

6 µV/mm

Low Pass

Off 70 30

Reset

30 Hz

Notch

Off 50 60

50 Hz

High Pass

Off 0.5 1

10

Reset

1 Hz

☐ DC Correction

☐ Clip Traces

Time Base

1	2	5
20	30	60
300		

20 s/page

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