ACNS Standardized Critical Care EEG Terminology 2021 - Rhythmic or Periodic Patterns

The modifications to the American Clinical Neurophysiology Society Standardized Critical Care EEG Terminology guideline (2012) are now consolidated into a new 2021 version, containing multiple sections.

**RHYTHMIC OR PERIODIC PATTERNS (RPPs)**

**A. PREVALENCE**
- Rare: Occasional 0-1
- Frequent: 1-9
- Abundant: 10-49
- Continuous: ≥50

**B. DURATION**
- Very brief: ≤0.5 s
- Brief: 0.5-2.5 s
- Intermediate: 2.5-8 s
- Long: 8-50 s
- Very long: >50 s

**C. FREQUENCY**
- Frequent: <1 Hz
- Abundant: 1-9.9 Hz
- Continuous: ≥10 Hz

**D. PHASES**

**E. SHARPNESS**
- Spiky: >100 ms
- Sharp: 100-200 ms
- Sharply contoured: <100 ms
- Blunt: >200 ms

**F. VOLTAGE**
- Absolute: ≥200 μV
- Relative: ≥150 μV

**H. STIMULUS INDUCED OR STIMULUS TERMINATED**
- (A) Stimulus Induced (SI)
- (B) Stimulus Terminated (ST)
- (C) Spontaneous only
- (D) Unknown

**I. (A) EVOLVING**
- 1st change: 5 Hz to 3 Hz
- 2nd change: 3 Hz to 2 Hz

**I. (B) FLUCTUATING**
- 1st change: 4 Hz to 3 Hz
- 2nd change: 3 Hz to 4 Hz
- 3rd change: 4 Hz to 2 Hz

**I. (C) STATIC**
- +F
- +R
- +S
- +FR
- +FS

**J. PLUS**
- +F
- +R
- +S
- +FR
- +FS

REFER TO THE COMPLETE GUIDELINES TO KNOW MORE ABOUT:

- Sporadic epileptiform discharges
- Background EEG
- Electrographic and electroclinical seizures
- Brief potentially ictal rhythmic discharges
- Ictal-interictal continuum
- Extreme delta brush
- Identical bursts

American Clinical Neurophysiology Society’s Standardized Critical Care EEG Terminology: 2021 version

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