5 aEEG Patterns

- Normal (Term) 1 tracing
- Normal (Preterm) 1 tracing
- Abnormal 3 tracings
Identify the upper and lower margins

- Visually trace the portion of the aEEG that is solid.
Normal/Mature (For Term Infants)

Upper Margin ABOVE 10

Lower Margin ABOVE 5
Continuous Normal Activity.. But...

No alternation (cycling) of the band’s thickness
Continuous Normal Voltage + Alternating Cycles
Normal/Expected
(For Premature Infants)

Upper Margin ABOVE 10
Lower Margin BELOW 5
aEEG Maturational Features:
Lower Margin Increases & Defined Cycles Emerges

25 weeks

30 weeks

35 weeks

Olischar et al. Pediatrics, 2004; 113: e61-e66
Abnormal (Term)

- Mild-Moderate
  - Meets One Criteria for Normal
- Severe
  - Meets NO Criteria for Normal
Discontinuous Normal Voltage + No Visible Sleep Cycles
Burst Suppression = No baseline variability
Continuous Low Voltage
Flat/Inactive