THE TIP OF THE ICEBERG: NEONATAL SEIZURES

5 Minute Friday
July 11, 2014
OVERALL, 80 – 90 % OF NEONATAL SEIZURES ARE SUBCLINICAL
AFTER GIVING AED’S = 50% OF CLINICAL SEIZURES BECOME SUBCLINICAL
WHAT TO LOOK FOR ON aEEG:

- Sudden increase in both the upper and lower margins of the aEEG
- Narrowing of aEEG band
- “Archway” in the aEEG band
WHAT TO LOOK FOR ON EEG:

• Evolving, repetitive, rhythmic electrical discharges
• Repetitive wave pattern that continues for 10 seconds or more
• Have a distinct beginning, middle, and end – crescendo/decrescendo
• Evolve in voltage, frequency and even shape
• Seizures are super-imposed on top of the background pattern
Beginning of a seizures on L side
Slow, rhythmic pattern on Right
Slow, rhythmic pattern on Right
Rhythmic pattern on Left
Rhythmic pattern on Left
Rhythmic pattern on Right
Rhythmic pattern on Left
Rhythmic pattern on Left
Rhythmic pattern on Right & Left