Clinical Benefits of Ambulatory Video-EEG Monitoring

Case of the Month
56 Year-Old Woman
Periodic Blackouts

DigiTrace system and services will provide significant benefits in the diagnosis of your patients:

- Inconclusive routine EEGs
- Characterizing seizure types
- Capturing episodic events in which epilepsy is suspected
- Adjunct to inpatient monitoring
- Differentiating between neurological and cardiac related problems

Case of the Month
17 Year-Old Boy
Optimizing Treatment

Case of the Month
24 Year-Old Woman
Inconclusive EMU Stay

Case of the Month
21 Year-Old Boy
Non-Epileptic Seizures

Case of the Month
5 Year-Old Girl
with Staring Spells

DigiTrace
By SleepMed
Outpatient Video: Adjunct to a Truly Comprehensive Epilepsy Program

It is well accepted that many epileptic events are caused by environmental triggers in the home. DigiTrace pioneered outpatient video to capture the electrographic data without losing the clinical utility of video correlation. Outpatient video is an ideal component of any comprehensive epilepsy service.

DigiTrace is considered the preferred partner to meet this standard of care for outpatient EEG studies because of their high-end video capability and support for both physicians and patients.

DigiTrace optimizes outpatient EEGs:

- Video correlation of electrographic events is the gold standard in epilepsy monitoring
  - Ideal technology for capturing non-epileptic events
    - Enhanced patient convenience through synchronized video-EEG monitoring in the home setting
- Significant cost savings over inpatient monitoring
- Ideal for patients who would have difficulty being placed in an inpatient setting
- High frame rates and excellent video resolution means DigiTrace video studies may be equal to video quality in many inpatient settings
- Multiple day recording capabilities allows the patient to stay connected over a weekend or “until event occurs.”
- Ideal for patients not having events in the epilepsy unit
- Outpatient video is an adjunct to inpatient monitoring
The DigiTrace Video System was developed to address the interest expressed by epilepsy opinion leaders:


- “Outpatient LTM with video may be used successfully in patients experiencing daily paroxysmal events to provide diagnostic information that may assist with a definitive diagnosis, and may also help classify and select patients for presurgical evaluations.” W.O. Tatum, IV, “Long-Term EEG Monitoring; A Clinical Approach to Electrophysiology,” Journal of Clinical Neurophysiology, 2001; 18(5):442-55, p. 88.

- “The development of ambulatory, digital video-EEG monitoring can allow for diagnosis, seizure classification and even a preliminary presurgical screening for patients without access to inpatient monitoring. The diagnostic yield in our pediatric patients was particularly high.” H. Henninger et al, 2006 American Epilepsy Society Meeting, Washington, DC (poster session).


Why Partner with DigiTrace?

- DigiTrace is the leader in outpatient EEG monitoring conducting 25,000 EEG test days annually
- DigiTrace facilities meet Medicare Independent Diagnostic Testing Facility (IDTF) standards, including physician oversight by experts boarded in clinical neurophysiology
- DigiTrace provides training programs for physicians to enhance EEG interpretation skills
- Whenever needed, the DigiTrace National Reader Panel is available to conduct study interpretations
- DigiTrace maintains a 24/7 toll-free patient help line to answer questions and to assure patients during their outpatient studies
- DigiTrace equipment provides unsurpassed reliability so you get the study you ordered
- DigiTrace developed the first outpatient video system which now has video quality that complements inpatient capabilities