Clinical Policy: Video Electroencephalographic (VEEG) Monitoring

Reference Number: WA.CP.MP.177 Coding Implications
Last Review Date: 11/20 Revision Log

See Important Reminder at the end of this policy for important regulatory and legal information.

Description

Video electroencephalographic (VEEG) monitoring is the synchronous recording and display of EEG patterns and video-recorded clinical behavior. Short recordings up to 48 hours can be performed in an ambulatory and monitored setting in an EEG laboratory, while longer recordings of 48 hours or more are generally done in a hospital inpatient setting.

Policy/Criteria

I. It is the policy of Coordinated Care of Washington, Inc. and Coordinated Care Corporation, that *video encephalographic (VEEG) monitoring* performed in a monitored setting (observation or inpatient) is **medically necessary** for any of the following:
   A. Known seizure disorder, any of the following:
      1. Continued seizures despite antiepileptic medication and no concurrent seizure-provoking medications;
      2. Modification of anticonvulsant medication when outpatient observation is deemed unsafe;
      3. Suspected nocturnal seizures or nocturnal repetitive motor activity;
      4. Necessary determination of the nature and frequency of seizures when the patient has limited awareness of events or the behavioral manifestations are minimal;
   B. Suspected epileptic seizures, when single event EEG or ambulatory EEG monitoring is inconclusive;
   C. Suspected non-epileptic seizure (pseudoseizures, psychogenic nonepileptic seizures, or other recurring seizure-like behavior), all of the following:
      1. Recurrent symptoms are not obviously due to seizures;
      2. History or laboratory results are nondiagnostic for etiology of seizure;
      3. Routine EEG is nonspecific;
   D. Preoperative evaluation of patient undergoing epilepsy surgery or implantation of intracranial electrodes.

II. It the policy of Coordinated Care, that outpatient video encephalography (EEG) monitoring in the home is **not medically necessary.**

NOTE: Observation level care will be authorized for facility charges. If no activity is observed in the first 48 hours, inpatient level care may be authorized.

Background

VEEG is considered for differentiating epileptic seizures from nonepileptic seizures (physiologic or psychogenic). A psychogenic non-epileptic seizure is an event with short, non-stereotyped, frequent changes in behavior, movements, sensations or consciousness that resemble a seizure but are not associated with epileptiform activity. VEEG is considered the gold standard for

confirming the diagnosis of psychogenic non-epileptic seizure. It is also used to classify seizure type when the diagnosis is unclear or when seizures are refractory. In drug-resistant focal epilepsy it can localize, by means of surface and/or intracranial electrodes, a region of epileptogenic brain tissue that is the site of origin of recurrent seizures and that is amenable to surgical removal. VEEG is useful in children in whom clinical differentiation of seizures may be more difficult due to the inability to describe subjective symptoms.

The duration of recording depends on the indication for monitoring and the frequency of seizure occurrence. Classifying a rare event or recording multiple events, as required for a presurgical evaluation, usually requires longer recordings as compared to classifying a frequently occurring event, (i.e., seizure or nonepileptic seizure.) The likelihood of recording an event (and therefore making a diagnosis) increases with the duration of recording. Diagnostic efficacy requires the ability to record continuously until sufficient data are obtained.[2] Non-epileptic events, poorly characterized, or localized seizures will require provocation of seizures. A number of techniques can be used to provoke typical events including, but not limited to, sleep deprivation, hyperventilation, photic stimulation, and reducing or withdrawing anti-epileptic medication. Inpatient VEEG monitoring is necessary to maintain safety when reducing or withdrawing anti-epileptic medication.

During VEEG monitoring, the patient wears an EEG transmitter connected to a wall outlet by coaxial cable. Wall-mounted video cameras provide continuous behavioral observation. Both EEG and video signals are transmitted to a control room, where the EEG is reformatted and conducted to a video monitor. The EEG signal and video are displayed simultaneously for on-line observation, and both are recorded on videotape. The EEG may be recorded on paper or stored on optical disc.

Coding Implications

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CPT® Codes	Description
95711	Electroencephalogram with video (VEEG), review of data, technical description by EEG technologist, 2-12 hours; unmonitored
95712	Electroencephalogram with video (VEEG), review of data, technical description by EEG technologist, 2-12 hours; with intermittent monitoring and maintenance
95713	Electroencephalogram with video (VEEG), review of data, technical description by EEG technologist, 2-12 hours; with continuous, real-time monitoring and maintenance

CPT® Codes	Description
95714	Electroencephalogram with video (VEEG), review of data, technical description of EEG technologist, each increment of 12-26 hours; unmonitored
95715	Electroencephalogram with video (VEEG), review of data, technical description of EEG technologist, each increment of 12-26 hours; with intermittent monitoring and maintenance
95716	Electroencephalogram with video (VEEG), review of data, technical description of EEG technologist, each increment of 12-26 hours; with continuous, real-time monitoring and maintenance
95718	Electroencephalogram (EEG), continuous recording, physician or other qualified health care professional review of recorded events, analysis of spike and seizure detection, interpretation and report, 2-12 hours of EEG recording; with video (VEEG)
95720	Electroencephalogram (EEG), continuous recording, physician or other qualified health care professional review of recorded events, analysis of spike and seizure detection, each increment of greater than 12 hours, up to 26 hours of EEG recording, interpretation and report after each 24-hour period; with video (VEEG)
95722	Electroencephalogram (EEG), continuous recording, physician or other qualified health care professional review of recorded events, analysis of spike and seizure detection, interpretation, and summary report, complete study; greater than 36 hours, up to 60 hours of EEG recording, with video (VEEG)
95724	Electroencephalogram (EEG), continuous recording, physician or other qualified health care professional review of recorded events, analysis of spike and seizure detection, interpretation, and summary report, complete study; greater than 60 hours, up to 84 hours of EEG recording, with video (VEEG)
95726	Electroencephalogram (EEG), continuous recording, physician or other qualified health care professional review of recorded events, analysis of spike and seizure detection, interpretation, and summary report, complete study; greater than 84 hours of EEG recording, with video (VEEG)

ICD-10-CM Diagnosis Codes that Support Coverage Criteria

ICD-10-CM Code	Description
F44.5	Conversion disorder with seizures or convulsions
G40.001-G40.919	Epilepsy and recurrent seizures
P90	Convulsions of newborn
R25.0-R25.8	Abnormal involuntary movements
R56.1	Post traumatic seizures
R56.9	Unspecified convulsions

Reviews, Revisions, and Approvals	Date	Approval Date
Policy adopted	09/20	01/21
Added logo and corporate title for Ambetter from Coordinated Care Corporation	11/20	01/21

References

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Important Reminder

This clinical policy has been developed by appropriately experienced and licensed health care professionals based on a review and consideration of currently available generally accepted standards of medical practice; peer-reviewed medical literature; government agency/program approval status; evidence-based guidelines and positions of leading national health professional organizations; views of physicians practicing in relevant clinical areas affected by this clinical policy; and other available clinical information. The Health Plan makes no representations and accepts no liability with respect to the content of any external information used or relied upon in developing this clinical policy. This clinical policy is consistent with standards of medical

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This clinical policy is effective as of the date determined by the Health Plan. The date of posting may not be the effective date of this clinical policy. This clinical policy may be subject to applicable legal and regulatory requirements relating to provider notification. If there is a discrepancy between the effective date of this clinical policy and any applicable legal or regulatory requirement, the requirements of law and regulation shall govern. The Health Plan retains the right to change, amend or withdraw this clinical policy, and additional clinical policies may be developed and adopted as needed, at any time.

This clinical policy does not constitute medical advice, medical treatment or medical care. It is not intended to dictate to providers how to practice medicine. Providers are expected to exercise professional medical judgment in providing the most appropriate care, and are solely responsible for the medical advice and treatment of members. This clinical policy is not intended to recommend treatment for members. Members should consult with their treating physician in connection with diagnosis and treatment decisions.

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Note: For Medicaid members, when state Medicaid coverage provisions conflict with the coverage provisions in this clinical policy, state Medicaid coverage provisions take precedence. Please refer to the state Medicaid manual for any coverage provisions pertaining to this clinical policy.

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