

# Geisinger Health Plan Policies and Procedure Manual

Policy: MP309

**Section: Medical Benefit Policy** 

**Subject: Computerized Dynamic Posturography** 

# **Applicable Lines of Business**

Commercial	Χ	CHIP	Χ
Medicare	Χ	ACA	X
Medicaid	Х		

I. Policy: Computerized Dynamic Posturography

# II. Purpose/Objective:

To provide a policy of coverage regarding Computerized Dynamic Posturography

# III. Responsibility:

- A. Medical Directors
- B. Medical Management

# IV. Required Definitions

- 1. Attachment a supporting document that is developed and maintained by the policy writer or department requiring/authoring the policy.
- 2. Exhibit a supporting document developed and maintained in a department other than the department requiring/authoring the policy.
- 3. Devised the date the policy was implemented.
- 4. Revised the date of every revision to the policy, including typographical and grammatical changes.
- 5. Reviewed the date documenting the annual review if the policy has no revisions necessary.

# V. Additional Definitions

Medical Necessity or Medically Necessary means Covered Services rendered by a Health Care Provider that the Plan determines are:

- a. appropriate for the symptoms and diagnosis or treatment of the Member's condition, illness, disease or injury;
- b. provided for the diagnosis, and the direct care and treatment of the Member's condition, illness disease or injury:
- c. in accordance with current standards of good medical treatment practiced by the general medical community.
- d. not primarily for the convenience of the Member, or the Member's Health Care Provider; and
- e. the most appropriate source or level of service that can safely be provided to the Member. When applied to hospitalization, this further means that the Member requires acute care as an inpatient due to the nature of the services rendered or the Member's condition, and the Member cannot receive safe or adequate care as an outpatient.

# **Medicaid Business Segment**

Medically Necessary — A service, item, procedure, or level of care that is necessary for the proper treatment or management of an illness, injury, or disability is one that:

- Will, or is reasonably expected to, prevent the onset of an illness, condition, injury or disability.
- Will, or is reasonably expected to, reduce or ameliorate the physical, mental or developmental effects of an illness, condition, injury or disability.
- Will assist the Member to achieve or maintain maximum functional capacity in performing daily activities, taking

into account both the functional capacity of the Member and those functional capacities that are appropriate for Members of the same age

### **DESCRIPTION:**

Computerized dynamic posturography (CDP), (also known as dynamic posturography or moving platform posturography) uses an enclosed platform surrounded by a visual field to evaluate a person's functional ability to maintain balance. By manipulating the angle of the platform and/or altering the visual field, the device is proposed to assess the coordination of visual, vestibular, and somatosensory information as it relates to control of posture under controlled laboratory conditions.

### **EXCLUSIONS:**

There is a lack of well-designed, randomized controlled trials in the peer-reviewed medical literature that demonstrate the diagnostic utility or clinical utility of CDP compared with standard tests such as electronystagmography and rotational chair testing. Therefore it is consider to be Experimental, Investigational or Unproven, and **NOT COVERED.** 

Note: A complete description of the process by which a given technology or service is evaluated and determined to be experimental, investigational or unproven is outlined in MP 15 - Experimental Investigational or Unproven Services or Treatment.

# **Medicaid Business Segment:**

Any requests for services, that do not meet criteria set in the PARP, may be evaluated on a case by case basis.

## **CODING ASSOCIATED WITH:** Computerized Dynamic Posturography

The following codes are included below for informational purposes and may not be all inclusive. Inclusion of a procedure or device code(s) does not constitute or imply coverage nor does it imply or guarantee provider reimbursement. Coverage is determined by the member specific benefit plan document and any applicable laws regarding coverage of specific services.

- 92548 Computerized dynamic posturography sensory organization test (CDP-SOT), 6 conditions (i.e., eyes open, eyes\ closed, visual sway, platform sway, eyes closed platform sway, platform and visual sway), including interpretation and report
- 92549 Computerized dynamic posturography sensory organization test (CDP-SOT), 6 conditions (i.e., eyes open, eyes closed, visual sway, platform sway, eyes closed platform sway, platform and visual sway), including interpretation and report; with motor control test (MCT) and adaptation test (ADT)

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### LINE OF BUSINESS:

Eligibility and contract specific benefits, limitations and/or exclusions will apply. Coverage statements found in the line of business specific benefit document will supersede this policy. For Medicare, applicable LCD's and NCD's will supercede this policy For PA Medicaid Business segment, this policy applies as written.

### **REFERENCES:**

Fife TD, Tusa RJ, Furman JM, et al. Assessment: vestibular testing techniques in adults and children: report of the Therapeutics and Technology Assessment Subcommittee of the American Academy of Neurology. Neurology. 2000 Nov 28;55(10):1431-41.

Allum JHJ, Shepard NT. An overview of the clinical use of dynamic posturography in the differential diagnosis of balance disorders, Journal of Vestibular Research, 9: 223-252, 1999.

Visser JE, Oude Nijhuis LB, Janssen L, et al. Dynamic posturography in Parkinson's disease: diagnostic utility of the "first trial effect". Neuroscience. 2010;168(2):387-394.

Ferrazzoli D, Fasano A, Maestri R, et al. Balance dysfunction in Parkinson's disease: the role of posturography in developing a rehabilitation program. Parkinson's Dis. 2015;2015:520128.

Sataloff RT, Hawkshaw MJ, Mandel H, et al. Abnormal computerized dynamic posturography findings in dizzy patients with normal ENG results. Ear Nose Throat J. 2005 Apr;84(4):212-4.

Palm HG, Lang P, Strobel J, et al. Computerized dynamic posturography: the influence of platform stability on postural control. Am J Phys Med Rehabil. 2014 Jan:93(1):49-55.

Whitney SL, Marchetti GF, Schade AI. The relationship between falls history and computerized dynamic posturography in persons with balance and vestibular disorders. Arch Phys Med Rehabil. 2006;87(3):402-407.

Di Fabio RP. Sensitivity and specificity of platform posturography for identifying patients with vestibular dysfunction. Phys Ther. 1995 Apr;75(4):290-305.

Lim KB, Lee HJ. Computerized posturographic measurement in elderly women with unilateral knee osteoarthritis. Ann Rehabil Med. Oct 2012;36(5):618-626.

Alahmari KA, Marchetti GF, Sparto PJ, et al. Estimating postural control with the balance rehabilitation unit: measurement consistency, accuracy, validity, and comparison with dynamic posturography. Arch Phys Med Rehabil. Jan 2014;95(1):65-73.

Mirka A, Black FO. Clinical application of dynamic posturography for evaluating sensory integration and vestibular dysfunction. Neurology Clinical. 1990; 8(2): 351-359.

Pang MY, Lam FM, Wong GH, et al. Balance performance in head-shake computerized dynamic posturography: aging effects and test-retest reliability. Phys Ther. Feb 2011;91(2):246-253.

ECRI Institute Technology Assessment Custom Hotline Response, Dynamic Posturography to Diagnose Mobility Disorders, 12/13/04.

Buster TW, Chernyavskiy P, Harms NR, et al. Computerized dynamic posturography detects balance deficits in individuals with a history of chronic severe traumatic brain injury. Brain Inj. 2016;30(10):1249-55.

Ferrazzoli D, Fasano A, Maestri R, et al. Balance dysfunction in Parkinson's disease: the role of posturography in developing a rehabilitation program. Parkinsons Dis. 2015;2015:520128.

Hebert JR, Manago MM. Reliability and validity of the computerized dynamic posturography sensory organization test in people with multiple sclerosis. Int J MS Care. 2017 May-Jun;19(3):151-157

Hayes, Inc. Hayes Search and Summary. Computerized dynamic posturography (CDP) for diagnosis of vestibular disorders. September 2018. Updated Dec 7, 2022

Mallinson A, Kuijpers A, Van Zwieten, G et al. Computerized dynamic posturography does not detect measured CVEMP and OVEMP abnormalities. Gait & Posture 2019(67):248–250

Kamieniarz A, Michalska J, Marszałek W, et al. Detection of postural control in early Parkinson's disease: Clinical testing vs. modulation of center of pressure. PLoS One. 2021 Jan 12;16(1):e0245353.

This policy will be revised as necessary and reviewed no less than annually.

Devised: 7/16

Revised:

**Reviewed:** 6/17, 6/18, 6/19, 6/20, 6/21, 6/22, 6/23, 6/24

CMS UM Oversight Committee Approval: 12/23, 7/24

Geisinger Health Plan may refer collectively to health care coverage sponsors Geisinger Health Plan, Geisinger Quality Options, Inc., and Geisinger Indemnity Insurance Company, unless otherwise noted. Geisinger Health Plan is part of Geisinger, an integrated health care delivery and coverage organization.

Coverage for experimental or investigational treatments, services and procedures is specifically excluded under the member's certificate with Geisinger Health Plan. Unproven services outside of an approved clinical trial are also specifically excluded under the member's certificate with Geisinger Health Plan. This policy does not expand coverage to services or items specifically excluded from coverage in the member's certificate with Geisinger Health Plan. Additional information can be found in MP015 Experimental, Investigational or Unproven Services.

Prior authorization and/or pre-certification requirements for services or items may apply. Pre-certification lists may be found in the member's contract specific benefit document. Prior authorization requirements can be found at https://www.geisinger.org/health-plan/providers/ghp-clinical-policies

Please be advised that the use of the logos, service marks or names of Geisinger Health Plan, Geisinger Quality Options, Inc. and Geisinger Indemnity Insurance Company on a marketing, press releases or any communication piece regarding the contents of this medical policy is strictly prohibited without the prior written consent of Geisinger Health Plan. Additionally, the above medical policy does not confer any endorsement by Geisinger Health Plan, Geisinger Quality Options, Inc. and Geisinger Indemnity Insurance Company regarding the medical service, medical device or medical lab test described under this medical policy.