

POLICY – MPP 026 – Gait Analysis

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| Department/Team | Medical Management/Medical Payment Policy (MPP) |
| Approval By | HQUM |
| Approval Date | 09/27/2022 |
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| Line of Business | <input checked="" type="checkbox"/> Virginia Premier (Medicaid) <input checked="" type="checkbox"/> D-SNP |

PURPOSE

This policy outlines guidelines and criteria for coverage determination of gait analysis.

DESCRIPTION

Gait analysis is the systematic study of human walking using the eye and brain of human examiners, augmented with instrumentation for measuring body movements and body mechanics and the activity of the muscle. In individuals with conditions affecting their ability to walk, gait analysis can be used to make detailed diagnosis and to plan optimal treatment.

GUIDELINES/INSTRUCTIONS

This policy specifically addresses the use of gait analysis (motion analysis) as a quantitative laboratory tool in the assessment of coordinated muscle function. Results of this assessment can be used to describe complex abnormalities and patterns, which may help in predicting appropriate surgical therapies for patients with cerebral palsy.

POSITION:

Medically Necessary

Gait analysis is considered **medically necessary** in the preoperative assessment of individuals with cerebral palsy who have gait disorders; AND

The gait analysis results are necessary for surgical planning.

A computerized diagnostic device (e.g., Electrodynogram™, Vicon™) may be used for individuals who meet the medically necessary criteria listed above but **only** when used in conjunction with a *complete* gait analysis.

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Note: Gait or motion analysis studies are usually performed only once prior to planned surgery. They may be repeated once post operatively, if necessary.

Investigational and Not Medically Necessary

All other uses of gait analysis or motion analysis are considered **investigational and not medically necessary**.

All other uses of a computerized diagnostic device such as the Electrodynogram™ or Vicon™ are considered **investigational and not medically necessary**.

CODING

When services are Medically Necessary

CPT

- 96000 Comprehensive computer-based motion analysis by video-taping and 3-D kinematics
- 96001 Comprehensive computer-based motion analysis by video-taping and 3-D kinematics; with dynamic plantar pressure measurements during walking
- 96002 Dynamic surface electromyography, during walking or other functional activities, 1-12 muscles
- 96003 Dynamic fine wire electromyography, during walking or other functional activities, 1 muscle
- 96004 Physician review and interpretation of comprehensive computer based motion analysis, dynamic plantar pressure measurements, dynamic surface electromyography during walking or other functional activities, and dynamic fine wire electromyography, with written report

ICD-10 Diagnosis

G80.0-G80.9 Cerebral palsy

When services are Investigational and Not Medically Necessary

For the procedure codes listed above for all other diagnoses not listed; or when the code describes a procedure indicated in the Policy section as investigational and not medically necessary.

REFERENCES

Source of reference used in this policy include:

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| Related Documents |
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| Revision History | | |
|------------------|--------------------|---|
| Date | By | Description |
| 8/9/2019 | Dr. Tamar Springel | |
| 8/21/2020 | Dr. Tamar Springel | Annual review |
| 9/3/2021 | Dr. Tamar Springel | Annual review |
| 9/11/2022 | Dr. Tamar Springel | Annual review, post-operative analysis taken out of medical necessity |
| 11/16/2022 | Amy Ridolphi | Updates to the template |