EFFECTIVE DATE: 02|06|2010
POLICY LAST REVIEWED: 07|01|2026

OVERVIEW
Cardiointegram (CIG) is a technique intended to detect abnormalities in the standard 12-lead electrocardiogram in individuals at risk of cardiac ischemia.

This policy is applicable to Commercial Products only. For Medicare Advantage Plans, see Related Policies section.

MEDICAL CRITERIA
Not applicable

PRIOR AUTHORIZATION
Not applicable

POLICY STATEMENT
Commercial Products
Cardiointegram is not medically necessary as the evidence is insufficient to determine the effects of the technology on health outcomes.

COVERAGE
Benefits may vary between groups and contracts. Please refer to the appropriate section of the Benefit Booklet, Evidence of Coverage or Subscriber Agreement for applicable not medically necessary benefits/coverage.

BACKGROUND
A cardiointegram device consists of a microcomputer that receives output from a standard electrocardiogram (EKG) and transforms it to produce a graphic representation of heart electrophysiologic signals. This procedure may be used as a substitute for exercise tolerance testing with thallium imaging in patients for whom a resting EKG may be inadequate to identify changes compatible with coronary artery disease.

Cardiointegram, a technique intended to detect abnormalities in the standard 12-lead electrocardiogram that are not identifiable by competent routine interpretation in patients at risk of cardiac ischemia, is considered not medically necessary because there is insufficient evidence to support conclusions regarding its efficacy as a diagnostic tool.

CODING
Commercial Products
The following HCPCS code(s) is not medically necessary:
S9025 Omnicardiogram/cardiointegram

RELATED POLICIES
Medicare Advantage Plans National and Local Coverage Determinations

PUBLISHED
Provider Update, September 2026
Provider Update, May 2025
Provider Update, April 2024

Provider Update, May 2023
Provider Update, September 2022

REFERENCES

1. Centers for Medicare & Medicaid Services (CMS). NCD for cardiointegram (CIG) as an alternative to stress test or thallium stress test. CMS Manual System. Pub. 100-3. Medicare National Coverage, Chapter 1, Part 1, Section 20.27 Baltimore, MD: CMS; last modified April 23, 2009.
2. Gould LA, Betzu R, and et al. The resting cardiointegram: Correlation with stress thallium perfusion studies. Angiology, 1988; 39(4):375-80.
3. Health Care Financing Administration (HCFA) coverage Issues Manual Diagnostic Services. Section 50-47.
4. Nay P, Kannell WB, Castelli, McNamara PM. The omnicardiogram study of a proposed method for detecting coronary heart disease in an asymptomatic population. Circulation. 1975; 51: 462-466.
5. Teichholz LE, Steinmetz MY, et al. The cardiointegram: detection of coronary artery disease in males with chest pain and a normal resting electrocardiogram. J Electrocardiol. 1986; 19(3): 257-267.

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