

Fetal Magnetic Cardiac Signal

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Effective Date 2/2019
Next Review Date 6/15/2024
Coverage Policy Medical 297
Version 5

All requests for authorization for the services described by this medical policy will be reviewed per Early and Periodic Screening, Diagnostic and Treatment (EPSDT) guidelines. These services may be authorized under individual consideration for Medicaid members under the age of 21-years if the services are judged to be medically necessary to correct or ameliorate the member's condition. Department of Medical Assistance Services (DMAS), Supplement B - EPSDT (Early and Periodic Screening, Diagnosis and Treatment) Manual.*.

Purpose:

This policy addresses the medical necessity of Fetal Magnetic Cardiac Signal.

Description & Definitions:

Fetal magnetocardiography (fMCG) is a noninvasive way to record electrical activity of the fetal heart using magnetic fields.

Criteria:

Fetal magnetocardiography (fMCG) is considered **not medically necessary** for any indication.

Coding:

Medically necessary with criteria:

Coding	Description
	None

Considered Not Medically Necessary:

Coding	Description
93799	Unlisted cardiovascular service or procedure

0475T	Recording of fetal magnetic cardiac signal using at least 3 channels; patient recording and storage, data scanning with signal extraction, technical analysis and result, as well as supervision, review, and interpretation of report by a physician or other qualified health care professional (deleted 1/1/2023)
0476T	Recording of fetal magnetic cardiac signal using at least 3 channels; patient recording, data scanning, with raw electronic signal transfer of data and storage (deleted 1/1/2023)
0477T	Recording of fetal magnetic cardiac signal using at least 3 channels; (deleted 1/1/2023)
0478T	Recording of fetal magnetic cardiac signal using at least 3 channels; review, interpretation, report by physician or other qualified health care professional (deleted 1/1/2023)

U.S. Food and Drug Administration (FDA) - approved only products only.

Document History:

Revised Dates:

- N/A

Reviewed Dates:

- 2023: June
- 2022: June
- 2021: June
- 2020: July

Effective Date:

- February 2019

References:

Including but not limited to: Specialty Association Guidelines; Government Regulations; Winifred S. Hayes, Inc; UpToDate; Literature Review; Specialty Advisors; National Coverage Determination (NCD); Local Coverage Determination (LCD).

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(2023). Retrieved June 9, 2023, from CMS: [https://www.cms.gov/medicare-coverage-database/search-](https://www.cms.gov/medicare-coverage-database/search-results.aspx?keyword=fetal+magnetic+cardiac+signal&keywordType=starts&areald=all&docType=NCA,CAL,NCD,MEDCAC,TA,MCD,6,3,5,1,F,P&contractOption=all)

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Fetal arrhythmias. (2022, May 11). Retrieved June 9, 2023, from UpToDate: [https://www.uptodate.com/contents/fetal-](https://www.uptodate.com/contents/fetal-arrhythmias?search=Fetal%20magnetocardiography&source=search_result&selectedTitle=1~150&usage_type=default&display_rank=1)

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<https://www.dmas.virginia.gov/for-providers/rates-and-rate-setting/procedure-fee-files-cpt-codes/> &

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Contribution of Fetal Magnetocardiography to Diagnosis, Risk Assessment, and Treatment of Fetal Arrhythmia. (2022, Aug 2). Retrieved June 9, 2023, from American Heart Association (AHA): <https://www.ahajournals.org/doi/10.1161/JAHA.121.025224>

Low-Cost Fetal Magnetocardiography: A Comparison of Superconducting Quantum Interference Device and Optically Pumped Magnetometers. (2019, Aug). Retrieved May 8, 2022, from Journal of the American Heart Association: <https://www.ahajournals.org/doi/10.1161/JAHA.119.013436>

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Mobile Fetal Magnetocardiography. (2022, Apr 28). Retrieved May 11, 2022, from Sudden Arrhythmia Death Syndromes (SADS) Foundation: https://www.sads.org/?s=Fetal+magnetocardiography&et_pb_searchform_submit=et_search_process&et_pb_include_posts=yes&et_pb_include_pages=yes

Special Notes: *

This medical policy express Sentara Health Plan's determination of medically necessity of services, and they are based upon a review of currently available clinical information. These policies are used when no specific guidelines for coverage are provided by the Department of Medical Assistance Services of Virginia (DMAS). Medical Policies may be superseded by state Medicaid Plan guidelines. Medical policies are not a substitute for clinical judgment or for any prior authorization requirements of the health plan. These policies are not an explanation of benefits.

Medical policies can be highly technical and complex and are provided here for informational purposes. These medical policies are intended for use by health care professionals. The medical policies do not constitute medical advice or medical care. Treating health care professionals are solely responsible for diagnosis, treatment and medical advice. Sentara Health Plan members should discuss the information in the medical policies with their treating health care professionals. Medical technology is constantly evolving and these medical policies are subject to change without notice, although Sentara Health Plan will notify providers as required in advance of changes that could have a negative impact on benefits.

The Early and Periodic Screening, Diagnostic and Treatment (EPSDT) covers services, products, or procedures for children, if those items are determined to be medically necessary to "correct or ameliorate" (make better) a defect, physical or mental illness, or condition (health problem) identified through routine medical screening or examination, regardless of whether coverage for the same service or support is an optional or limited service under the state plan. Children enrolled in the FAMIS Program are not eligible for all EPSDT treatment services. All requests for authorization for the services described by this medical policy will be reviewed per EPSDT guidelines. These services may be authorized under individual consideration for Medicaid members under the age of 21-years if the services are judged to be medically necessary to correct or ameliorate the member's condition. *Department of Medical Assistance Services (DMAS), Supplement B - EPSDT (Early and Periodic Screening, Diagnosis and Treatment) Manual.*

Keywords:

SHP Fetal Magnetic Cardiac Signal, SHP Imaging 57, Fetal magnetocardiography, fMCG, electrical activity, fetal heart, magnetic fields