FIRST COAST SERVICE OPTIONS
MAC - PART A/B
LOCAL COVERAGE DETERMINATION

LCD Database ID Number

L33756

Contractor Name

First Coast Service Options, Inc.

Contractor Number

09101 - Florida
09201 – Puerto Rico/Virgin Islands
09102 – Florida
09202 – Puerto Rico
09302 – Virgin Islands

Contractor Type

MAC – Part A and B

LCD Title

Transesophageal Echocardiogram

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CMS National Coverage Policy

Language quoted from CMS National Coverage Determinations (NCDs) and coverage provisions in interpretive manuals are italicized throughout the Local Coverage Determination (LCD). NCDs and coverage provisions in interpretive manuals are not subject to the LCD Review Process (42 CFR 405.860[b] and 42 CFR 426 [Subpart D]). In addition, an administrative law judge may not review an NCD. See §1869(f)(1)(A)(i) of the Social Security Act.

Unless otherwise specified, italicized text represents quotation from one or more of the following CMS sources:

CMS Manual System, Pub 100-02, Medicare Benefit Policy, Chapter 15, Section 80
CMS Manual System, Pub 100-03, Medicare National Coverage, Chapter 1, Section 220.5
CMS Manual System, Pub. 100-04, Medicare Claims Processing, Chapter 4, Section 4 and 20.2
Primary Geographic Jurisdiction

Florida
Puerto Rico/Virgin Islands

Oversight Region

Region I

Original Determination Effective Date

10/01/2015

Original Determination Ending Date

N/A

Revision Effective Date

10/01/2016

Revision Ending Date

09/30/2016

Indications and Limitations of Coverage and/or Medical Necessity

Transesophageal Echocardiography (TEE) is a cardiac diagnostic procedure in which a modified endoscope, with an ultrasound transducer, is passed into the esophagus and/or stomach in order to obtain 2-D/3D echo images and spectral and color doppler information about the heart and its great vessels.

Transesophageal Echocardiography (TEE) imaging is a viable alternative when transthoracic imaging is problematic or difficult. In many instances, abnormalities can be displayed that are missed with standard diagnostic techniques, and the images displayed are often of superior quality because of the high-resolution probes that can be used.

Transesophageal echocardiogram will be considered medically necessary in any of the following circumstances (see Covered ICD-10-Codes):

- Examination of prosthetic heart valves, primarily mitral
- Arrhythmias – assessment of patients with certain cardiac arrhythmias [atrial fibrillation, atrial flutter] for which the results of the test will influence treatment decisions. TEE may complement transthoracic echocardiography particularly to assess for left atrial thrombus.
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- Detection of:
  - aortic dissection
  - atrial septal defect
  - congenital heart disease
  - embolism or thrombosis, primarily involving left atrium
  - intracardiac foreign bodies, tumors or masses
  - mitral valve regurgitation
  - vegetative endocarditis

- Intra-operative guide to left ventricular function

- Inadequacy of transthoracic echo due to:
  - chest wall deformity, COPD
  - open heart or chest surgery
  - chest trauma
  - obesity

Type of Bill Code

Hospital – 12x, 13x, 14x
Skilled Nursing Facility – 21x, 22x, 23x
Critical Access Hospital – 85x

Revenue Code

480 Cardiology, General Classification

CPT/HCPCS Codes

Part A

93312 Echocardiography, transesophageal, real time with image documentation (2D) (with or without M-mode recording); including probe placement, image acquisition, interpretation and report

93313 Echocardiography, transesophageal, real time with image documentation (2D) (with or without M-mode recording); placement of transesophageal probe only

93314 Echocardiography, transesophageal, real time with image documentation (2D) (with or without M-mode recording); image acquisition, interpretation and report only

93315 Transesophageal echocardiography for congenital cardiac anomalies; including probe placement, image acquisition, interpretation and report

93316 Transesophageal echocardiography for congenital cardiac anomalies; placement of transesophageal probe only

93317 Transesophageal echocardiography for congenital cardiac anomalies; image acquisition, interpretation and report only

93318 Echocardiography, transesophageal (TEE) for monitoring purposes, including probe placement, real time 2-dimensional image acquisition and interpretation leading to ongoing (continuous) assessment of
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(dynamically changing) cardiac pumping function and to therapeutic measures on an immediate time basis

93355  Echocardiography, transesophageal (TEE) for guidance of a transcatheter intracardiac or great vessel(s) structural interventions(s) (eg, TAVR, transcatheter pulmonary valve replacement, mitral valve repair, paravalvular regurgitation repair, left atrial appendage occlusion/closure, ventricular septal defect closure) (peri-and intra-procedural), real-time image acquisition and documentation, guidance with quantitative measurements, probe manipulation, interpretation, and report, including diagnostic transesophageal echocardiography and, when performed, administration of ultrasound contrast, Doppler, color flow, and 3D.

C8925  Transesophageal echocardiography (TEE) with contrast, or without contrast followed by with contrast, real time with image documentation (2D) (with or without M-Mode recording); including probe placement, image acquisition, interpretation and report

C8926  Transesophageal echocardiography (TEE) with contrast, or without contrast followed by with contrast, for congenital cardiac anomalies; including probe placement, image acquisition, interpretation and report

C8927  Transesophageal echocardiography (TEE) with contrast, or without contrast followed by with contrast, for monitoring purposes, including probe placement, real time 2-dimensional image acquisition and interpretation leading to ongoing (continuous) assessment of (dynamically changing) cardiac pumping function and to therapeutic measures on an immediate time basis

Part B

93312  Echocardiography, transesophageal, real time with image documentation (2D) (with or without M-mode recording); including probe placement, image acquisition, interpretation and report

93313  Echocardiography, transesophageal, real time with image documentation (2D) (with or without M-mode recording); placement of transesophageal probe only

93314  Echocardiography, transesophageal, real time with image documentation (2D) (with or without M-mode recording); image acquisition, interpretation and report only

93315  Transesophageal echocardiography for congenital cardiac anomalies; including probe placement, image acquisition, interpretation and report

93316  Transesophageal echocardiography for congenital cardiac anomalies; placement of transesophageal probe only

93317  Transesophageal echocardiography for congenital cardiac anomalies; image acquisition, interpretation and report only

93318  Echocardiography, transesophageal (TEE) for monitoring purposes, including probe placement, real time 2-dimensional image acquisition and interpretation leading to ongoing (continuous) assessment of (dynamically changing) cardiac pumping function and to therapeutic measures on an immediate time basis

93355  Echocardiography, transesophageal (TEE) for guidance of a transcatheter intracardiac or great vessel(s) structural interventions(s) (eg, TAVR, transcatheter pulmonary valve replacement, mitral valve repair, paravalvular regurgitation repair, left atrial appendage occlusion/closure, ventricular septal defect closure) (peri-and intra-procedural), real-time image acquisition and documentation, guidance with
quantitative measurements, probe manipulation, interpretation, and report, including diagnostic transesophageal echocardiography and, when performed, administration of ultrasound contrast, Doppler, color flow, and 3D.

ICD-10 Codes that Support Medical Necessity

A18.84  Tuberculosis of heart  
C38.0   Malignant neoplasm of heart  
C45.2   Mesothelioma of pericardium  
D15.1   Benign neoplasm of heart  
E66.01 - E66.9 Obesity due to excess calories  
I01.0 - I01.9 Rheumatic fever with heart involvement  
I05.0 - I09.1 Chronic rheumatic heart diseases  
I09.89  Other specified rheumatic heart diseases  
I20.0   Unstable angina  
I21.01 - I22.9 Ischemic heart diseases  
I23.1   Atrial septal defect as current complication following acute myocardial infarction  
I23.2   Ventricular septal defect as current complication following acute myocardial infarction  
I23.4   Rupture of chordae tendineae as current complication following acute myocardial infarction  
I23.5   Rupture of papillary muscle as current complication following acute myocardial infarction  
I24.0 - I24.9 Other acute ischemic heart diseases  
I25.10 - I25.119 Atherosclerotic heart disease of native coronary artery  
I25.700 - I25.812 Atherosclerosis of coronary artery bypass graft(s), unspecified, with angina pectoris  
I25.84   Coronary atherosclerosis due to calcified coronary lesion  
I26.01 - I26.99 Pulmonary embolism  
I31.0 - I31.9 Other diseases of pericardium  
I33.0   Other forms of heart disease  
I42.0 - I42.9 Cardiomyopathy  
I43     Cardiomyopathy in diseases classified elsewhere  
I48.0 - I48.92 Atrial fibrillation and flutter  
I51.0 - I51.2 Complications and ill-defined descriptions of heart disease  
I63.40 - I63.49 Cerebral infarction due to embolism of cerebral arteries  
I66.01 - I66.9 Occlusion and stenosis of cerebral arteries, not resulting in cerebral infarction  
I71.00 - I71.03 Dissection of aorta  
I74.01 - I74.9 Arterial embolism and thrombosis  
I82.220 - I82.221 Embolism and thrombosis of inferior vena cava  
I95.9   Hypotension, unspecified  
I97.0   Postcardiotomy syndrome  
J44.9   Chronic obstructive pulmonary disease, unspecified  
M32.11  Endocarditis in systemic lupus erythematosus  
M95.4   Acquired deformity of chest and rib  
M99.82  Other biomechanical lesions of thoracic region  
M99.88  Other biomechanical lesions of rib cage  
Q20.0 - Q25.29 Common arterial trunk – Other atresia of aorta  
Q25.5 - Q25.79 Congenital malformations of great arteries  
Q67.6 - Q67.8 Congenital musculoskeletal deformities of head, face, spine and chest  
R57.0 - R57.9 Shock, not elsewhere classified  
R65.21  Severe sepsis with septic shock  
S21.309A - S21.309S Unspecified open wound of unspecified front wall of thorax with penetration into thoracic cavity  
S26.00XA - S26.99XS Injury of heart  
T80.0XXA-T80.0XXS Air embolism following infusion, transfusion and therapeutic injection  
T81.718A-T81.718S Complication of other artery following a procedure, not elsewhere classified
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T81.72XA-T81.72XS  Complication of vein following a procedure, not elsewhere classified
T82.01XA - T82.09XS  Mechanical complication of heart valve prosthesis
T82.211A - T82.218S  Mechanical complication of coronary artery bypass graft
T82.6XXA-T82.817S  Complications of cardiac and vascular prosthetic devices, implants and grafts
T82.827A-T82.827S  Fibrosis due to cardiac prosthetic devices, implants and grafts
T82.837A-T82.837S  Hemorrhage due to cardiac prosthetic devices, implants and grafts
T82.847A-T82.847S  Pain due to cardiac prosthetic devices, implants and grafts
T82.857A-T82.857S  Stenosis of other cardiac prosthetic devices, implants and grafts
T82.867A-T82.867S  Thrombosis due to cardiac prosthetic devices, implants and grafts
T82.897A-T82.897S  Other specified complication of cardiac prosthetic devices, implants and grafts
T82.9XXA-T82.9XXS  Unspecified complication of cardiac and vascular prosthetic device, implant and graft
Z48.21*  Encounter for aftercare following heart transplant
Z48.280*  Encounter for aftercare following heart-lung transplant
Z94.1*  Heart transplant status
Z94.3*  Heart and lungs transplant status
Z95.2*  Presence of prosthetic heart valve
Z95.3*  Presence of xenogenic heart valve
Z95.4*  Presence of other heart-valve replacement

* Diagnosis codes Z48.21, Z48.280, Z94.1, Z94.3, Z95.2, Z95.3, and Z95.4 should not be billed as the primary diagnosis.

Diagnoses that Support Medical Necessity

N/A

ICD-10 Codes that DO NOT Support Medical Necessity

N/A

Diagnoses that DO NOT Support Medical Necessity

N/A

Associated Information

Documentation Requirements

Medical record documentation maintained by the ordering/referring physician must clearly indicate the medical necessity of transesophageal echocardiography studies. Also, the results of transesophageal echocardiography studies must be included in the patient's medical record. This information is normally found in the office/progress notes, hospital notes, and/or test results.

If the provider of transesophageal echocardiography studies is other than the ordering/referring physician, the provider of the service must maintain hard copy documentation of test results and interpretation, along with copies of the ordering/referring physician's order for the studies. When ordering transesophageal echocardiography studies, the ordering/referring physician must state the reason for the study in his order.

Utilization Guidelines

It is expected that these services would be performed as indicated by current medical literature and/or standards of practice. When services are performed in excess of established parameters, they may be subject to review for medical necessity.
Sources of Information and Basis for Decision

FCSO reference LCD number(s) – L29028, L29294, L29401


Start Date of Comment Period

N/A

End Date of Comment Period

N/A

Start Date of Notice Period

04/01/2014

Revision History

Revision History Number: R1

Revision Number: 1
Publication: October 2016 Connection
LCR A/B2016-097

Explanation of Revision: Based on CR 9677 (Annual 2017 ICD-10-CM Update) the LCD was revised. Revised diagnosis range Q20.0-Q25.2 to read Q20.0-Q25.29 and revised the descriptor. Deleted diagnosis code Q25.2. Revised descriptors for diagnosis code ranges T82.827A-T82.827S, T82.837A-T82.837S, T82.847A-T82.847S, T82.857A-T82.857S, T82.867A-T82.867S. The effective date of this revision is based on date of service.
Revision Number: Original

This LCD replaces all previous LCD versions (refer to “Sources of Information and Basis for Decision” section of the LCD) and publications on this subject to comply with ICD-10-CM based on Change Request 8112. The effective date of this LCD is based on date of service.

Related Documents

N/A

LCD Attachments

Coding Guidelines

Document formatted: 09/14/2016 (SW/et)