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Corporate Medical Policy

Implantable Cardioverter Defibrillator

File Name:implantable_cardioverter_defibrillatorOrigination:10/2012Last Review:06/2023

Description of Procedure or Service

The risk of ventricular arrhythmia and sudden cardiac death (SCD) may be significantly increased in individuals with various cardiac conditions such as ischemic cardiomyopathy, particularly when associated with reduced left ventricular ejection fraction (LVEF) and prior myocardial infarction; nonischemic dilated cardiomyopathy with reduced LVEF; hypertrophic cardiomyopathy and additional risk factors; congenital heart disease, particularly with recurrent syncope; and cardiac ion channelopathies.

Implantable cardioverter defibrillators (ICDs) monitor a patient's heart rate, recognize ventricular fibrillation (VF) or ventricular tachycardia (VT), and deliver an electric shock to terminate these arrhythmias to reduce the risk of sudden cardiac death (SCD). Indications for ICD placement can be broadly subdivided into 1) secondary prevention, i.e., use in patients who have experienced a potentially life-threatening episode of VT (near SCD); and 2) primary prevention, i.e., use in patients who are considered at high risk for SCD but who have not yet experienced life-threatening VT or VF.

The standard ICD placement surgery involves placement of a generator in the subcutaneous tissue of the chest wall. Transvenous leads are attached to the generator and threaded intravenously into the endocardium. The leads sense and transmit information on cardiac rhythm to the generator, which analyzes the rhythm information and produces an electrical shock when a malignant arrhythmia is recognized.

A subcutaneous ICD (S-ICD) has also been developed. This device does not employ transvenous leads, and thus avoids the need for venous access and complications associated with the insertion of venous leads. Rather, the S-ICD uses a subcutaneous electrode that is implanted adjacent to the left sternum. The electrodes sense the cardiac rhythm and deliver countershocks through the subcutaneous tissue of the chest wall.

Several automatic ICDs are approved by the U.S. Food and Drug Administration (FDA) through the premarket approval (PMA) process. The FDA-labeled indications generally include patients who have experienced life-threatening VT associated with cardiac arrest or VT associated with hemodynamic compromise and resistance to pharmacologic treatment. In addition, devices typically have approval in the secondary prevention setting in patients with a previous myocardial infarction (MI) and reduced injection fraction.

NOTE: ICDs may be combined with other pacing devices, such as pacemakers for atrial fibrillation, or biventricular pacemakers designed to treat congestive heart failure. This policy addresses ICDs alone, when used solely to treat patients at risk for ventricular arrhythmias.

Related Policies: Wearable Cardioverter Defibrillators Facility Billing Requirements

***Note: This Medical Policy is complex and technical. For questions concerning the technical language and/or specific clinical indications for its use, please consult your physician.

Policy

BCBSNC will provide coverage for implantable cardioverter defibrillators when it is determined to be medically necessary because the medical criteria and guidelines noted below are met.

Benefits Application

This medical policy relates only to the services or supplies described herein. Please refer to the Member's Benefit Booklet for availability of benefits. Member's benefits may vary according to benefit design; therefore member benefit language should be reviewed before applying the terms of this medical policy.

When Implantable Cardioverter Defibrillators are covered

The use of an automatic implantable cardioverter defibrillator (ICD) may be considered medically necessary **in adult individuals** who meet the following criteria:

Primary Prevention

- Ischemic cardiomyopathy with New York Heart Association (NYHA) functional Class II or Class III symptoms, a history of myocardial infarction at least 40 days before ICD treatment, and left ventricular ejection fraction of 35% or less; **OR**
- Ischemic cardiomyopathy with NYHA functional Class I symptoms, a history of myocardial infarction at least 40 days before ICD treatment, and left ventricular ejection fraction of 30% or less; **OR**
- Non-ischemic dilated cardiomyopathy and left ventricular ejection fraction of 35% or less, after reversible causes have been excluded, and the response to optimal medical therapy has been adequately determined; **OR**
- Hypertrophic cardiomyopathy (HCM) with 1 or more major risk factors for sudden cardiac death (history of premature HCM-related sudden death in 1 or more first-degree relatives younger than 50 years; left ventricular hypertrophy greater than 30 mm; 1 or more runs of non-sustained ventricular tachycardia at heart rates of 120 beats per minute or greater on 24-hour Holter monitoring; prior unexplained syncope inconsistent with neurocardiogenic origin) and judged to be at high risk for sudden cardiac death by a physician experienced in the care of individuals with HCM.
- Diagnosis of any one of the following cardiac ion channelopathies and considered to be at high risk for sudden cardiac death:
 - Congenital long QT syndrome: **OR**
 - Brugada syndrome; **OR**
 - Short QT syndrome; **OR**
 - Catecholaminergic polymorphic ventricular tachycardia.
- Diagnosis of cardiac sarcoid and considered to be at high risk for sudden cardiac death

Secondary Prevention

• Individuals with a history of life-threatening clinical event associated with ventricular arrhythmic events such as sustained ventricular tachyarrhythmia, after reversible causes (e.g., acute ischemia) have been excluded.

Pediatrics

The use of the ICD may be considered medically necessary **in children** who meet any of the following criteria:

- Survivors of cardiac arrest, after reversible causes have been excluded;
- Symptomatic, sustained ventricular tachycardia in association with congenital heart disease in individuals who have undergone hemodynamic and electrophysiologic evaluation; **OR**
- Congenital heart disease with recurrent syncope of undetermined origin in the presence of either ventricular dysfunction or inducible ventricular arrhythmias.
- Hypertrophic cardiomyopathy (HCM) with 1 or more major risk factors for sudden cardiac death (history of premature HCM-related sudden death in 1 or more first-degree relatives younger than 50 years; massive left ventricular hypertrophy based on age-specific norms; prior unexplained syncope inconsistent with neurocardiogenic origin) and judged to be at high risk for sudden cardiac death by a physician experienced in the care of individuals with HCM.
- Diagnosis of any one of the following cardiac ion channelopathies and considered to be at high risk for sudden cardiac death:
 - Congenital long QT syndrome: **OR**
 - Brugada syndrome; **OR**
 - Short QT syndrome; **OR**
 - Catecholaminergic polymorphic ventricular tachycardia.

Subcutaneous ICD

The use of a subcutaneous ICD may be considered medically necessary for adults or children who have an indication for ICD implantation for primary or secondary prevention for any of the above reasons and meet all of the following criteria:

- Have a contraindication to a transvenous ICD due to one or more of the following: (1) lack of adequate vascular access; (2) compelling reason to preserve existing vascular access (ie, need for chronic dialysis; younger individual with anticipated long-term need for ICD therapy); or (3)history of need for explantation of a transvenous ICD due to a complication, with ongoing need for ICD therapy.
- Have no indication for antibradycardia pacing or biventricular pacing/resyncronization therapy; **AND**
- Do not have ventricular arrhythmias that are known or anticipated to respond to antitachycardia pacing.

When Implantable Cardioverter Defibrillators are not covered

The use of the ICD is considered investigational in primary prevention individuals who:

- have had an acute myocardial infarction (i.e., less than 40 days before ICD treatment);
- have New York Heart Association (NYHA) Class IV congestive heart failure (unless individual is eligible to receive a combination of cardiac resynchronization therapy ICD device);
- have had a cardiac revascularization procedure in the past 3 months (CABG or PTCA) or are candidates for a cardiac revascularization procedure; **OR**
- have non-cardiac disease that would be associated with life expectancy less than 1 year.

The use of the ICD for secondary prevention is considered investigational for individuals who do not meet the criteria for secondary prevention.

The use of the ICD is considered investigational for all other indications in pediatric individuals, except as outlined above.

The use of a subcutaneous ICD is considered investigational for individuals who do not meet the criteria outlined above.

Policy Guidelines

The evidence for transvenous implantable cardioverter defibrillator (T-ICD) placement for primary prevention in individuals who have a high risk of sudden cardiac death (SCD) in adulthood due to ischemic or nonischemic cardiomyopathy (NICM), includes multiple well-designed, well-conducted randomized controlled trials (RCTs) and systematic reviews of these trials. Relevant outcomes are overall survival, morbid events, quality of life, and treatment-related morbidity and mortality. Multiple well-done RCTs have demonstrated a benefit in overall mortality for patients with ischemic cardiomyopathy and reduced ejection fraction. RCTs of early ICD implantation following recent MI did not support a benefit for immediate ICD implantation versus delayed implantation for at least 40 days. For non-ischemic cardiomyopathy (NICM), there is less clinical trial evidence available, but pooled estimates of available evidence from RCTs enrolling patients with NICM, and from subgroup analyses of RCTs with mixed populations, supports a survival benefit for this group. The evidence is sufficient to determine that the technology results in a meaningful improvement in the net health outcome.

The evidence for T-ICD placement for primary prevention in individuals who have a high risk of SCD in adulthood due to hypertrophic cardiomyopathy (HCM), includes several large registry studies. Relevant outcomes are overall survival, morbid events, quality of life, and treatment-related morbidity and mortality. In these studies, the annual rate of appropriate ICD discharge ranged from 3.6% to 5.3%. Given the long-term high risk of patients with HCM for SCD risk, with the assumption that appropriate shocks are life-saving, these studies are considered adequate evidence for the use of T-ICDs in patients with HCM. The evidence is sufficient to determine that the technology results in a meaningful improvement in the net health outcome.

The evidence for T-ICD placement for primary prevention in individuals who have a high risk of SCD due to an inherited cardiac ion channelopathy, includes small cohort studies of patients with these conditions treated with ICDs. Relevant outcomes are overall survival, morbid events, quality of life, and treatment-related morbidity and mortality. The limited available evidence for patients with long QT syndrome (LQTS), catecholaminergic polymorphic ventricular tachycardia (CPVT), and Brugada syndrome (BrS) reports high rates of appropriate shocks. No studies were identified on the use of ICDs for patients with short QT syndrome (SQTS). Studies comparing outcomes between patients treated and untreated with ICDs are not available. However, given the relatively small patient populations with these channelopathies and the high risk of cardiac arrhythmias, clinical trials are unlikely. Given the long-term high risk of SCD in patients with inherited cardiac ion channelopathy, with the assumption

that appropriate shocks are life-saving, these studies are considered adequate evidence for the use of T-ICDs in patients with inherited cardiac ion channelopathies. The evidence is sufficient to determine that the technology results in a meaningful improvement in the net health outcome.

The evidence for T-ICD placement for primary prevention in individuals who have a high risk of SCD due to cardiac sarcoid, includes small cohort studies of patients with cardiac sarcoid treated with ICDs who received appropriate shocks. Studies comparing outcomes between patients treated and untreated with ICDs are not available. However, given the relatively small number of individuals with cardiac sarcoid (5% of those with systemic sarcoiditis), clinical trials are unlikely. Given the long-term high-risk of SCD in patients with cardiac sarcoid, with assumption that appropriate shocks are life-saving, these studies are considered adequate evidence to support the use of T-ICDs in patients with cardiac sarcoid who have not responded to optimal medical therapy. The evidence is sufficient to determine that the technology results in a meaningfult improvement in the net health outcome.

The evidence for T-ICD placement in individuals who have had symptomatic life-threatening sustained VT/VF or have been resuscitated from sudden cardiac arrest (secondary prevention), includes multiple well-designed, well-conducted randomized controlled trials (RCTs) as well as systematic reviews of these trials. Relevant outcomes are overall survival, morbid events, quality of life, and treatment-related morbidity and mortality. Systematic reviews of RCTs have demonstrated a 25% reduction in mortality for ICD compared to medical therapy. Analysis of data from a large administrative database has confirmed that this mortality benefit is generalizable to the clinical setting. The evidence is sufficient to determine that the technology results in a meaningful improvement in the net health outcome.

The evidence for subcutaneous ICD (S-ICD) placement in individuals who need an ICD and have a contraindication to T-ICD but no indications for antibradycardia pacing and no antitachycardia pacing-responsive arrhythmias, includes an RCT, nonrandomized studies and case series. Relevant outcomes are overall survival, morbid events, quality of life, and treatment-related morbidity and mortality. An RCT found that S-ICD significantly decreases the risk of lead-related perioperative complications compared to T-ICD. However, this study was not powered to detect differences in the rates of failed shocks or inappropriate shocks and an extension study is ongoing. Nonrandomized controlled studies have reported success rates in terminating laboratory-induced VF that are similar to T-ICD. Case series have reported high rates of detection and successful conversion of VF, and inappropriate shock rates in the range reported for T-ICD. Given the need for ICD placement in this population at risk for SCD, with the assumption that appropriate shocks are life-saving, these rates are considered adequate evidence for the use of S-ICDs in patients with contraindication to T-ICD. The evidence is sufficient to determine that the technology results in a meaningful improvement in the net health outcome.

The evidence for subcutaneous ICD (S-ICD) placement in individuals who have indications for a ICD without contraindications to T-ICD, but no indications for antibradycardia pacing and no antitachycardia pacing-responsive arrhythmias, includes 1 RCT, nonrandomized studies and case series. Relevant outcomes are overall survival, morbid events, quality of life, and treatment-related morbidity and mortality. The Prospective, Randomized Comparison of Subcutaneous and Transvenous Implantable Cardioverter Defibrillator Therapy (PRAETORIAN) trial is the only RCT on the effect of an S-ICD with health outcomes. PRAETORIAN found that S-ICD was noninferior to T-ICD on a composite outcome of complications and inappropriate shock at 48 months (hazard ratio [HR], 0.99; 95% confidence interval [CI], 0.71 to 1.39; noninferiority margin, 1.45; p=.01 for noninferiority; p=.95 for superiority). There were more device related complications in the T-ICD group and more inappropriate shocks in the S-ICD group, but the trial was not powered for these endpoints. There is uncertainty over the applicability and interpretation of PRAETORIAN based on the choice of a composite outcome with discordant results, unclear rationale for choice of the noninferiority margin, inadequate length of follow-up to determine rates of complications, and lack of reporting of quality of life data. Comparative observational studies are insufficient to draw conclusions on whether there are small differences in efficacy between the 2 types of devices, and reported variable adverse event rates. Ongoing studies could provide additional evidence on complications and device safety over the longer

term. The evidence is insufficient to determine that the technology results in an improvement in the net health outcome.

Billing/Coding/Physician Documentation Information

This policy may apply to the following codes. Inclusion of a code in this section does not guarantee that it will be reimbursed. For further information on reimbursement guidelines, please see Administrative Policies on the Blue Cross Blue Shield of North Carolina web site at www.bcbsnc.com. They are listed in the Category Search on the Medical Policy search page.

Applicable codes: 0571T, 0572T, 0573T, 0574T, 0575T, 0576T, 0577T, 0578T, 0579T, 0580T, 0614T, 33216, 33217, 33218, 33220, 33223, 33230, 33231, 33240, 33241, 33262, 33263, 33264, 33243, 33244, 33249, 93260, 93261, 93644, C7537, C7538, C7539, C7540

BCBSNC may request medical records for determination of medical necessity. When medical records are requested, letters of support and/or explanation are often useful, but are not sufficient documentation unless all specific information needed to make a medical necessity determination is included.

Scientific Background and Reference Sources

Epstein AE DJ, Ellenbogen KA et al. ACC/AHA/HRS 2008 Guidelines for Device-Based Therapy of Cardiac Rhythm Abnormalities: a report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines (Writing Committee to Revise the ACC/AHA/NASPE 2002 Guideline Update for Implantation of Cardiac Pacemakers and Antiarrhythmia Devices): developed in collaboration with the American Association for Thoracic Surgery and Society of Thoracic Surgeons. Circulation 2008; 117(21):e350-408. Retrieved from http://www.guideline.gov/content.aspx?id=12590

Jessup M AW, Casey DE et al. 2009 focused update: ACCF/AHA Guidelines for the Diagnosis and Management of Heart Failure in Adults: a report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines: developed in collaboration with the International Society for Heart and Lung Transplantation. Circulation 2009; 119(14):1977-2016. Retrieved from http://circ.ahajournals.org/content/119/14/1977.full Lewandowski M SM, Maciag A et al. Long-term follow-up of children and young adults treated with implantable cardioverter-defibrillator: the authors' own experience with optimal implantable cardioverter-defibrillator programming. Europace 2010; 12(9):1245-50. Retrieved from http://europace.oxfordjournals.org/content/12/9/1245.long

Gersh BJ, Maron BJ, Bonow RO et al. 2011 ACCF/AHA guideline for the diagnosis and treatment of hypertrophic cardiomyopathy: a report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines. Circulation 2011; 124(24):e783-831. Retrieved from

http://circ.ahajournals.org/content/early/2011/11/07/CIR.0b013e318223e230.full.pdf

Goldenberg I, Gillespie J, Moss AJ, Hall WJ, Klein H, McNitt S, Brown MW, Cygankiewicz I, Zareba W; Executive Committee of the Multicenter Automatic Defibrillator Implantation Trial II. Long-term benefit of primary prevention with an implantable cardioverter-defibrillator: an extended 8-year follow-up study of the Multicenter Automatic Defibrillator Implantation Trial II. Circulation. 2010 Sep 28; 122(13):1265-71. Retrieved from http://circ.ahajournals.org/content/122/13/1265.long

Greenlee R, Smith D, Saczynski J, Reynolds K, Magid D, et al. CA1-05: Trial Evidence-based Inclusion and Exclusion Criteria for Primary Prevention Implantable Cardioverter Defibrillators in the Cardiovascular Research Network. Clin Med Res. 2012 Aug;10(3):153-4. Retrieved from http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3421409/

Bardy GH, Smith WM, Hood MA et al. An entirely subcutaneous implantable cardioverterdefibrillator. N Engl J Med 2010; 363(1):36-44. Retrieved from <u>http://www.nejm.org/doi/full/10.1056/NEJMoa0909545</u>

BCBSA Medical Policy Reference Manual [Electronic Version]. 7.01.44, 9/13/12

Medical Director review 9/2012

Specialty Matched Consultant Advisory Panel review 6/2013

Weiss R, Knight BP, Gold MR et al. Safety and Efficacy of a Totally Subcutaneous Implantable-Cardioverter Defibrillator. Circulation 2013; 128(9):944-53. http://circ.ahajournals.org/content/128/9/944.long

Kobe J, Reinke F, Meyer C et al. Implantation and follow-up of totally subcutaneous versus conventional implantable cardioverter-defibrillators: a multicenter case-control study. Heart Rhythm 2013; 10(1):29-36. http://www.heartrhythmjournal.com/article/S1547-5271(12)01185-X/fulltext

BCBSA Medical Policy Reference Manual 7.01.44, 10/10/13

BCBSA Medical Policy Reference Manual [Electronic Version]. 7.01.44, 3/13/14

Medical Director review 6/2014

Specialty Matched Consultant Advisory Panel review 6/2014

BCBSA Medical Policy Reference Manual [Electronic Version]. 7.01.44, 10/9/14

Specialty Matched Consultant Advisory Panel review 6/2015

Medical Director review 6/2015

BCBSA Medical Policy Reference Manual [Electronic Version]. 7.01.44, 10/15/15

Senior Medical Director review 11/2015

BCBSA Medical Policy Reference Manual [Electronic Version]. 7.01.44, 11/12/15

Burke MC, Gold MR, Knight BP, et al. Safety and efficacy of the totally subcutaneous implantable defibrillator: 2- year results from a pooled analysis of the IDE Study and EFFORTLESS Registry. J Am Coll Cardiol. Apr 28 2015;65(16):1605-1615. PMID 25908064

Olde Nordkamp LR, Postema PG, Knops RE, et al. Implantable cardioverter-defibrillator harm in young patients with inherited arrhythmia syndromes: A systematic review and meta-analysis of inappropriate shocks and complications. *Heart Rhythm.* Feb 2016;13(2):443-454. PMID 26385533

Providencia R, Kramer DB, Pimenta D, et al. Transvenous implantable cardioverter-defibrillator (ICD) lead performance: a meta-analysis of observational studies. *J Am Heart Assoc.* Nov 2015;4(11). PMID 26518666

Sterns LD, Meine M, Kurita T, et al. Extended detection time to reduce shocks is safe in secondary prevention patients: the secondary prevention sub-study of PainFree SST. *Heart Rhythm*. Mar 14 2016. PMID 26988379

Lambiase PD, Gold MR, Hood M, et al. Evaluation of subcutaneous ICD early performance in hypertrophic cardiomyopathy from the pooled EFFORTLESS and IDE cohorts. *Heart Rhythm*. 2016. PMID

Priori SG, Blomstrom-Lundqvist C, Mazzanti A, et al. 2015 ESC Guidelines for the management of patients with ventricular arrhythmias and the prevention of sudden cardiac death: The Task Force for the Management of Patients with Ventricular Arrhythmias and the Prevention of Sudden Cardiac Death of the European Society of Cardiology (ESC)Endorsed by: Association for European Paediatric and Congenital Cardiology (AEPC). *Eur Heart J.* Nov 1 2015;36(41):2793-2867. PMID 26320108

BCBSA Medical Policy Reference Manual [Electronic Version]. 7.01.44, 5/2016

Medical Director review 5/2016

Specialty Matched Consultant Advisory Panel review 6/2016

Medical Director review 6/2016

BCBSA Medical Policy Reference Manual [Electronic Version]. 7.01.44, 5/2017

Medical Director review 5/2017

Specialty Matched Consultant Advisory Panel review 6/2017

Medical Director review 6/2017

BCBSA Medical Policy Reference Manual [Electronic Version]. 7.01.44, 5/2018

Specialty Matched Consultant Advisory Panel review 6/2018

Medical Director review 6/2018

BCBSA Medical Policy Reference Manual [Electronic Version]. 7.01.44, 6/2019

Specialty Matched Consultant Advisory Panel review 6/2019

Medical Director review 6/2019

BCBSA Medical Policy Reference Manual [Electronic Version]. 7.01.44, 6/2020

Specialty Matched Consultant Advisory Panel review 6/2020

Medical Director review 6/2020

Specialty Matched Consultant Advisory Panel review 6/2021

Medical Director review 6/2021

Specialty Matched Consultant Advisory Panel review 6/2022

Medical Director review 6/2022

Knops RE, Olde Nordkamp LRA, Delnoy PHM, et al. Subcutaneous or Transvenous Defibrillator Therapy. N Engl J Med. Aug 06 2020; 383(6): 526-536.

Specialty Matched Consultant Advisory Panel review 6/2023

Medical Director review 6/2023

Policy Implementation/Update Information

10/01/12	New policy developed to separate information regarding Internal Cardioverter Defibrillators (ICD) from the External Defibrillator policy. BCBSNC will provide coverage for implantable cardioverter defibrillators when it is determined to be medically necessary because the medical criteria and guidelines are met. Medical Director review 9/2012. Policy notified on 10/1/2012 for effective date of 1/1/2013. (mco)
11/13/12	Revised information regarding the FDA approval for subcutaneous ICD. Policy effective date remains 1/1/2013. (mco)
7/16/13	Specialty Matched Consultant Advisory Panel 6/2013. Medical Director review 6/2013. (mco)
11/26/13	Description section updated. Policy Guidelines updated. References updated. (mco)
4/29/14	Revised "When Covered" section, under "Secondary Prevention" as follows: "Patients with a history of life-threatening clinical event associated with ventricular arrhythmic events such as sustained ventricular tachyarrhythmia, after reversible causes (e.g., acute ischemia) have been excluded . References updated. (mco)
7/15/14	Specialty Matched Consultant Advisory Panel 6/2014. Medical Director review 6/2014. No changes to Policy Statements. (mco)
11/11/14	References updated. Policy Guidelines section updated. No changes to Policy Statements. (td)
12/30/14	Deleted CPT codes 0319T, 0320T, 0321T, 0322T, 0323T, 0324T, 0325T, 0326T, 0327T, 0328T and added CPT codes 33271,33241, 33272, 33273, 93260, 93261, 93644 to the Billing/Coding section for effective date 1/1/2015. (td)
7/1/15	Description section updated to remove reference to an archived policy. (td)
10/1/15	Specialty Matched Consultant Advisory Panel review 6/24/15. Medical Director review. References updated. Policy intent unchanged. (td)
12/30/15	Description section updated. When Covered section updated to state "ICD medically necessary for patients with cardiac ion channelopathies with conditions; S-ICD medically necessary in limited situations". When Not Covered sections updated. Policy Guidelines section updated. References updated. Senior Medical Director review 11/2015. (td)

4/1/16 When Not Covered section further clarified with the addition of this statement, "The use of the ICD for secondary prevention is considered investigational for patients who do not meet the criteria for primary prevention. "References updated. (td)

- 7/26/16 Description section updated and minor update to Policy Guidelines. References updated. Specialty Matched Consultant Advisory Panel review 6/29/16. Medical Director review. (jd)
- 6/30/17 Description section updated. Policy Guidelines and references updated. Medical Director review. (jd)
- 7/28/17 Specialty Matched Consultant Advisory Panel review 6/2017. Medical Director review 6/2017. (jd)
- 7/27/18 Specialty Matched Consultant Advisory Panel review 6/2018. Medical Director review 6/2018. (jd)
- 7/1/19 Related Policies section and references updated. Specialty Matched Consultant Advisory Panel review 6/2019. Medical Director review 6/2019. (jd)
- 12/31/19 The following codes were removed from the Billing/Coding section effective 10/1/2019: 33270, 33271, 33272, 33273; and the following codes were added effective 1/1/2020. (jd)
- 1/14/20 Minor update for clarification to indicate the codes that became effective 1/1/20 that are within the Billing/Coding section: 0571T, 0572T, 0573T, 0574T, 0575T, 0576T, 0577T, 0578T, 0579T, 0580T. (jd)
- 7/21/2020 Added last bullet when meeting medically necessary criteria as follows: "Diagnosis of cardiac sarcoid and considered to be at high risk for sudden cardiac death." Policy guidelines updated. Added 0614T to the Billing/Coding section with effective date of 7/1/2020. References updated. Specialty Matched Consultant Advisory Panel review 6/2020. Medical Director review 6/2020. (jd)
- 7/1/21 Specialty Matched Consultant Advisory Panel review 6/2021. Medical Director review 6/2021. (jd)
- 5/31/22 The following reimbursement policy was added to Related Policies section: Facility Billing Requirements. (jd)
- 7/12/22 Specialty Matched Consultant Advisory Panel review 6/2022. Medical Director review 6/2022. (jd)
- 12/30/22 Updated Billing/Coding section to add C7537, C7538, C7539, C7540 effective 1/1/2023. Removed duplicate code 33240. (tm)
- 6/30/23 Description, Policy Guidelines and References updated. When Covered and Not Covered sections edited for clarity, no change to policy intent. Specialty Matched Consultant Advisory Panel review 6/2023. Medical Director review 6/2023. (tm)

Medical policy is not an authorization, certification, explanation of benefits or a contract. Benefits and eligibility are determined before medical guidelines and payment guidelines are applied. Benefits are determined by the group contract and subscriber certificate that is in effect at the time services are rendered. This document is solely provided for informational purposes only and is based on research of current medical literature and review of common medical practices in the treatment and diagnosis of disease. Medical practices and knowledge are constantly changing and BCBSNC reserves the right to review and revise its medical policies periodically.