

<b>Subject: CT Heart Calcium Scoring, (75571)</b>		<b>Original Effective Date:</b> <b>12/13/17</b>
<b>Policy Number:</b> MCR: 645	<b>Revision Date(s):</b>	
<b>Review Date:</b> 12/13/17, 12/13/18		

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*This Molina Clinical Review (MCR) is intended to facilitate the Utilization Management process. It expresses Molina's determination as to whether certain services or supplies are medically necessary, experimental, investigational, or cosmetic for purposes of determining appropriateness of payment. The conclusion that a particular service or supply is medically necessary does not constitute a representation or warranty that this service or supply is covered (i.e., will be paid for by Molina) for a particular member. The member's benefit plan determines coverage. Each benefit plan defines which services are covered, which are excluded, and which are subject to dollar caps or other limits. Members and their providers will need to consult the member's benefit plan to determine if there are any exclusion(s) or other benefit limitations applicable to this service or supply. If there is a discrepancy between this policy and a member's plan of benefits, the benefits plan will govern. In addition, coverage may be mandated by applicable legal requirements of a State, the Federal government or CMS for Medicare and Medicaid members. CMS's Coverage Database can be found on the CMS website. The coverage directive(s) and criteria from an existing National Coverage Determination (NCD) or Local Coverage Determination (LCD) will supersede the contents of this Molina Clinical Review (MCR) document and provide the directive for all Medicare members.*

#### DESCRIPTION OF PROCEDURE/SERVICE/PHARMACEUTICAL

MDCT (multi-detector CT) and EBCT (electron beam CT) are ultrafast scans that are each capable of obtaining images during a single heartbeat. EBCT does not spin the x-ray tube around the patient. MDCT or EBCT can be used for detection of calcium deposits in the coronary vessels.

#### APPROVAL SUPPORT

- This is considered investigational for all indications.

#### ADDITIONAL CRITICAL INFORMATION

The above medical necessity recommendations are used to determine the best diagnostic study based on a patient's specific clinical circumstances. The recommendations were developed using evidence based studies and current accepted clinical practices. Medical necessity will be determined using a combination of these recommendations as well as the patient's individual clinical or social circumstances.

- Tests that will not change treatment plans should not be recommended.
- Same or similar tests recently completed need a specific reason for repeat imaging.

## REFERENCES USED FOR DETERMINATIONS

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4. O'Malley PG, Feuerstein IM, Taylor AJ. Impact of electron beam tomography, with or without case management, on motivation, behavioral change, and cardiovascular risk profile: A randomized controlled trial. JAMA. 2003; 289(17):2215-2223.
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7. Pletcher MJ, Pignone M, Earnshaw S, et al. Circ Cardiovasc Qual Outcomes. 2014;7:276-84.
8. Grundy SM, et al. 2018 Cholesterol Clinical Practice Guidelines 2018  
AHA/ACC/AACVPR/AAPA/ABC/ACPM/ADA/AGS/APhA/ASPC/NLA/PCNA Guideline on the Management of Blood Cholesterol. 10 Nov 2018 Circulation.2018;0:CIR.0000000000000625
9. 2013 ACC/AHA Guideline on the Assessment of Cardiovascular Risk. A Report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines
10. Gupta A, Lau E, Varshney R, et al. The Identification of Calcified Coronary Plaque Is Associated With Initiation and Continuation of Pharmacological and Lifestyle Preventive Therapies: A Systematic Review and Meta-Analysis. JACC Cardiovasc Imaging 2017;10:833-42.
11. McClelland RL, Jorgensen NW, Budoff M, et al. 10-Year Coronary Heart Disease Risk Prediction Using Coronary Artery Calcium and Traditional Risk Factors: Derivation in the MESA (Multi-Ethnic Study of Atherosclerosis) With Validation in the HNR (Heinz Nixdorf Recall) Study and the DHS (Dallas Heart Study). J Am Coll Cardiol 2015;66:1643-53.

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	Description
75571	CT (Computed Tomography) Heart Calcium Scoring, without contrast