

표 1. 심장 핵심질문 8 근거표

핵심질문 8

문헌정보	연구유형	대상자 수	문헌 질 KCIG
Ahn J-H, Park JR, Min JH, et al. Risk stratification using computed tomography coronary angiography in patients undergoing intermediaterisk noncardiac surgery. J Am Coll Cardiol. 2013;61:661-8.	Observational study (retrospective)	239	4
Catalán P, Leta R, Hidalgo A, Montiel J, Alomar X, Viladés D, et al. Ruling out coronary artery disease with noninvasive coronary multidetector CT angiography before noncoronary cardiovascular surgery. Radiology 2011;258:426-434	Observational study (prospective)	161	4
Buffa V, De Cecco CN, Cossu L, Fedeli S, Vallone A, Ruopoli R, et al. Preoperative coronary risk assessment with dual-source CT in patients undergoing noncoronary cardiac surgery. Radiol Med 2010;115:1028-1037	Observational study (prospective)	100	4
Stagnaro N, Della Latta D, Chiappino D. Diagnostic accuracy of MDCT coronary angiography in patients referred for heart valve surgery. Radiol Med 2009;114:728-742	Observational study (prospective)	55	4
Shrivastava V, Vundavalli S, Mitchell L, Dunning J. Is cardiac computed tomography a reliable alternative to percutaneous coronary angiography for patients awaiting valve surgery? Interact Cardiovasc Thorac Surg 2007;6:105-109	Meta analysis	11 studies	3
Shrivastava V, Vundavalli S, Mitchell L, Dunning J. Is cardiac computed tomography a reliable alternative to percutaneous coronary angiography for patients awaiting valve surgery? Interact Cardiovasc Thorac Surg 2007;6:105-109		50	4
Pouleur AC, le Polain de Waroux JB, Kefer J, Pasquet A, Coche E, Vanoverschelde JL, et al. Usefulness of 40-slice multidetector row computed tomography to detect coronary disease in patients prior to cardiac valve surgery. Eur Radiol 2007;17:3199-3207	Observational study (prospective)	82	4
Reant P, Brunot S, Lafitte S, Serri K, Leroux L, Corneloup O, et al. Predictive value of noninvasive coronary angiography with multidetector computed tomography to detect significant coronary stenosis before valve surgery. Am J Cardiol 2006;97:1506-1510	Observational study (prospective)	40	4
Meijboom WB, Mollet NR, Van Mieghem CA, Kluin J, Weustink AC, Pugliese F, et al. Pre-operative computed tomography coronary angiography to detect significant coronary artery disease in patients referred for cardiac valve surgery. J Am Coll Cardiol 2006;48:1658-1665	Observational study (prospective)	145	4

Gilard M, Cornily JC, Pennec PY, Joret C, Le Gal G, Mansourati J, et al. Accuracy of multislice computed tomography in the preoperative assessment of coronary disease in patients scheduled for heart valve surgery		48	4
Bettencourt N, Rocha J, Carvalho M, Leite D, Toschke AM, Melica B, et al. Multislice computed tomography in the exclusion of coronary artery disease in patients with presurgical valve disease. Circ Cardiovasc Imaging 2009;2:306- 313		452	4
Vahanian A, Alfieri O, Andreotti F, Antunes MJ, Baron-Esquivias G, Baumgartner H et al. Guidelines on the management of valvular heart disease (version 2012): The Joint Task Force on the Management of Valvular Heart Disease of the European Society of Cardiology (ESC) and the European Association for Cardio-Thoracic Surgery (EACTS). Eur Heart J 2012;33:2451-2496	Guidelines		
2017 ESC/EACTS Guidelines for the management of valvular heart disease The Task Force for the Management of Valvular Heart Disease of the European Society of Cardiology (ESC) and the European Association for Cardio-Thoracic Surgery (EACTS)	Guidelines		

Recommendations on imaging stress testing before surgery in asymptomatic patients

Recommendations	Class ^a	Level ^b
Imaging stress testing is recommended before high-risk surgery in patients with more than two clinical risk factors and poor functional capacity (<4 METs). ^c	I	C
Imaging stress testing may be considered before high- or intermediate-risk surgery in patients with one or two clinical risk factors and poor functional capacity (<4 METs). ^c	IIb	C
Imaging stress testing is not recommended before low-risk surgery, regardless of the patient's clinical risk.	III	C