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Stable Ischemic Heart Disease

THE REVASCULARIZATION HEART TEAM APPROACH COMPLEMENTS APPROPRIATE USE CRITERIA FOR CORONARY REVASCULARIZATION

Poster Contributions

Hall C

Saturday, March 29, 2014, 3:45 p.m.-4:30 p.m.

Session Title: Stable Ischemic Heart Disease: Focus on Surgical Revascularization

Abstract Category: 26. Stable Ischemic Heart Disease: Therapy

Presentation Number: 1155-319

Authors: *Carlos E. Sanchez, Oscar Marroquin, Joon Lee, John Schindler, A. J. Smith, Catalin Toma, Sameer Khandhar, Suresh Mulukutla, University of Pittsburgh Medical Center, Pittsburgh, PA, USA*

Background: The ACCF/AHA/SCAI developed appropriate use criteria (AUC) for the performance of revascularization. Many patients with complex ischemic heart disease (IHD) whom revascularization is needed are not accounted for in the AUC. Professional societies also emphasize the value of a collaborative heart team approach in the treatment of patients with complex IHD. We set to evaluate the adherence of the heart team recommendations to AUC for coronary revascularization.

Methods: From May 2012 to July 2013, 226 consecutive patients with complex IHD underwent heart team review to discuss evidence based management. Heart team recommendations were adjudicated with the appropriateness for coronary revascularization using the most up to date AUC.

Results: 81% (183/226) of patients discussed in heart team meetings had PCI or CABG performed (Table). The mean SYNTAX score and STS-mortality risk for patients with uncertain indication was 28.1+4.9 and 6.3%+3.7 and for patients with inappropriate indications was 26.3+1.25 and 10.7%+6.4 respectively.

Conclusions: Among patients with complex IHD a substantial proportion (>50%) have uncertain or unrated indications for PCI. These patients often have complex IHD and high surgical risk for revascularization as illustrated by risk scores. In these conditions, the heart team approach should be considered to formulate revascularization strategies for individual patients and provide the proper validation for clinical decisions where the AUC are inadequate.

Adherence of the heart team to AUC for coronary revascularization by rated indication					
	Appropriate	Uncertain	Inappropriate	Not Rated	p value
Primary Indication for Coronary Revascularization	97.7% (177/183)	0.6% (1/183)	0% (0/183)	2.7% (5/183)	p < 0.001
AUC indication for PCI	44.4% (32/72)	27.8% (20/72)	4.2% (3/72)	23.6% (17/72)	p < 0.01
AUC indication for CABG	78.4% (87/111)	0% (0/111)	0% (0/111)	21.6% (24/111)	p < 0.001