



Intravascular Diagnostic Procedures and Imaging Techniques Versus Angiography Alone in Coronary Stenting: Future Research Needs: Future Research Needs Paper Number 25

By U. S. Department of Health and Human Services

Createspace. Paperback. Book Condition: New. This item is printed on demand. Paperback. 42 pages. Dimensions: 11.0in. x 8.5in. x 0.1in. Coronary artery disease (CAD), is a narrowing (stenosis) of one or more of the epicardial coronary arteries. It is most commonly due to the buildup of plaque (atherosclerosis), which impedes the ability of these blood vessels to deliver oxygenated blood to the heart muscle (myocardium). Revascularization of the stenotic vessel either by dilatation using a balloon (also known as angioplasty) or by using a bypass venous graft (also known as coronary bypass) are the most common methods to restore blood supply. Percutaneous coronary intervention (PCI) or angioplasty with stent deployment is currently the most commonly performed revascularization procedure for CAD. PCI has traditionally been based on qualitative and quantitative coronary angiography (visual inspection of the radiocontrast lumenogram and computer-based quantification, respectively), an imaging technique for visualizing the interior of blood vessels. While angiography is the standard technique for anatomic visualization of coronary arteries, it is not without limitations as it does not provide information about what is causing the narrowing or whether the narrowing seriously impedes blood flow. Several adjunctive intravascular diagnostic procedures

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