

Accepted Manuscript

Reconstruction of Coronary Arteries from X-ray Angiography: A Review

Serkan Çimen, Ali Gooya, Michael Grass, Alejandro F. Frangi

PII: S1361-8415(16)00022-0
DOI: [10.1016/j.media.2016.02.007](https://doi.org/10.1016/j.media.2016.02.007)
Reference: MEDIMA 1082



To appear in: *Medical Image Analysis*

Received date: 18 September 2015
Revised date: 29 January 2016
Accepted date: 22 February 2016

Please cite this article as: Serkan Çimen, Ali Gooya, Michael Grass, Alejandro F. Frangi, Reconstruction of Coronary Arteries from X-ray Angiography: A Review, *Medical Image Analysis* (2016), doi: [10.1016/j.media.2016.02.007](https://doi.org/10.1016/j.media.2016.02.007)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- We review the state-of-the-art approaches on reconstruction of high-contrast coronary arteries from X-ray angiography.
- We focus on the theoretical aspects of model-based (modelling) and tomographic reconstruction of coronary arteries from X-ray angiography.
- We review evaluation methods for coronary artery reconstruction algorithms.
- We discuss the potential role of reconstructions in clinical decision making and interventional guidance.
- We highlight areas for future research on reconstruction of coronary arteries from X-ray angiography.

Download English Version:

<https://daneshyari.com/en/article/6878158>

Download Persian Version:

<https://daneshyari.com/article/6878158>

[Daneshyari.com](https://daneshyari.com)