Virtual Coronary Cineangiography

Instructors user interface
The instructor selects the artery that is to be affected by stenosis. The artery is shown
on the screen, followed by the selection of a stenosis type and location. The stenosis
severity is defined by means of the stenosis and a factor. The two lengths
represent the actual length of the stenosis affected by stenosis and the effective
stenosis length, while the factor represents the artery diameter reduction.

Students user interface
The student searches the simulated artery image for features that enable them to make a
judgement about a possible stenosis. They aim to identify the stenosis and compare
its apparent severity. In the following discussion, the instructor and the student
analyze the case by inspecting the full three-dimensional view.

Use-case
Flow chart diagram describing the medical student use-case scenario.