README MEASURE OF FIBERS AND FIBROTIC TISSUE AREAS

This is a MATLAB approach for the image processing of aortic valves developed for a Navarra Biomed study in aortic insufficiency.

Aortic valves were histologically processed by immunochemistry. The samples were stained with Sirius red, so tissue will appear in red-purple colors, while background will be white. This same stained samples were analyzed with polarizing light showing in green colors the thin fibers of the valve, in contrast with, thick fibers which are presented in yellow-red colors.

Here you'll find two folders, each one for the different light approaches. Each of the folders is accompanied by a README that explains in detail the scripts and the implementation process.

This approach was successfully used for the purpose.

For any question or trouble, you can contact: iclemente.1@alumni.unav.es or/and cbetbese@alumni.unav.es