

# COMPUTER AIDED ANALYSIS OF MUSCLE BIOPSIES

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## SUMMARY

In this project the basic principles of image analysis are described.

Image data was captured using an Image Acquisition card. However there was no satisfactory information by the card manufacturer how image files are saved. Features of the image acquisition card as well as a list of its functions are presented.

A software package was developed which features algorithms for two dimensional Fourier transform and sharpening.

Due to the problem faced with the image acquisition card and due to the delay of receiving the camera microscope coupling it was not possible to capture images of muscle biopsies. Thus computer generated images were used. Simulation results will be discussed.

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