

Fig. 5. Connective tissue indices  $CI_H$  for the analyzed DMD and normal muscle tissue images.

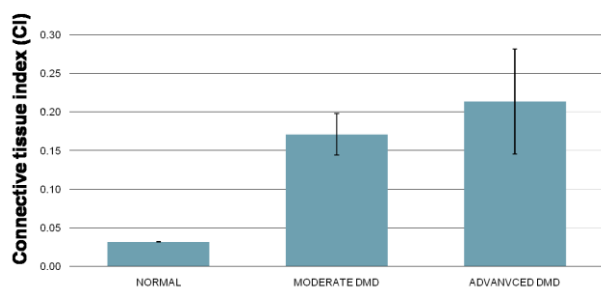


Fig. 6. Connective tissue indices  $CI_C$  for the analyzed DMD and normal muscle tissue images.

## 4 Conclusions

CFPP method is simple and not time consuming. The method allows to distinguish DMD from normal muscle tissue, as well as potentially gives a possibility to evaluate the severity of DMD. The method is dedicated to DMD microscopic images, but its general principle is applicable to other histological images.

Presented results are promising and further research are planned on a large data set, including microscopy images from different types of dystrophy. Moreover, initial step assessing the quality of analyzed microscopy images is foreseen to be implemented for CFPP method.

CFPP method is simple and not time consuming.

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