

The aim of this thesis was comparing of a several immunofluorescence methods and substrates for detection endomysial antibodies (EmA). The common method (Anti-Endomysium antibodies AEA) is used by UKLBD in VFN and by the some samples gives ambiguous results owing to another autoantibodies (e.g. ANA, AMA, ASMA). The common method was compared with another sets (IFA-EmA-IgA – AEMAk 03a-10, ImmuGlo anti Endomysial Antipody EMA IFA Kit). Another aim of the work was how to work with this method and be able to evaluate samples by the fluorescence microscope. (...) This thesis brought me a lot of valuable experiences in laboratory and also taught me how to evaluate endomysium antibodies by indirect immunofluorescence method.