

Review of: "Case Report: Urinary Proteomic Analysis of Exercise-Induced Rhabdomyolysis with Acute Kidney Injury"

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Potential competing interests: No potential competing interests to declare.

The study describes the in-depth analysis of biomarkers in urine in a case study of exercise-induced rhabdomyolysis with acute kidney injury and the possible linkage to a high-risk polygenic profile of the person involved. In that sense, the investigation is of interest and adequate. Combined with state-of-the-art methodology, it provides novel detailed insights for those who are interested.

The manuscript is generally well-constructed in a descriptive way, as one might expect for a case study. Because of the in-depth analysis, the manuscript itself contains a lot of detailed information. In order to guarantee the anonymization of the patient, the name of the group, including the abbreviation and number of the military, has no scientific and added value at all in this study, even if the number is a study-specific number and not a military number.

The number of applied abbreviations, especially for proteins, is significant, as is common in proteomics. Obviously, the use of abbreviations has a specific function and should be applied consistently. In the abstract, most of the protein abbreviations defined have no function within the abstract itself. Moreover, in the manuscript, abbreviations deserve more attention and at least should be applied with some more consistency. Sometimes abbreviations in the text itself are defined, occasionally even twice (CKM, MB, CA1, etc.), sometimes not all (DEFA3, HABP2, etc.), or inconsistently (IBP7 and IGFBP7). In contrast to that, and regarding figures and tables, the abbreviations are well defined. Reference in the text itself to figures also has a function and is lacking for figure 1D and is wrong for Figures 3A, 3B, and 3C. Figure 3E is missing, or the reference is wrong. All these issues do not improve clarity.