**CREATINE KINASE ELEVATION IN COVID-19 PATIENTS ON STATIN *Osamah AL-KILIDAR, Volkan EYÜPOĞLU, Mahmood KHUDHAIR***

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ABSTRACT

Recent studies have related the safety of statin drugs in COVID-19 patients, and its anti-inflammatory effect could reduce the severity of the infection and accelerate the recovery; while some case reports refer to rhabdomyolysis occurrence in COVID-19 patients, it's interesting that some of them were on statin therapy, this serious symptom considered an advanced adverse effect of statin drugs, in this study, we investigate the statin effect on creatine kinase in140 patients, our cohort divided to four groups; 35 infected with Coronavirus on-statin, 35 infected not on statin, 35 not infected on-statin and 35 healthy Individuals as control, abbreviated to (A, B, C, and D) respectively, to compare their outcomes with each other. As a result, we can imply that statin has a highly significant effect on the CK, the p-value at 0.002 and, in group A the Rhabdomyolysis was reported in two patients versus one case in group B.

***Keywords:*** *Covid-19, Rhabdomyolysis, Statin, Creatine kinase.*

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