STATINS – A NEW OPTION FOR THE ANTIVIRAL TREATMENT?
PRELIMINARY STUDY

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Abstract: Statins, which are typically used as anti-cholesterol medication, can inhibit the replication of the hepatitis C virus. The anti-HCV activity is not related with cytotoxicity; they inhibit the replication of HCV RNA via inhibition of HMG-CoA reductase which leads to reduction of intracellular mevalonate and consequently to reduction of geranyl-geranyl pyrophosphate. HCV RNA replication needs some geranyl-geranylated proteins which need the geranyl-geranyl pyrophosphate of the host cell. The objective of this prospective study was to sustain the antiviral effect of statins.

Key words: Statins, antiviral effect, C viral hepatitis.