

September 23, 2020

## CERTIFICATE

I Daniel Vargas Santana, PhD, full professor in the General Hospital of Mexico, certifies that the statistical analysis conducted on the article entitled: "Production and Activity of Metalloproteinases during Liver Fibrosis Progression of Chronic Hepatitis C patients "was performed maintaining the high standard requirements in the field of biostatistics.

I confirm that I have read the fully manuscript and, in my opinion, and expertise the statistical methods are appropriated for the research

Please contact me if you require additional information or any queries

Sincerely,



Angel Daniel Santana-Vargas, PhD,

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Research Department

Validated studies of applied statistics in the Instituto de Investigaciones en Matemáticas Aplicadas y Sistemas (IIMAS), Universidad Nacional Autónoma de México