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Observational Study

1 Novel non-invasive biological predictive index for liver fibrosis in hepatitis C virus genotype 4 patients

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Abstract

Aim: To investigate the diagnostic ability of a non-invasive biological marker to predict liver fibrosis in hepatitis C genotype 4 patients with high accuracy.

Patients and Methods: A cohort of 332 patients infected with hepatitis C genotype 4 was included in this cross-sectional study. Fasting plasma glucose, insulin, C-peptide, and angiotensin-converting enzyme (ACE) serum levels were measured. Insulin resistance was mathematically calculated using the homeostasis model of insulin resistance (HOMA-IR).

Results: Fibrosis stages were distributed based on Metavir score as follows: F0= 43, F1=

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