Supplementary file

Estimation of serum biochemical parameters

The serum biochemical parameters viz, ALT, AST, total cholesterol and triglycerides were estimated using a semiautomatic blood analyzer (M/S Hopitex, Italy) with ready-to-use diagnostic kits from M/S Agappe Diagnostics Ltd, India.

Thiobarbituric acid reactive substances (TBARS) assay

The level of TBARS in liver tissue homogenate was determined by the method of Aguilar et al. (11). 8.1 % (w/v) sodium dodecyl sulfate (SDS) solution, 3.5 M sodium acetate buffer (pH = 4), diluted glacial acetic acid, 6.5 M NaOH solution, 0.8 % aqueous solution of thiobarbituric acid (adjusted to pH = 4), and malondialdehyde bis (dimethyl acetal) standard was required for the procedure. Read absorbances at 532 nm. Subtract the average absorbance reading of the blank samples from all other absorbance readings. Created a standard curve by plotting the blank-subtracted absorbance readings at 532 nm vs. the known concentration of each standard. Fitted the data points using linear regression. Calculated unknown sample concentrations by using the equation of the linear regression line obtained from the standard curve.

Histopathology

Representative samples of liver were collected in 10 % neutral buffered formalin (NBF). The paraffin-embedded tissues were sectioned and stained with hematoxylin and eosin as per the technique followed in a previous study and were examined under the light microscope (12).