Representative liver histology with HE staining of liver tissue after 80% PH after 4 hours (A, B), 24 hours (C, D) and 48 hours (E, F). There were no differences in liver injury in terlipressin treated animals (B, D, F) and controls (A, C, E). But over time there was an increase of steatotic changes and cell ballooning and minimal regenerative enlargement of hepatocytes with a maximum after 24 hours without differences depending on treatment of the animals (600x magnification).
Representative liver histology with reticulin (Ag) staining of liver tissue after 80% PH after 4 hours (A, B), 24 hours (C, D) and 48 hours (E, F). There were no differences in liver injury or histological endothelial alterations in terlipressin treated animals (B, D, F) and controls (A, C, E). Over time there was an increase of steatotic changes, cell ballooning and minimal regenerative enlargement of zone 2 hepatocytes and nuclei (circles) with a maximum after 24 hours without differences depending on treatment of the animals (200x magnification).
Assessment of cellular stress. Expression of IL-6 (A), p21 (B) and GADD45 (C) were measured at specific time points (30 minutes, 8 hours, 24 hours and 48 hours) post extended PH in hepatic tissues at mRNA levels. Significant differences are indicated.
Representative liver histology with immunohistochemical staining for CD31 of liver tissue after 80% PH after 4 hours (A, B), 24 hours (C, D) and 48 hours (E, F). There were no differences between the groups (200x magnification).
Representative liver histology with Sudan black staining in lean (A) and steatotic (HFD) (B) mice reflecting the fat content in the cells. Portal venous pressure (C) and hydroxyproline content of the liver (D) as marker for liver fibrosis. Mean, bars=SD, Student’s t-test. Histological examination with HE staining of liver tissue in control animals (E) and steatotic (HFD) mice (F) showing no morphological changes of the liver structure, but cellular ballooning with inflammatory infiltrations in the steatotic liver (20x magnification).