Supplemental figures

Sepsis induced endothelial dysfunction drives acute-on-chronic liver failure via Angiopoietin-2-HGF-C/EBPβ pathway Elias et al

Figure S1. Mice (male and female) were treated with TAA (200mg/L in the drinking water) and subjected to cecal ligation and puncture (CLP) or sham surgery.
A. Mortality in mice at 24 and 48 hours. B. INR in the four groups of female mice
Figure S2. Mice (male and female) were treated with TAA (200mg/L in the drinking water) and subjected to cecal ligation and puncture (CLP) or sham surgery.
Representative images of H&E staining
Figure S3. Relative mRNA levels at 24 hours in four groups of mice *, P<0.05, **, P<0.01
Figure S4 Ingenuity pathway analysis for each of the pairwise comparisons.
Figure S5 Ingenuity pathway analysis for each of the pairwise comparisons.
Figure S6. Gene expression in ACLF and control cirrhosis (GSE139602). *, P<0.05.
Figure S7. Western blot analysis of ANG-2 and HGF protein levels in human samples.

В Mortality Α 100% 90% 80% 70% 60% 50% 40% 30% 20% 10% 0% 1.6-3 1.4-10 16 8 INR 12 16 1.2-6 1.0-0.8-2 CHP 24M TRAICHP 24M CLP LET LET shan shan 🗖 died survived

INR

CLP ASHAM TAACLP

÷

sham

•



H&E











G

CLP/TAA







Neovascularization of organ Proliferation of embryonic cells Uptake of lipid Delayed hypersensitive reacti... Cell viability of embryonic cel... Hydroxylation of fatty acid Response of myeloid leukocyt... Synthesis of prostaglandin Nervous system neoplasm Binding of myeloid cells Cognition Cell viability of breast cancer ... Adhesion of epithelial cell lin... Invasion of carcinoma cell lin... Recruitment of mononuclear I... Migration of endothelial cells Phagocytosis by macrophages Hyperplasia of spleen Cell death of breast cancer c... Acute respiratory disorder Recruitment of granulocytes Migration of myeloid cells Engulfment of cells Internalization of cells Response of myeloid cells Phagocytosis of phagocytes Chemotaxis of neutrophils Quantity of mast cells Metabolism of protein Growth of genital organ Cell viability of fibroblast cell ... Migration of neutrophils Quantity of carcinoma Development of head Immune response of leukocvt..





GSE139602

Cirrhosis

ACLF

ullet

•

