Biomarkers associated with Hepatotropic Viral Infection

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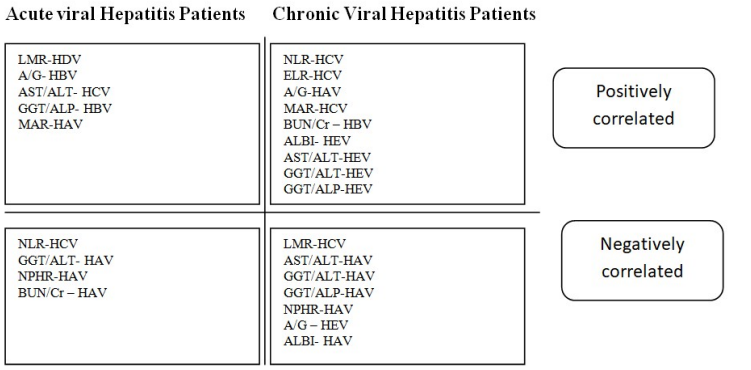
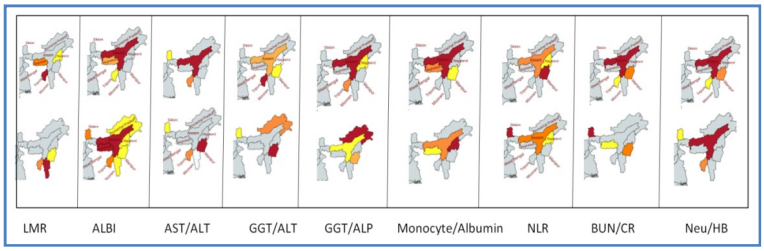
Derived from Hospital Data



In acute viral hepatitis patients (**marker-virus**), LMR-HDV; A/G-HBV; AST/ALT-HCV; GGT/ALP-HBV, MAR-HAV were positively correlated and NLR-HCV; GGT/ALT-HAV; NPHR-HAV, BUN/cr-HAV were negatively correlated. In Chronic viral hepatitis patients, NLR-HCV, ELR-HCV; A/G-HAV; MAR-HCV; BUN/cr- HBV; ALBI-HEV; AST/ALT-HEV; GGT/ALT- HEV; GGT/ALP-HEV were positively correlated and LMR-HCV; AST/ALT-HAV; GGT/ALT-HAV; GGT/ALP-HAV; NPHR-HAV; A/G-HEV; ALBI-HAV were negatively correlated



NER States of India with highest three rankings in inflammatory serological biomarker. The state with highest value to lowest value is shaded in red>orange>yellow (top row – CH patients and bottom row AVH patients). AVH-Acute Viral Hepatitis; CH-Chronic Hepatitis; ALF-Acute Liver Failure; LC-Liver Cirrhosis; HCC-Hepatocellular carcinoma; LMR – Lymphocyte/monocyte ratio; ALBI- albumin-bilirubin; AST/ALT- Aspartate transferase / alanine transferase; GGT / ALT- Glutamyl transferase / alanine transferase; NLR – Neutrophil / Lymphocyte ratio; BUN/Cr – Urea / Creatinine ; Neu /Hb -Neutrophil / Haemoglobin; MAR – Monocyte to albumin ratio; NPHR – Neutorphil to Haemoglobin ratio

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Derived from Antenatal Data: aMAP score in cord blood positive samples was 33.96(+/- 10.54) and 27.52 (+/-10.11) in cord blood negative samples with p.value significance (<0.05). The ALBI score was-2.29(+/-0.67) in cord blood positive samples and-3.09(+/- 0.91) in cord blood negative samples with p.value significance (<0.05).