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## LIST OF ABBREVIATIONS

<b>AA</b>	Acute Appendicitis
<b>Ab</b>	Antibody.
<b>ACE</b>	Angiotensin-converting enzyme
<b>ALP</b>	Alkaline phosphatase.
<b>ALT</b>	Alanine transeferase.
<b>AUC</b>	Area Under Curve.
<b>AST</b>	Aspartate transferase.
<b>B Cell</b>	Bone marrow cell.
<b>B-adrenergic</b>	Beta -adrenergic
<b>BT</b>	Bacterial Translocation
<b>C3</b>	Complement 3
<b>CARD15</b>	Caspase recruitment domain-containing protein 15.
<b>CBC</b>	Complete blood count.
<b>CGI</b>	Chronic Gastrointestinal Ischemia
<b>CO2</b>	Carbon di- oxide
<b>CRP</b>	C-reactive protein.
<b>CT</b>	Computed Tomography.
<b>Creat</b>	Creatinine.
<b>CTLs</b>	Cytotoxic T lymphocytes.
<b>DAO</b>	Diamine oxidase.
<b>DC</b>	Dendritic Cells.
<b>D-lactate</b>	Dextro form of lactic acid.
<b>DNA</b>	Deoxyribonucleic acid.
<b>ET-1</b>	Endothelin-1
<b>ELISA</b>	Enzyme linked immunosorbant assay
<b>Endo Cab</b>	Endotoxin- core antibody
<b>ESLD</b>	End stage liver disease.
<b>FABP</b>	Fatty Acid Binding Protein.
<b>FHVP</b>	Free Hepatic Venous Pressure
<b>GALT</b>	Gut-associated lymphoid tissue
<b>GI</b>	Gastrointestinal
<b>GFR</b>	Glomerular filtration rate
<b>CGRP</b>	Calcitonin gene-related peptide
<b>GGT</b>	Gamma glutamyl transpeptidase.
<b>GST</b>	Glutathione S-Transferases.
<b>Hb</b>	Hemoglobin.
<b>HCC</b>	Hepatocellular carcinoma.
<b>HCV</b>	Hepatitis C virus.
<b>HIV</b>	Human immunodeficiency virus.
<b>HLA</b>	Human leucocytic antigen.

<b>HRS</b>	Hepatorenal syndrome.
<b>HVPG</b>	Hepatic Venous Pressure Gradient
<b>I-BABP</b>	Ileal-Bile Acid Binding Protein.
<b>I-FABP</b>	Intestinal Fatty Acid Binding Protein.
<b>IgA</b>	Immunoglobulin A.
<b>IBD</b>	Inflammatory bowel disease
<b>IgG</b>	Immunoglobulin G.
<b>IgM</b>	Immunoglobulin M.
<b>IL</b>	Interleukin.
<b>INR</b>	International normalized ratio.
<b>IU</b>	International unit.
<b>KDa</b>	Kilo Dalton.
<b>LAL</b>	Limulus Amoebocyte Lysate.
<b>LDH</b>	Lactate Dehydrogenase.
<b>LEERS</b>	.Leukocyte Esterase Reagent Strips.
<b>L-FABP</b>	Liver- Fatty Acid Binding Protein.
<b>L-LDH</b>	L-lactate dehydrogenase.
<b>LPS</b>	Lipopolysaccharide.
<b>M-cells</b>	Mast cells.
<b>Max</b>	Maximum.
<b>MDP</b>	Muramyl dipeptide.
<b>MDCs</b>	Mature dendritic cells.
<b>MELD</b>	Model for end-stage liver disease
<b>Min</b>	Minimum.
<b>MLN</b>	Mesenteric lymph nodes
<b>NAFLD</b>	Non alcoholic fatty liver disease.
<b>NEC</b>	Necrotizing Enterocolitis.
<b>NK</b>	Natural killer.
<b>NOD2</b>	Nucleotide-binding oligomerization domain-containing protein 2
<b>NO</b>	Nitric oxide.
<b>NOS</b>	Nitric oxide synthetase.
<b>NPV</b>	Negative predictive value
<b>NSBB</b>	Non selective B-blockers
<b>OLT</b>	Orthotopic Liver Transplantation
<b>P</b>	Pearson correlation
<b>p CO<sub>2</sub></b>	Carbon di- oxide pressure
<b>PCR</b>	Polymerase chain reaction.
<b>PEG</b>	Poly-ethylene-glycol.
<b>PLT</b>	Platelets.
<b>PMN</b>	polymorphonuclear cells
<b>PPI</b>	proton pump inhibitors
<b>PPV</b>	positive predictive value
<b>PRRs</b>	Pattern recognition receptors

<b>PT</b>	Prothrombin time.
<b>RAAS</b>	Renin-angiotensin-aldosterone system
<b>RBF</b>	Renal blood flow
<b>RES</b>	Reticulo endothelial system
<b>RNA</b>	Ribonucleic acid.
<b>Rpm</b>	Revolutions per minute.
<b>ROC curves</b>	Receiver operating characteristic curves
<b>SBP</b>	Spontaneous bacterial peritonitis
<b>SD</b>	Standard of deviation
<b>SIBO</b>	Small intestinal bacterial overgrowth.
<b>SPSS</b>	Statistical package for the social sciences.
<b>SNS</b>	Sympathetic nervous system.
<b>T Cell</b>	Thymus cells
<b>TJ</b>	Tight junctions
<b>TLR</b>	Toll-like receptor
<b>UC</b>	Ulcerative Colitis
<b>UTIs</b>	Urinary tract infections
<b>WBC</b>	White blood count.
<b>WHVP</b>	Wedged Hepatic Venous Pressure
<b>ZO</b>	Zonula occludin proteins