Name RAKHI MAIWALL

Currently working as Additional Professor of Hepatology at the Institute of Liver and Biliary Sciences. She has 99 publications and has special interest in critical care hepatology, AKI in liver disease, liver regeneration and artificial liver support therapies.

Academic Qualifications

S No	Degre e	Subject	Class CGP marks	Year	University	Additional Particulars
1	MBBS	NA	1st	2002	KANPUR	GOLD MEDAL
2	MD	INTERNAL MEDICINE	NA	2007	KGMU, LUCKNOW	GOLD MEDAL
3	DM	GASTRO- ENTEROLO GY	1st	2011	MGR, UNIVERSITY	

Awards and Achievements

- Plenary award at ISGCON 2016 on paper entitled "Cystatin C predicts Acute Kidney Injury and Mortality in Cirrhotics"
- Passed MBBS with three gold medals
- Gold medal in Biochemistry subject in MBBS 1st Professional exam.
- Gold medal for securing highest aggregate marks in MBBS IInd Professional exam
- Gold medal in Pathology.
- Won Deeptanshu Vedant Gupta award in UPICON, 2006 Quiz competition.
- Gold medal in MD Medicine.
- Won 2nd prize in Poster/Paper titled celiac disease is associated with NCIPH/Cryptogenic CLD in our population at INASL session of ISGCON, 2010.
- Received award for best plenary paper ISGCON 2012, Jaipur
- Received award for best presidential poster ISGCON 2012
- First prize in plenary session of ISGCON 2014, Mumbai
- Completed certificate course in critical care by American Heart Association

- "Hepatology 360" runner up award for oral presentation in clinical research
- AASLD Career Research Development Award 2018
- Best of ILC abstract 2018 (Amongst the Top six abstracts) "Therapeutic Plasma-Exchange Improves Systemic Inflammation and Survival in patients with Acute on Chronic Liver Failure"
- Best Poster EASL: Determinants of clinical efficacy of empirical antibiotic treatment in patients with cirrhosis and bacterial infections: Results from the ICA Global study
- Poster of Distinction "Dynamic AARC-AKI score determines Extrarenal Organ Failures and Bacterial Infection in patients with Acute on Chronic Liver Failure"
- Best of AASLD abstract 2018(Top six abstracts in section on portal hypertension and comlications of cirrhosis) "Early vs. Late Sustained Low Efficiency Dialysis in Critically ill cirrhotics with septic shock- Interim analysis of a Randomized Controlled trial
- Invited as faculty to Baylor College of Medicine to conduct the transplant grand rounds and inspire the students how to persue clinical research

Year 2014:

Delivered lecture on "Challenges in advanced cirrhotics -AKI" in ISGCON 2014 Mumbai

Year 2015:Lectures Delivered

- AKI in ACLF" in International Conference of Ascites-Asian Ascites Club- PGIMER Chandigarh
- "NSBB and PPI in advanced cirrhosis: Recommendations in clinical practice" –
 International Ascites Club-APASL, Istanbul 2015
- "Non-Cirrhotic Portal Fibrosis/Idiopathic Portal Hypertension"- Hepatology Course Bucharest, EASL monothematic conference, Romania
- Viral Hepatitis B and HCC-Risk Estimation and use of calculators- APASL school of Hepatology-ILBS, New Delhi
- "Infections in Liver Failure" Indian National Association for the study of Liver, 2015 New Delhi
- Dannis Ella Stent- Acute variceal bleed-Endoscopy Pathshala, ILBS, New Delhi
- "Microrna in liver disease
 Indian National Association for the study of Liver, ISGCON 2015 Indore
- "Albumin as a drug in the management of SBP, ascites, AKI, Recurrent HE"- APASL single theme conference, New Delhi

Year 2016:Lectures Delivered

- Renal Replacement Therapy in Decompensated Cirrhotics –International Ascites Club-APASL, Tokyo 2016
- "Acute Kidney Injury"-APASL, Tokyo 2016
- Newer Anti-fibrotic Drugs-Indian National Association for the study of Liver ,2016
 Gurgaon
- "Clinician's expectation from the pathologist in autoimmune liver diseases"5th Dr. Ramalingaswamy Oration and Hepatopathology meeting, ILBS, New Delhi
- "Acute Kidney Injury-Definitions, Types and Diagnosis"- ISGCON, 2016, New Delhi
- "Acute Kidney Injury- Hepatologist's perspective"-CPLD, Chandigarh
- "Artificial Liver Support and Bioengineering Platforms as innovative tools"
- Kolkata Liver Meeting
- "Non-Invasive Methods of Hepatic Fibrosis-How It Has Changed the Practise of Hepatology"-Frontiers in Liver Transplantation, Bangalore
- Natural History of Stage 3 AKI-APASL Tokyo
- Management of refractory variceal bleed with Dannis Ella stent in patients with ACLF-APDW, Japan
- Incidence, Predictors and Outcomes of Transition of Acute Kidney Injury to Chronic Kidney Disease in patients with Cirrhosis-AASLD, Boston Posters
- Incidence, Predictors and Outcome of Acute kidney injury in patients with noscomial SBP-EASL, Barcelona
- 4 Posters in AASLD
- Plenary paper presentation in ISGCON "Cystatin C predicts Acute Kidney Injury and Mortality in patients with Cirrhosis

2017- Lectures delivered

- Human Albumin Structure Functions and Therapeutic Role in Cirrhosis— International Ascites Club-APASL, Shanghai 2017
- "Immunomodulation in Liver Failure"-APASL, Shanghai 2017
 Management of AKI- beyond HRS- INASL, New Delhi 2017

Management of Hyponatremia- Special Interest Group-Ascites, INASL,New Delhi 2017

Plasmapheresis in Liver disorders-Expanding Indications? Endothelium in Liver Diseases", CMC Vellore 2017

Plasma-Exchange in Liver Failure-Can it change prognosis? Critically ill liver patient at Frontiers in Liver disease, Aster Integrated Liver Care, Kochi Kerala

Chronic Hepatitis B-Therapeutic Options and Challenges, Kanpur 2

Chairperson/Panelist in various National Meetings

Papers presented

Oral papers

- Acute Kidney Injury In Critically III Cirrhotics With Severe Sepsis And Septic Shock Has Major Influence On Organ Failures And Outcomes- A Single Center Prospective Study, APASL, Shanghai 2017
- Incidence, Predictors and Outcomes of Transition of Acute Kidney Injury to Chronic Kidney Disease in patients with Cirrhosis-ISGCON Plenary
- Degree of Hepatic and Systemic Hemodynamic Alterations Predicts Development of AKI and Mortality in Patients with Cirrhosis, AASLD, Washington 2017
- Neutrophil-Gelatinase-Associated Lipocalin and Cystatin C predict AKI Progression and Transition to Chronic kidney disease in Critically III Cirrhotics, AASLD, Washington 2017
- Posters:
- Assessment of Presence and Dynamic evolution of Organ Failures during Early Intensive Management by MERCIC model can guide inappropriate 'Futile Care' in the first week in Critically III Cirrhotics, ESCIM, Vienna
- Organ Failures Associated with Acute Kidney Injury in Critically III cirrhotics have a major influence on disease progression and outcomes- a prospective ICU based study, ESCIM, Vienna
- Dynamic AARC-AKI score determines Extrarenal Organ Failures and Bacterial Infection in patients with Acute on Chronic Liver Failure, AASLD, Washington, 2017

Publications: Total 90

- 1. Sarmast N, Ogola GO, Kouznetsova M, Leise M, Bahirwani R, **Maiwall R**, Tapper E, Trotter J, Bajaj J, Thacker LR, Tandon P, Wong F, Reddy R, O'Leary JG, Masica A, Modrykamien AM, Kamath PS, Asrani SK. Model for End-stage Liver Disease-Lactate and Prediction of Inpatient Mortality in Patients with Chronic Liver Disease. Hepatology. 2020 Feb 21. https://doi.org/10.1002/hep.31199.
- 2. **Maiwall R**, Kumar A, Bhadoria AS, Jindal A, Kumar G, Bhardwaj A, Maras JS, Sharma MK, Sharma BC, Sarin SK. Utility of N-acetylcysteine in ischemic hepatitis in cirrhotics with acute variceal bleed: a randomized controlled trial. Hepatol Int. 2020 Feb 11. https://doi.org/10.1007/s12072-020-10013-5. PMID: 32048131.
- 3. Nayak S, Bajpai M, **Maiwall R**, Mohapatra A. Changes in pH and electrolytes during therapeutic plasma exchange in patients with liver diseases and factors predictive of these changes. Ther Apher Dial. 2020 Jan 17. https://doi.org/ 10.1111/1744-9987.13475. PMID: 31951077.
- **4.** Bajpai V, Gupta E, Mitra LG, Kumar H, **Maiwall R**, Soni KD, Gupta A. Spectrum of respiratory viral infections in liver disease patients with cirrhosis admitted in critical care unit. J Lab Physicians. 2019 Oct-Dec;11(4):356-360. https://doi.org/10.4103/JLP.JLP_6_19. PubMed PMID: 31929704; PubMed Central PMCID: PMC6943874.
- **5.** Bhat A, Das S, Yadav G, Chaudhary S, Vyas A, Islam M, Gupta AC, Bajpai M, **Maiwall R**, Maras JS, Sarin SK. Hyperoxidized Albumin Modulates Platelets and Promotes Inflammation Through

- CD36 Receptor in Severe Alcoholic Hepatitis. Hepatol Commun. 2019 Nov 23;4(1):50-65. https://doi.org/10.1002/hep4.1440. eCollection 2020 Jan. PubMed PMID: 31909355; PubMed Central PMCID: PMC6939543.
- 6. Premkumar M, Rangegowda D, Kulkarni A, Vyas T, Dudha S, Maiwall R. Difficult to Treat Recurrent Pyogenic Cholangitis With Portal Pylephlebitis in the Setting of Idiopathic CD4+ Lymphocytopaenia. J Clin Exp Hepatol. 2019 Nov-Dec;9(6):749-752. https://doi.org/10.1016/j.jceh.2019.03.007. Epub 2019 Mar 27. PubMed PMID: 31889757; PubMed Central PMCID: PMC6926195.
- **7.** Arora V, Vijayaraghavan R, **Maiwall R**, Sahney A, Thomas SS, Ali R, Jain P, Kumar G, Sarin SK. Paracentesis-induced circulatory dysfunction with modest-volume paracentesis is partly ameliorated by albumin infusion in ACLF. Hepatology. 2019 Dec 17. https://doi.org/10.1002/hep.31071. PMID: 31849085.
- 8. Patale D, Bajpai M, **Maiwall R**, Kumar G. Hemodynamic stability in liver failure patients undergoing therapeutic plasma exchange. J Clin Apher. 2019 Nov 21. https://doi.org/10.1002/jca.21761. PMID: 31750972.
- 9. Satapathy SK, Jiang Y, Agbim U, Wu C, Bernstein DE, Teperman LW, Kedia SK, Aithal GP, Bhamidimarri KR, Duseja A, Maiwall R, Maliakkal B, Jalal P, Patel K, Puri P, Ravinuthala R, Wong VW, Abdelmalek MF, Ahmed A, Thuluvath PJ, Singal AK; Global NAFLD Consortium. Posttransplant Outcome of Lean Compared With Obese Nonalcoholic Steatohepatitis in the United States: The Obesity Paradox. Liver Transpl. 2020 Jan;26(1):68-79. https://doi.org/10.1002/lt.25672. PubMed PMID: 31665561.
- **10.** Sarin SK, Choudhury A, Sharma MK, **Maiwall R**, Al Mahtab M, Rahman S, Saigal S, Saraf N, Soin AS, Devarbhavi H, Kim DJ, Dhiman RK, Duseja A, Taneja S, Eapen CE, Goel A, Ning Q, Chen T, Ma K, Duan Z, Yu C, Treeprasertsuk S, Hamid SS, Butt AS, Jafri W, Shukla A, Saraswat V, Tan SS, Sood A, Midha V, Goyal O, Ghazinyan H, Arora A, Hu J, Sahu M, Rao PN, Lee GH, Lim SG, Lesmana LA, Lesmana CR, Shah S, Prasad VGM, Payawal DA, Abbas Z, Dokmeci AK, Sollano JD, Carpio G, Shresta A, Lau GK, Fazal Karim M, Shiha G, Gani R, Kalista KF, Yuen MF, Alam S, Khanna R, Sood V, Lal BB, Pamecha V, Jindal A, Rajan V, Arora V, Yokosuka O, Niriella MA, Li H, Qi X, Tanaka A, Mochida S, Chaudhuri DR, Gane E, Win KM, Chen WT, Rela M, Kapoor D, Rastogi A, Kale P, Rastogi A, Sharma CB, Bajpai M, Singh V, Premkumar M, Maharashi S, Olithselvan A, Philips CA, Srivastava A, Yachha SK, Wani ZA, Thapa BR, Saraya A, Shalimar, Kumar A, Wadhawan M, Gupta S, Madan K, Sakhuja P, Vij V, Sharma BC, Garg H, Garg V, Kalal C, Anand L, Vyas T, Mathur RP, Kumar G, Jain P, Pasupuleti SSR, Chawla YK, Chowdhury A, Alam S, Song DS, Yang JM, Yoon EL; APASL ACLF Research Consortium (AARC) for APASL ACLF working Party. Correction to: Acute-on-chronic liver failure: consensus recommendations of the Asian Pacific association for the study of the liver (APASL): an update. Hepatol Int. 2019 Nov;13(6):826-828. https://doi.org/ 10.1007/s12072-019-09980-1. Epub 2019 Oct 9. PubMed PMID: 31595462; PubMed Central PMCID: PMC6861344.
- 11. Kumar M, Kainth S, Choudhury A, Maiwall R, Mitra LG, Saluja V, Agarwal PM, Shasthry SM, Jindal A, Bhardwaj A, Kumar G, Sarin SK. Treatment with carvedilol improves survival of patients with acute-on-chronic liver failure: a randomized controlled trial. Hepatol Int. 2019 Nov;13(6):800-813. https://doi.org/ 10.1007/s12072-019-09986-9. Epub 2019 Sep 20. PubMed PMID: 31541422.
- **12.** Mukund A, **Maiwall R**, Kumar Condati N. Angioembolization of Post-traumatic Intrahepatic Arterioportal Fistula Presenting With Portal Hypertension. J Clin Exp Hepatol. 2019 Jul-

- Aug;9(4):541-545. https://doi.org/10.1016/j.jceh.2018.10.001. Epub 2018 Oct 26. PubMed PMID: 31516271; PubMed Central PMCID: PMC6728541.
- 13. Shubham S, Kumar D, Rooge S, Maras JS, Maheshwari D, Nautiyal N, Kumari R, Bhat A, Kumar G, Rastogi A, Kumar S, Pamecha V, Maiwall R, Bihari C, Kumar A, Sarin SK. Cellular and functional loss of liver endothelial cells correlates with poor hepatocyte regeneration in acute-on-chronic liver failure. Hepatol Int. 2019 Nov;13(6):777-787. https://doi.org/10.1007/s12072-019-09983-y. Epub 2019 Sep 12. PubMed PMID: 31515741.
- Maiwall R, Pasupuleti SSR, Bihari C, Rastogi A, Singh PK, Naik V, Singh A, Jain P, Kumar A, Mukund A, Mathur RP, Kumar G, Sarin SK. Incidence, Risk Factors, and Outcomes of Transition of Acute Kidney Injury to Chronic Kidney Disease in Cirrhosis: A Prospective Cohort Study. Hepatology. 2020 Mar;71(3):1009-1022. https://doi.org/10.1002/hep.30859. Epub 2019 Oct 24. PubMed PMID: 313133333.
- **15.** Sarin SK, Choudhury A, Sharma MK, **Maiwall R**, Al Mahtab M, Rahman S, Saigal S, Saraf N, Soin AS, Devarbhavi H, Kim DJ, Dhiman RK, Duseja A, Taneja S, Eapen CE, Goel A, Ning Q, Chen T, Ma K, Duan Z, Yu C, Treeprasertsuk S, Hamid SS, Butt AS, Jafri W, Shukla A, Saraswat V, Tan SS, Sood A, Midha V, Goyal O, Ghazinyan H, Arora A, Hu J, Sahu M, Rao PN, Lee GH, Lim SG, Lesmana LA, Lesmana CR, Shah S, Prasad VGM, Payawal DA, Abbas Z, Dokmeci AK, Sollano JD, Carpio G, Shresta A, Lau GK, Fazal Karim M, Shiha G, Gani R, Kalista KF, Yuen MF, Alam S, Khanna R, Sood V, Lal BB, Pamecha V, Jindal A, Rajan V, Arora V, Yokosuka O, Niriella MA, Li H, Qi X, Tanaka A, Mochida S, Chaudhuri DR, Gane E, Win KM, Chen WT, Rela M, Kapoor D, Rastogi A, Kale P, Rastogi A, Sharma CB, Bajpai M, Singh V, Premkumar M, Maharashi S, Olithselvan A, Philips CA, Srivastava A, Yachha SK, Wani ZA, Thapa BR, Saraya A, Shalimar, Kumar A, Wadhawan M, Gupta S, Madan K, Sakhuja P, Vij V, Sharma BC, Garg H, Garg V, Kalal C, Anand L, Vyas T, Mathur RP, Kumar G, Jain P, Pasupuleti SSR, Chawla YK, Chowdhury A, Alam S, Song DS, Yang JM, Yoon EL; APASL ACLF Research Consortium (AARC) for APASL ACLF working Party. Acute-on-chronic liver failure: consensus recommendations of the Asian Pacific association for the study of the liver (APASL): an update. Hepatol Int. 2019 Jul;13(4):353-390. https://doi.org/10.1007/s12072-019-09946-3. Epub 2019 Jun 6. Erratum in: Hepatol Int. 2019 Nov;13(6):826-828. PubMed PMID: 31172417; PubMed Central PMCID: PMC6728300.
- 16. Kumar M, Ahmad J, Maiwall R, Choudhury A, Bajpai M, Mitra LG, Saluja V, Mohan Agarwal P, Bihari C, Shasthry SM, Jindal A, Bhardwaj A, Kumar G, Sarin SK. Thromboelastography-Guided Blood Component Use in Patients With Cirrhosis With Nonvariceal Bleeding: A Randomized Controlled Trial. Hepatology. 2020 Jan;71(1):235-246. https://doi.org/10.1002/hep.30794. Epub 2019 Aug 27. PubMed PMID: 31148204.
- 17. Premkumar M, Devurgowda D, Dudha S, Maiwall R, Bihari C, Grover S, Gupta E, Kumar S, Sarin SK. A/H1N1/09 Influenza is Associated With High Mortality in Liver Cirrhosis. J Clin Exp Hepatol. 2019 Mar-Apr;9(2):162-170. https://doi.org/ 10.1016/j.jceh.2018.04.006. Epub 2018 May 17. PubMed PMID: 31024197; PubMed Central PMCID: PMC6477137.
- 18. Devarbhavi H, Choudhury AK, Sharma MK, Maiwall R, Al Mahtab M, Rahman S, Chawla YK, Dhiman RK, Duseja A, Taneja S, Ning Q, Jia JD, Duan Z, Yu C, Eapen CE, Goel A, Tan SS, Hamid SS, Butt AS, Jafri W, Kim DJ, Hu J, Sood A, Midha V, Shukla A, Ghazinian H, Sahu MK, Treeprasertsuk S, Lee GH, Lim SG, Lesmana LA, Lesmana CR, Shah S, Kalal C, Abbas Z, Sollano JD, Prasad VGM, Payawal DA, Dokmeci AK, Rao PN, Shrestha A, Lau GK, Yuen MF, Saraswat VA, Shiha G, Yokosuka O, Kedarisetty CK, Jain P, Bhatia P, Sarin SK; APASL ACLF working party. Drug-Induced Acute-on-Chronic Liver Failure in Asian Patients. Am J Gastroenterol. 2019 Jun;114(6):929-937. https://doi.org/10.14309/aig.00000000000000201. PubMed PMID: 31021832.

- 19. Jamwal KD, Maiwall R, Sharma MK, Kumar G, Sarin SK. Case Control Study of Post-endoscopic Variceal Ligation Bleeding Ulcers in Severe Liver Disease: Outcomes and Management. J Clin Transl Hepatol. 2019 Mar 28;7(1):32-39. https://doi.org/ 10.14218/JCTH.2018.00059. Epub 2019 Mar 10. PubMed PMID: 30944817; PubMed Central PMCID: PMC6441646.
- 20. Sharma MK, Kainth S, Kumar S, Bhardwaj A, Agarwal HK, Maiwall R, Jamwal KD, Shasthry SM, Jindal A, Choudhary A, Anand L, Dhamija RM, Kumar G, Sharma BC, Sarin SK. Effects of zolpidem on sleep parameters in patients with cirrhosis and sleep disturbances: A randomized, placebo-controlled trial. Clin Mol Hepatol. 2019 Jun;25(2):199-209. https://doi.org/10.3350/cmh.2018.0084. Epub 2019 Mar 11. PubMed PMID: 30856689; PubMed Central PMCID: PMC6589852.
- 21. Arora V, Maiwall R, Rajan V, Jindal A, Shasthry SM, Kumar G, Jain P, Sarin SK. Reply. Hepatology. 2019 Apr;69(4):1846. https://doi.org/10.1002/hep.30536. Epub 2019 Mar 22. PubMed PMID: 30702757.
- Piano S, Singh V, Caraceni P, Maiwall R, Alessandria C, Fernandez J, Soares EC, Kim DJ, Kim SE, Marino M, Vorobioff J, Barea RCR, Merli M, Elkrief L, Vargas V, Krag A, Singh SP, Lesmana LA, Toledo C, Marciano S, Verhelst X, Wong F, Intagliata N, Rabinowich L, Colombato L, Kim SG, Gerbes A, Durand F, Roblero JP, Bhamidimarri KR, Boyer TD, Maevskaya M, Fassio E, Kim HS, Hwang JS, Gines P, Gadano A, Sarin SK, Angeli P; International Club of Ascites Global Study Group. Epidemiology and Effects of Bacterial Infections in Patients With Cirrhosis Worldwide. Gastroenterology. 2019 Apr;156(5):1368-1380.e10. https://doi.org/ 10.1053/j.gastro.2018.12.005. Epub 2018 Dec 13. PubMed PMID: 30552895.
- 23. Sujan R, Cruz-Lemini M, Altamirano J, Simonetto DA, **Maiwall R**, Axley P, Richardson T, Desai V, Cabezas J, Vargas V, Kamath PS, Shah VH, Sarin SK, Bataller R, Singal AK. A Validated Score Predicts Acute Kidney Injury and Survival in Patients With Alcoholic Hepatitis. Liver Transpl. 2018 Dec;24(12):1655-1664. https://doi.org/10.1002/lt.25328. PubMed PMID: 30153377.
- 24. Anand L, Choudhury A, Bihari C, Sharma BC, Kumar M, Maiwall R, Siam Tan S, Shah SR, Hamid S, Butt AS, Jafri W, Chawla YK, Taneja S, Duseja A, Dhiman RK, Mahtab MA, Ghazinyan H, Duan Z, Chen Y, Shukla A, Hu J, Abbas Z, Treeprasertsuk S, Lesmana LA, Lesmana CR, Sollano JD, Carpio G, Sahu MK, Kumar G, Sarin SK; APASL ACLF (APASL ACLF Research Consortium) Working Party. Flare of Autoimmune Hepatitis Causing Acute on Chronic Liver Failure: Diagnosis and Response to Corticosteroid Therapy. Hepatology. 2019 Aug;70(2):587-596. https://doi.org/10.1002/hep.30205. Epub 2019 Feb 22. PubMed PMID: 30113706.
- **25.** Arora V, **Maiwall R**, Rajan V, Jindal A, Muralikrishna Shasthry S, Kumar G, Jain P, Sarin SK. Terlipressin Is Superior to Noradrenaline in the Management of Acute Kidney Injury in Acute on Chronic Liver Failure. Hepatology. 2020 Feb;71(2):600-610. https://doi.org/10.1002/hep.30208. Epub 2019 Feb 20. PubMed PMID: 30076614.
- Maras JS, Das S, Sharma S, Sukriti S, Kumar J, Vyas AK, Kumar D, Bhat A, Yadav G, Choudhary MC, Sharma S, Kumar G, Bihari C, Trehanpati N, Maiwall R, Sarin SK. Iron-Overload triggers ADAM-17 mediated inflammation in Severe Alcoholic Hepatitis. Sci Rep. 2018 Jul 6;8(1):10264. https://doi.org/ 10.1038/s41598-018-28483-x. PubMed PMID: 29980709; PubMed Central PMCID: PMC6035223.
- **27.** Anand L, Bihari C, Kedarisetty CK, Rooge SB, Kumar D, Shubham S, Kumar G, Sahney A, Sharma MK, **Maiwall R**, Kumar A, Sarin SK. Early cirrhosis and a preserved bone marrow niche favour

- regenerative response to growth factors in decompensated cirrhosis. Liver Int. 2019 Jan;39(1):115-126. https://doi.org/ 10.1111/liv.13923. Epub 2018 Aug 10. PubMed PMID: 29962032.
- 28. Chougule A, Rastogi A, **Maiwall R**, Bihari C, Sood V, Sarin SK. Spectrum of histopathological changes in patients with non-cirrhotic portal fibrosis. Hepatol Int. 2018 Mar;12(2):158-166. https://doi.org/10.1007/s12072-018-9857-y. Epub 2018 Apr 12. PubMed PMID: 29651703.
- **29. Maiwall R**. Spontaneous bacteremia and spontaneous bacterial peritonitis in cirrhosis: two infections but similar outcomes? Hepatol Int. 2018 Mar;12(2):87-89. https://doi.org/10.1007/s12072-018-9853-2. Epub 2018 Mar 27. PubMed PMID: 29589197.
- 30. Jamwal KD, Sharma MK, Maiwall R, Sharma BK, Sarin SK. EUS-guided Gall Bladder Drainage in Severe Liver Disease: A Single-center Experience in Critically III Cirrhotics. J Clin Transl Hepatol. 2018 Mar 28;6(1):35-39. https://doi.org/ 10.14218/JCTH.2017.00018. Epub 2017 Oct 24. PubMed PMID: 29577030; PubMed Central PMCID: PMC5862997.
- **31.** Das S, Hussain MS, Maras JS, Kumar J, Shasthry SM, Nayak S, Arora V, Vijayaraghavan R, Sharma S, **Maiwall R**, Sarin SK. Modification Patterns of Urinary Albumin Correlates With Serum Albumin and Outcome in Severe Alcoholic Hepatitis. J Clin Gastroenterol. 2019 Jul;53(6):e243-e252. https://doi.org/ 10.1097/MCG.0000000000000990. PubMed PMID: 29369844.
- 32. Das S, Maras JS, Maiwall R, Shasthry SM, Hussain S, Sharma S, Sukriti S, Singh TP, Sarin SK. Molecular Ellipticity of Circulating Albumin-Bilirubin Complex Associates With Mortality in Patients With Severe Alcoholic Hepatitis. Clin Gastroenterol Hepatol. 2018 Aug;16(8):1322-1332.e4. https://doi.org/ 10.1016/j.cgh.2017.11.022. Epub 2017 Nov 16. PubMed PMID: 29155355.
- **33. Maiwall R**, Kumar G, Bharadwaj A, Jamwal K, Bhadoria AS, Jain P, Sarin SK. AKI persistence at 48 h predicts mortality in patients with acute on chronic liver failure. Hepatol Int. 2017 Nov;11(6):529-539. https://doi.org/10.1007/s12072-017-9822-1. Epub 2017 Oct 5. PubMed PMID: 28983839.
- **34. Maiwall R**, Kumar A, Bhardwaj A, Kumar G, Bhadoria AS, Sarin SK. Cystatin C predicts acute kidney injury and mortality in cirrhotics: A prospective cohort study. Liver Int. 2018 Apr;38(4):654-664. https://doi.org/10.1111/liv.13600. Epub 2017 Oct 19. PubMed PMID: 28941301.
- 35. Choudhury A, Jindal A, Maiwall R, Sharma MK, Sharma BC, Pamecha V, Mahtab M, Rahman S, Chawla YK, Taneja S, Tan SS, Devarbhavi H, Duan Z, Yu C, Ning Q, Jia JD, Amarapurkar D, Eapen CE, Goel A, Hamid SS, Butt AS, Jafri W, Kim DJ, Ghazinian H, Lee GH, Sood A, Lesmana LA, Abbas Z, Shiha G, Payawal DA, Dokmeci AK, Sollano JD, Carpio G, Lau GK, Karim F, Rao PN, Moreau R, Jain P, Bhatia P, Kumar G, Sarin SK; APASL ACLF Working Party. Liver failure determines the outcome in patients of acute-on-chronic liver failure (ACLF): comparison of APASL ACLF research consortium (AARC) and CLIF-SOFA models. Hepatol Int. 2017 Sep;11(5):461-471. https://doi.org/10.1007/s12072-017-9816-z. Epub 2017 Aug 30. PubMed PMID: 28856540.
- **36. Maiwall R**, Jamwal KD, Bhardwaj A, Bhadoria AS, Maras JS, Kumar G, Jindal A, Choudhury A, Anand L, Sahney A, Kumar A, Sharma MK, Sharma BC, Sarin SK. SX-Ella Stent Danis Effectively Controls Refractory Variceal Bleed in Patients with Acute-on-Chronic Liver Failure. Dig Dis Sci. 2018 Feb;63(2):493-501. https://doi.org/ 10.1007/s10620-017-4686-8. Epub 2017 Aug 5. PubMed PMID: 28780608.

- 37. Trehanpati N, Sehgal R, Patra S, Vyas A, Vasudevan M, Khosla R, Khanam A, Kumar G, Maiwall R, Ramakrishna G, Kottilil S, Sarin SK. miRNA signatures can predict acute liver failure in hepatitis E infected pregnant females. Heliyon. 2017 Apr 6;3(4):e00287. https://doi.org/10.1016/j.heliyon.2017.e00287. eCollection 2017 Apr. PubMed PMID: 28413835; PubMed Central PMCID: PMC5384411.
- 38. Maiwall R, Sarin SK, Kumar S, Jain P, Kumar G, Bhadoria AS, Moreau R, Kedarisetty CK, Abbas Z, Amarapurkar D, Bhardwaj A, Bihari C, Butt AS, Chan A, Chawla YK, Chowdhury A, Dhiman R, Dokmeci AK, Ghazinyan H, Hamid SS, Kim DJ, Komolmit P, Lau GK, Lee GH, Lesmana LA, Jamwal K, Mamun-Al-Mahtab, Mathur RP, Nayak SL, Ning Q, Pamecha V, Alcantara-Payawal D, Rastogi A, Rahman S, Rela M, Saraswat VA, Shah S, Shiha G, Sharma BC, Sharma MK, Sharma K, Tan SS, Chandel SS, Vashishtha C, Wani ZA, Yuen MF, Yokosuka O, Duseja A, Jafri W, Devarbhavi H, Eapen CE, Goel A, Sood A, Ji J, Duan Z, Chen Y; of the APASL ACLF Research Consortium (AARC) working party. Development of predisposition, injury, response, organ failure model for predicting acute kidney injury in acute on chronic liver failure. Liver Int. 2017 Oct;37(10):1497-1507. https://doi.org/10.1111/liv.13443. Epub 2017 Aug 2. PubMed PMID: 28393476.
- 39. Choudhury A, Kumar M, Sharma BC, Maiwall R, Pamecha V, Moreau R, Chawla YK, Duseja A, Mahtab M, Rahman S, Hamid SS, Butt AS, Jafri W, Tan SS, Devarbhavi H, Amarapurkar D, Ning Q, Eapen CE, Goel A, Kim DJ, Ghazinyan H, Shiha G, Lee GH, Abbas Z, Payawal DA, Dokmeci AK, Yuen MF, Lesmana LA, Sood A, Chan A, Lau GK, Jia JD, Duan Z, Yu C, Yokosuka O, Jain P, Bhadoria AS, Kumar G, Sarin SK; APASL ACLF working party. Systemic inflammatory response syndrome in acute-on-chronic liver failure: Relevance of 'golden window': A prospective study. J Gastroenterol Hepatol. 2017 Dec;32(12):1989-1997. https://doi.org/10.1111/jgh.13799. PubMed PMID: 28374414.
- 40. Gupta E, Agarwala P, Kumar G, Maiwall R, Sarin SK. Point -of -care testing (POCT) in molecular diagnostics: Performance evaluation of GeneXpert HCV RNA test in diagnosing and monitoring of HCV infection. J Clin Virol. 2017 Mar;88:46-51. https://doi.org/ 10.1016/j.jcv.2017.01.006. Epub 2017 Jan 29. PubMed PMID: 28160728.
- 41. Weiss E, Rautou PE, Fasseu M, Giabicani M, de Chambrun M, Wan J, Minsart C, Gustot T, Couvineau A, Maiwall R, Hurtado-Nedelec M, Pilard N, Lebrec D, Valla D, Durand F, de la Grange P, Monteiro RC, Paugam-Burtz C, Lotersztajn S, Moreau R. Type I interferon signaling in systemic immune cells from patients with alcoholic cirrhosis and its association with outcome. J Hepatol. 2017 May;66(5):930-941. https://doi.org/10.1016/j.jhep.2016.12.008. Epub 2016 Dec 28. PubMed PMID: 28040548.
- 42. Philips CA, Pande A, Shasthry SM, Jamwal KD, Khillan V, Chandel SS, Kumar G, Sharma MK, Maiwall R, Jindal A, Choudhary A, Hussain MS, Sharma S, Sarin SK. Healthy Donor Fecal Microbiota Transplantation in Steroid-Ineligible Severe Alcoholic Hepatitis: A Pilot Study. Clin Gastroenterol Hepatol. 2017 Apr;15(4):600-602. https://doi.org/10.1016/j.cgh.2016.10.029. Epub 2016 Nov 2. Review. PubMed PMID: 27816755.
- **43.** Das S, Maras JS, Hussain MS, Sharma S, David P, Sukriti S, Shasthry SM, **Maiwall R**, Trehanpati N, Singh TP, Sarin SK. Hyperoxidized albumin modulates neutrophils to induce oxidative stress and inflammation in severe alcoholic hepatitis. Hepatology. 2017 Feb;65(2):631-646. https://doi.org/10.1002/hep.28897. Epub 2016 Dec 19. PubMed PMID: 27775820.

- **44.** Choudhury A, Kedarisetty CK, Vashishtha C, Saini D, Kumar S, **Maiwall R**, Sharma MK, Bhadoria AS, Kumar G, Joshi YK, Sarin SK. A randomized trial comparing terlipressin and noradrenaline in patients with cirrhosis and septic shock. Liver Int. 2017 Apr;37(4):552-561. https://doi.org/10.1111/liv.13252. Epub 2016 Oct 20. PubMed PMID: 27633962.
- **45.** Bhardwaj A, Kedarisetty CK, Vashishtha C, Bhadoria AS, Jindal A, Kumar G, Choudhary A, Shasthry SM, **Maiwall R**, Kumar M, Bhatia V, Sarin SK. Carvedilol delays the progression of small oesophageal varices in patients with cirrhosis: a randomized placebo-controlled trial. Gut. 2017 Oct;66(10):1838-1843. https://doi.org/ 10.1136/gutjnl-2016-311735. Epub 2016 Jun 13. PubMed PMID: 27298379.
- **46.** Bihari C, Rastogi A, Sen B, Bhadoria AS, **Maiwall R**, Sarin SK. Quantitative fibrosis estimation by image analysis predicts development of decompensation, composite events and defines event-free survival in chronic hepatitis B patients. Hum Pathol. 2016 Sep;55:63-71. https://doi.org/10.1016/j.humpath.2016.04.012. Epub 2016 May 14. PubMed PMID: 27189343.
- **47.** Jindal A, Kumar M, Bhadoria AS, **Maiwall R**, Sarin SK. Response to Treatment of spontaneous bacterial peritonitis: beyond the current international guidelines. Liver Int. 2016 Jun;36(6):919. https://doi.org/10.1111/liv.13074. PubMed PMID: 27177096.
- **48.** Patidar Y, Sureka B, Singh VP, Bansal K, **Maiwall R**. Spontaneous rupture of intrahepatic pseudocyst into the inferior vena cava. Gastroenterol Rep (Oxf). 2018 Aug;6(3):225-227. Epub 2016 Apr 21. PubMed PMID: 27103737; PubMed Central PMCID: PMC6101516.
- **49. Maiwall R**, Kumar M. Prevention and Treatment of Recurrent Hepatitis B after Liver Transplantation. J Clin Transl Hepatol. 2016 Mar 28;4(1):54-65. https://doi.org/10.14218/JCTH.2015.00041. Epub 2016 Mar 15. Review. PubMed PMID: 27047773; PubMed Central PMCID: PMC4807144.
- 50. Wani ZA, Bhat RA, Bhadoria AS, Maiwall R, Choudhury A. Gastric varices: Classification, endoscopic and ultrasonographic management. J Res Med Sci. 2015 Dec;20(12):1200-7. https://doi.org/10.4103/1735-1995.172990. Review. PubMed PMID: 26958057; PubMed Central PMCID: PMC4766829.
- **51. Maiwall R**, Moreau R. Plasma exchange for acute on chronic liver failure: is there a light at the end of the tunnel? Hepatol Int. 2016 May;10(3):387-9. https://doi.org/ 10.1007/s12072-016-9703-z. Epub 2016 Feb 4. PubMed PMID: 26846470.
- **52. Maiwall R**, Kumar S, Sharma MK, Wani Z, Ozukum M, Sarin SK. Prevalence and prognostic significance of hyperkalemia in hospitalized patients with cirrhosis. J Gastroenterol Hepatol. 2016 May;31(5):988-94. https://doi.org/10.1111/jgh.13243. PubMed PMID: 26598065.
- **53.** Jindal A, Kumar M, Bhadoria AS, **Maiwall R**, Sarin SK. A randomized open label study of 'imipenem vs. cefepime' in spontaneous bacterial peritonitis. Liver Int. 2016 May;36(5):677-87. https://doi.org/10.1111/liv.12985. Epub 2015 Nov 21. PubMed PMID: 26474358.
- **Maiwall R**, Sarin SK, Moreau R. Acute kidney injury in acute on chronic liver failure. Hepatol Int. 2016 Mar;10(2):245-57. https://doi.org/10.1007/s12072-015-9652-y. Epub 2015 Oct 15. Review. PubMed PMID: 26471272.

- **55. Maiwall R**, Chandel SS, Wani Z, Kumar S, Sarin SK. SIRS at Admission Is a Predictor of AKI Development and Mortality in Hospitalized Patients with Severe Alcoholic Hepatitis. Dig Dis Sci. 2016 Mar;61(3):920-9. https://doi.org/ 10.1007/s10620-015-3921-4. Epub 2015 Oct 15. PubMed PMID: 26470868.
- Wani ZA, Baht RA, Bhadoria AS, Maiwall R, Majeed Y, Khan AA, Zargar SA, Shah MA, Khan KM. After proper optimization of carvedilol dose, do different child classes of liver disease differ in terms of dose tolerance and response on a chronic basis? Saudi J Gastroenterol. 2015 Sep-Oct;21(5):278-83. https://doi.org/10.4103/1319-3767.164207. PubMed PMID: 26458853; PubMed Central PMCID: PMC4632251.
- **57.** Sehgal R, Patra S, David P, Vyas A, Khanam A, Hissar S, Gupta E, Kumar G, Kottilil S, **Maiwall R**, Sarin SK, Trehanpati N. Impaired monocyte-macrophage functions and defective Toll-like receptor signaling in hepatitis E virus-infected pregnant women with acute liver failure. Hepatology. 2015 Dec;62(6):1683-96. https://doi.org/10.1002/hep.28143. Epub 2015 Oct 28. PubMed PMID: 26331854.
- **58. Maiwall R**, Kumar S, Chandel SS, Kumar G, Rastogi A, Bihari C, Sharma MK, Thakur B, Jamwal K, Nayak S, Mathur RP, Sarin SK. AKI in patients with acute on chronic liver failure is different from acute decompensation of cirrhosis. Hepatol Int. 2015 Oct;9(4):627-39. https://doi.org/10.1007/s12072-015-9653-x. Epub 2015 Sep 2. PubMed PMID: 26329121.
- 59. Sarin SK, Kedarisetty CK, Abbas Z, Amarapurkar D, Bihari C, Chan AC, Chawla YK, Dokmeci AK, Garg H, Ghazinyan H, Hamid S, Kim DJ, Komolmit P, Lata S, Lee GH, Lesmana LA, Mahtab M, Maiwall R, Moreau R, Ning Q, Pamecha V, Payawal DA, Rastogi A, Rahman S, Rela M, Saraya A, Samuel D, Saraswat V, Shah S, Shiha G, Sharma BC, Sharma MK, Sharma K, Butt AS, Tan SS, Vashishtha C, Wani ZA, Yuen MF, Yokosuka O; APASL ACLF Working Party. Acute-on-chronic liver failure: consensus recommendations of the Asian Pacific Association for the Study of the Liver (APASL) 2014. Hepatol Int. 2014 Oct;8(4):453-71. https://doi.org/10.1007/s12072-014-9580-2. Epub 2014 Sep 26. PubMed PMID: 26202751.
- **60.** Kedarisetty CK, Anand L, Khanam A, Kumar A, Rastogi A, **Maiwall R**, Sarin SK. Growth factors enhance liver regeneration in acute-on-chronic liver failure. Hepatol Int. 2014 Sep;8 Suppl 2:514-25. https://doi.org/10.1007/s12072-014-9538-4. Epub 2014 May 25. PubMed PMID: 26201333.
- **61. Maiwall R**, Maras JS, Nayak SL, Sarin SK. Liver dialysis in acute-on-chronic liver failure: current and future perspectives. Hepatol Int. 2014 Sep;8 Suppl 2:505-13. https://doi.org/10.1007/s12072-014-9534-8. Epub 2014 Apr 24. PubMed PMID: 26201332.
- **62.** Jindal A, Bhadoria AS, **Maiwall R**, Sarin SK. Evaluation of acute kidney injury and its response to terlipressin in patients with acute-on-chronic liver failure. Liver Int. 2016 Jan;36(1):59-67. https://doi.org/10.1111/liv.12895. Epub 2015 Sep 18. PubMed PMID: 26081914.
- **63.** Wani ZA, Bhat RA, Bhadoria AS, **Maiwall R**. Extrahepatic portal vein obstruction and portal vein thrombosis in special situations: Need for a new classification. Saudi J Gastroenterol. 2015 May-Jun;21(3):129-38. https://doi.org/ 10.4103/1319-3767.157550. Review. PubMed PMID: 26021771; PubMed Central PMCID: PMC4455142.
- **64.** Sharma S, Khosla R, David P, Rastogi A, Vyas A, Singh D, Bhardwaj A, Sahney A, **Maiwall R**, Sarin SK, Trehanpati N. CD4+CD25+CD127 (low) Regulatory T Cells Play Predominant Anti-Tumor Suppressive Role in Hepatitis B Virus-Associated Hepatocellular Carcinoma. Front Immunol. 2015

- Feb 25;6:49. https://doi.org/ 10.3389/fimmu.2015.00049. eCollection 2015. PubMed PMID: 25767469; PubMed Central PMCID: PMC4341117.
- **65.** Kedarisetty CK, Anand L, Bhardwaj A, Bhadoria AS, Kumar G, Vyas AK, David P, Trehanpati N, Rastogi A, Bihari C, **Maiwall R**, Garg HK, Vashishtha C, Kumar M, Bhatia V, Sarin SK. Combination of granulocyte colony-stimulating factor and erythropoietin improves outcomes of patients with decompensated cirrhosis. Gastroenterology. 2015 Jun;148(7):1362-70.e7. https://doi.org/10.1053/j.gastro.2015.02.054. Epub 2015 Mar 4. PubMed PMID: 25749502.
- Maras JS, Maiwall R, Harsha HC, Das S, Hussain MS, Kumar C, Bihari C, Rastogi A, Kumar M, Trehanpati N, Sharma S, Pandey A, Sarin SK. Dysregulated iron homeostasis is strongly associated with multiorgan failure and early mortality in acute-on-chronic liver failure. Hepatology. 2015 Apr;61(4):1306-20. https://doi.org/ 10.1002/hep.27636. Epub 2015 Mar 10. PubMed PMID: 25475192.
- **67. Maiwall R**, Maras JS, Kumar S, Sarin SK. Reply to: "Ferritin in decompensated cirrhosis: Iron or inflammation?". J Hepatol. 2015 Feb;62(2):500-1. https://doi.org/ 10.1016/j.jhep.2014.11.004. Epub 2014 Nov 11. PubMed PMID: 25450200.
- **68.** Singh PK, Dayama AP, **Maiwall R**, Sehgal V, Venkatesh P, Mishra PC, Seth T, Mahapatra M. An Interesting Case of CMV Retinitis in a Case of ALL on Maintenance Therapy. Indian J Hematol Blood Transfus. 2014 Sep;30(Suppl 1):154-8. https://doi.org/ 10.1007/s12288-013-0305-9. Epub 2013 Dec 6. PubMed PMID: 25332566; PubMed Central PMCID: PMC4192189.
- **69. Maiwall R**, Goel A, Pulimood AB, Babji S, Sophia J, Prasad C, Balasubramanian KA, Ramakrishna B, Kurian S, Fletcher GJ, Abraham P, Kang G, Ramakrishna BS, Elias E, Eapen CE. Investigation into celiac disease in Indian patients with portal hypertension. Indian J Gastroenterol. 2014 Nov;33(6):517-23. https://doi.org/ 10.1007/s12664-014-0501-z. Epub 2014 Sep 18. PubMed PMID: 25231910.
- **70. Maiwall R**, Kumar S, Sarin SK. Reply to: "Low free T3 levels are related to early mortality in patients with decompensated cirrhosis and acute-on chronic liver failure". J Hepatol. 2014 Dec;61(6):1447-8. https://doi.org/ 10.1016/j.jhep.2014.08.049. Epub 2014 Sep 6. PubMed PMID: 25200907.
- **71. Maiwall R**, Kumar S, Chaudhary AK, Maras J, Wani Z, Kumar C, Rastogi A, Bihari C, Vashisht C, Sarin SK. Serum ferritin predicts early mortality in patients with decompensated cirrhosis. J Hepatol. 2014 Jul;61(1):43-50. https://doi.org/ 10.1016/j.jhep.2014.03.027. Epub 2014 Mar 26. PubMed PMID: 24681346.
- **72.** Kochat V, Baligar P, **Maiwall R**, Mukhopadhyay A. Bone marrow stem-cell therapy for genetic and chronic liver diseases. Hepatol Int. 2014 Apr;8(2):166-78. https://doi.org/ 10.1007/s12072-013-9499-z. Epub 2014 Jan 3. PubMed PMID: 26202499.
- **73.** Rastogi A, **Maiwall R**, Bihari C, Trehanpati N, Pamecha V, Sarin SK. Two-tier regenerative response in liver failure in humans. Virchows Arch. 2014 May;464(5):565-73. https://doi.org/10.1007/s00428-014-1547-0. Epub 2014 Mar 4. PubMed PMID: 24590583.
- **74.** Nayak SL, **Maiwall R**, Nandwani A, Ramanarayanan S, Mathur RP, Kumar R, Sarin SK, Vashishtha C. Management of acute kidney injury in cirrhosis. Hepatol Int. 2013 Jul;7(3):813-9. https://doi.org/10.1007/s12072-013-9456-x. Epub 2013 Jul 26. PubMed PMID: 26201918.

- **75.** Rastogi A, **Maiwall R**, Bihari C, Ahuja A, Kumar A, Singh T, Wani ZA, Sarin SK. Cirrhosis histology and Laennec staging system correlate with high portal pressure. Histopathology. 2013 Apr;62(5):731-41. https://doi.org/10.1111/his.12070. Epub 2013 Mar 7. PubMed PMID: 23470026.
- **76.** Rastogi A, Bihari C, **Maiwall R**, Ahuja A, Sharma MK, Kumar A, Sarin SK. Hepatic stellate cells are involved in the pathogenesis of acute-on-chronic liver failure (ACLF). Virchows Arch. 2012 Oct;461(4):393-8. https://doi.org/ 10.1007/s00428-012-1291-2. Epub 2012 Aug 11. PubMed PMID: 22886437.
- 77. are involved in the pathogenesis of acute-on-chronic liver failure (ACLF). Virchows Arch. 2012 Oct;461(4):393-8. https://doi.org/ 10.1007/s00428-012-1291-2. Epub 2012 Aug 11. PubMed PMID: 22886437.
- **78.** Jain P, Shasthry SM, Choudhury AK, **Maiwall** R, Kumar G, Bharadwaj A, Arora V, Vijayaraghavan R, Jindal A, Sharma MK, Bhatia V, Sarin SK. Alcohol associated liver cirrhotics have higher mortality after index hospitalization: Long-term data of 5,138 patients. Clin Mol Hepatol. 2021 Jan;27(1):175-185.
- **79.** Rastogi A, **Maiwall** R, Ramakrishna G, Modi S, Taneja K, Bihari C, Kumar G, Patil N, Thapar S, Choudhury AK, Mukund A, Pamecha V, Sarin SK. Hepatocellular carcinoma: Clinicopathologic associations amidst marked phenotypic heterogeneity. Pathol Res Pract. 2021 Jan;217:153290.
- 80. Wong F, Piano S, Singh V, Bartoletti M, Maiwall R, Alessandria C, Fernandez J, Soares EC, Kim DJ, Kim SE, Marino M, Vorobioff J, Barea RCR, Merli M, Elkrief L, Vargas V, Krag A, Singh SP, Lesmana LA, Toledo C, Marciano S, Verhelst X, Intagliata N, Rabinowich L, Colombato L, Kim SG, Gerbes A, Durand F, Roblero JP, Bruns T, Yoon EL, Girala M, Pyrsopoulos NT, Kim TH, Yim SY, Juanola A, Gadano A, Angeli P; International Club of Ascites Global Study Group. Clinical features and evolution of bacterial infection-related acute-on-chronic liver failure. J Hepatol. 2021 Feb;74(2):330-339. doi: 10.1016/j.jhep.2020.07.046. Epub 2020 Aug 8. PMID: 32781201.
- **81.** Patale D, Bajpai M, **Maiwall** R, Kumar G. Hemodynamic stability in liver failure patients undergoing therapeutic plasma exchange. J Clin Apher. 2020 Apr;35(2):86-93. doi: 10.1002/jca.21761. Epub 2019 Nov 21. PMID: 31750972
- **82.** Bajpai V, Gupta E, Mitra LG, Kumar H, **Maiwall** R, Soni KD, Gupta A. Spectrum of respiratory viral infections in liver disease patients with cirrhosis admitted in critical care unit. J Lab Physicians. 2019 Oct-Dec;11(4):356-360
- **83.** Kakkar B, **Maiwall R**, Bajpai M. Transfusion practices in cirrhotic patients at a tertiary liver care center from Northern India. Hematol Transfus Cell Ther. 2020 Jul 23:S2531-1379(20)30098-5.
- **84.** Shubham S, Kumar D, Rooge S, Maras JS, Maheshwari D, Nautiyal N, Kumari R, Bhat A, Kumar G, Rastogi A, Kumar S, Pamecha V, **Maiwall R**, Bihari C, Kumar A, Sarin SK.

- Cellular and functional loss of liver endothelial cells correlates with poor hepatocyte regeneration in acute-on-chronic liver failure. Hepatol Int. 2019 Nov;13(6):777-787.
- **85.** Nayak S, Bajpai M, **Maiwall R**, Mohapatra A. Changes in pH and electrolytes during therapeutic plasma exchange in patients with liver diseases and factors predictive of these changes. Ther Apher Dial. 2020 Dec;24(6):725-730
- **86. Maiwall R**, Pasupuleti SSR, Chandel SS, Narayan A, Jain P, Mitra LG, Kumar G, Moreau R, Sarin SK. Co-orchestration of acute kidney injury and non-kidney organ failures in critically ill patients with cirrhosis. Liver Int. 2021 Feb 3. doi: 10.1111/liv.14809. E\
- **87. Maiwall R,** Bajpai M, Singh A, Agarwal T, Kumar G, Bharadwaj A, Nautiyal N, Tevethia H, Jagdish RK, Vijayaraghavan R, Choudhury A, Mathur RP, Hidam A, Pati NT, Sharma MK, Kumar A, Sarin SK. Standard-Volume Plasma Exchange Improves Outcomes in Patients With Acute Liver Failure: A Randomized Controlled Trial. Clin Gastroenterol Hepatol. 2021 Jan 29:S1542-3565(21)00086-0
- **88. Maiwall R,** Bajpai M, Choudhury AK, Kumar A, Sharma MK, Duan Z, Yu C, Hu J, Ghazinian H, Ning Q, Ma K, Lee GH, Lim SG, Shah S, Kalal C, Dokmeci A, Kumar G, Jain P, Rao Pasupuleti SS, Paulson I, Kumar V, Sarin SK; AARC working Party. Therapeutic plasma-exchange improves systemic inflammation and survival in acute-on-chronic liver failure: A propensity-score matched study from AARC. Liver Int. 2021 Feb 2. doi: 10.1111/liv.14806.
- 89. Maiwall R, Pasupuleti SSR, Jain P, Sarin SK. Degree of Portal and Systemic Hemodynamic Alterations Predict Recurrent AKI and Chronic Kidney Disease in Patients With Cirrhosis. Hepatol Commun. 2020 Nov 6;5(2):293-308.
 90.

Contributed Book Chapters in

- Artificial Liver Support in Acute and Acute on Chronic Liver Failure Maiwall R, Sharma
 MK
- Terlipressin to reduce mortality in hepatorenal syndrome type 1- Maiwall R, Sarin SK
- Treatment of ACLF-From Artificial devices to stemcells- Sarin SK, Chowdhury AK, Maiwall R, Kumar
- Hepatitis B virus infection and Hepatocellular carcinoma R. Maiwall, M. Kumar
- Extrahepatic portal venous obstruction-Asian and Global perspectives, R Maiwall, Shiv.
 K.Sarin

- Management of AKI in cirrhosis and acute on chronic liver failure-Recent Progress in Hepatology and Gastroeneterology
- Acute

Ongoing Trials (As Principal Investigator):

High-Volume Plasma-Exchange versus Standard Medical Treatment in patients with Acute Liver Failure

Early versus late initiation of Sustained Low Efficiency Dialysis in Critically III Cirrhotics with Septic Shock

Early versus late initiation of Continuous Renal Replacement Therapy in Acute on Chronic Liver Failure Patients with Septic Shock

Low versus High Target MAP in critically ill cirrhotics

Lectures Delivered

Asian Pacific Association of Study of Liver (APASL) March 14th-18th

Early Initiation of RRT is helpful in patients with cirrhosis and septic shock [Debate-For]

Albumin in Critically III Cirrhotic

CME in hepatology, CMC Vellore 'Endothelial dysfunction in Liver diseases- Portal Hypertension and Acute Liver Failure

INASL 2018, 2-5th August-

ISG-TN Chapter 25th June- Management of Refractory Ascites

Annual Liver Congress, EASL-2018 11-14th April 2018

4TH CLBS Symposium-Patients with AKI for Liver Transplant – Preoperative evaluation & optimization ", 14 and 16th September

AVATAR- Second Extracorporeal Therapies in Sepsis – "Extracorporeal Therapies in Liver ICU"

Invitation to Chair/Panelist

MCLD-Chennai Session Liver Transplant Recipient – Optimization, 26-27 Jan 2018

4th International Liver Symposium: **Debates in Liver Diseases and Transplantation**" at **Medanta, April 6-8**

Case based discussion of problem cases in Hepatobiliary Disease"- Cirrhosis with Renal Dysfunction 8th-9th September 2018, SGRH New Delhi