



# 2018 ANNUAL REPORT

Baylor  
College of  
Medicine®

**GASTROENTEROLOGY & HEPATOLOGY**

Baylor College of Medicine  
Houston, Texas

## Gastroenterology & Hepatology

### ANNUAL REPORT 2018

The Section of Gastroenterology and Hepatology had a very successful year. Section members had over \$10 million in research funding in 2018. With over 100 papers in scientific journals and over 70 presentations at the national meetings this year, the Section is a leader in research in gastrointestinal and liver diseases. The Section serves as the clinical home for the NIH funded Digestive Disease Center, one of 17 federally funded centers focusing on research in GI diseases.

Our top-notch faculty received many accolades at the local and national levels. We represent BCM in all major professional societies; our faculty holds several leadership positions within the American Gastroenterological Association, American Association for the Study of Liver Diseases, American Society of Gastroenterological Association, and the Crohn's and Colitis Foundation. The Section also serves as the home for the *Clinical Gastroenterology and Hepatology*, one of the major clinical journals in the field.

We continue to provide high quality, compassionate healthcare at Baylor St. Lukes Medical Center (BSLMC), Ben Taub General Hospital, and Michael E. DeBakey Veterans Affairs Medical Center. BSLMC nationally ranked for gastroenterology service this year. In 2018, we introduced several innovations in our practices, including cutting edge advanced endoscopic procedures, multidisciplinary treatment of complex GI disorders, and population based management programs. Our faculty continues to play an important role in advancing our understanding of digestive and liver diseases and training future clinicians and researchers.

This annual report outlines some of the achievements and recognition received during 2018.



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# JULY 2017 – JUNE 2018 PUBLICATIONS

1. Lo YH, Noah TK, Chen MS, Zou W, Borrás E, Vilar E, **Shroyer NF**. Induces Quiescence of Colorectal Cancer Cells by Changing the Transcriptional Targets of  $\beta$ -catenin. *Gastroenterology*. 2017 Jul;153(1):205-218.e8.
2. Múnera JO, Sundaram N, Rankin SA, Hill D, Watson C, Mahe M, Vallance JE, **Shroyer NF**, Sinagoga KL, Zarzoso-Lacoste A, Hudson JR, Howell JC, Chatuvedi P, Spence JR, Shannon JM, Zorn AM, Helmuth MA, Wells JM. Differentiation of Human Pluripotent Stem Cells into Colonic Organoids via Transient Activation of BMP Signaling. *Cell Stem Cell*. 2017 Jul 6;21(1):51-64.e6.
3. Thorell K, Bengtsson-Palme J, Liu OH, Gonzales RV, Nookaew I, Rabeneck L, Paszat L, **Graham DY**, Nielsen J, Lundin SB, Sjöling Å. In vivo analysis of the viable microbiota and *Helicobacter pylori* transcriptome in gastric infection and early stages of carcinogenesis. *Infection and immunity*. 2017 Jul 10:IAI-00031.
4. Tanaka S, Nagashima H, Cruz M, Uchida T, Uotani T, Abreu JA, Mahachai V, Vilaichone RK, Ratanachu-ek T, Tshering L, **Graham DY**. Interleukin-17C in human *Helicobacter pylori* gastritis. *Infection and immunity*. 2017 Jul 24:IAI-00389.
5. **Shukla R, Salem M, Hou JK**. Use and Barriers to Chromoendoscopy for Dysplasia Surveillance in Inflammatory Bowel Disease. *World J Gastrointest Endosc*. 2017 Aug 16;9(8):359-367.
6. **Balakrishnan M**, George R, Sharma A, **Graham DY**. Changing Trends in Stomach Cancer Throughout the World. *Curr Gastroenterol Rep*. 2017 Aug;19(8):36.
7. Feagins LA, Waljee A, **Hou JK**, Gu P, Kanjo S, Rudrapatna V, Cipher DJ, Govani S, Gaidos J. Incidence of and Predictors for Early Discontinuation of Biological Therapies in Veteran Patients with Inflammatory Bowel Disease. *Inflamm Bowel Dis*. 2017 Aug;23(8):1434-1439.
8. Parian A, Limketkai B, Koh J, Brant SR, Bitton A, Cho JH, Duerr RH, McGovern DP, Proctor DD, Regueiro MD, Rioux JD, Schumm P, Taylor KD, Silverberg MS, Steinhart AH, **Hernaiz R**, Lazarev M. Appendectomy does not decrease the risk of future colectomy in UC: results from a large cohort and meta-analysis. *Gut*. 2017 Aug;66(8):1390-1397.
9. **El-Serag HB**, Zhu AX, Johnson MS. The treatment path in hepatocellular carcinoma. *Clin Adv Hematol Oncol*. 2017 Aug;15(Suppl 9):1-20.
10. **El-Serag HB**. Advances in the management of hepatocellular carcinoma. *Clinical advances in hematology & oncology: H&O*. 2017 Aug;15(8):2.
11. Abdelfatah MM, Barakat M, Lee H, Kim JJ, Uedo N, Grimm I, **Othman MO**. The incidence of lymph node metastasis in early gastric cancer according to the expanded criteria in comparison with the absolute criteria of the Japanese Gastric Cancer Association: a systematic review of the literature and meta-analysis. *Gastrointestinal endoscopy*. 2017 Sep 28.
12. **Hou JK**, Jones M, Lum D. Opening Doors for Urgent IBD Access: Harder than It Looks. *Inflamm Bowel Dis*. 2017 Sep;23(9):1470-1472
13. **Malaty HM**, Lo GH, **Hou JK**. Characterization and Prevalence of Spondyloarthritis and Peripheral Arthritis among Patients with Inflammatory Bowel Disease. *Clin Exp Gastroenterol*. 2017 Sep 27;10:259-263.
14. **Hou JK**, Lewis JD. Dietary Recommendations for Ulcerative Colitis Remain a Mystery. *Clin Gastroenterol Hepatol*. 2017 Sep;15(9):1350-1352.

15. **Graham DY**, Lu H, Shiotani A. Failure of optimized dual proton pump inhibitor amoxicillin therapy: What now?. Saudi journal of gastroenterology: official journal of the Saudi Gastroenterology Association. 2017 Sep;23(5):265.
16. **Kanwal F**, Pyne JM, Tavakoli-Tabasi S, Nicholson S, Dieckgraefe B, Storay E, Goetz MB, **Kramer JR**, Smith D, Sansgiry S, Tansel A, Gifford AL, Asch SM. A Randomized Trial of Off-Site Collaborative Care for Depression in Chronic Hepatitis C Virus. Health Serv Res. 2017 Sep 11.
17. **Hernaes R, Thrift AP**. High negative predictive value, low prevalence, and spectrum effect: caution in the interpretation. Clin Gastroenterol Hepatol. 2017 Sep;15(9):1355-1358.
18. Maret-Ouda J, Wahlin K, **El-Serag HB**, Lagergren J. Association between laparoscopic antireflux surgery and recurrence of gastroesophageal reflux. Jama. 2017 Sep 12;318(10):939-46.
19. Massarweh NN, **El-Serag HB**. Epidemiology of hepatocellular carcinoma and intrahepatic cholangiocarcinoma. Cancer Control. 2017 Sep 6;24(3):1073274817729245.
20. **Graham DY**. Illusions regarding Helicobacter pylori clinical trials and treatment guidelines. Gut. 2017 Sep 21:gutjnl-2017.
21. **Mindikoglu AL, Opekun AR, Sood GK**, Devaraj S. Impact of Time-Restricted Feeding and Dawn-to-Sunset Fasting on Circadian Rhythm, Obesity, Metabolic Syndrome, and Nonalcoholic Fatty Liver Disease. Gastroenterology research and practice. 2017;2017.
22. Redman JS, **Natarajan Y, Hou JK**, Wang J, Hanif M, Feng H, **Kramer JR**, Desiderio R, Xu H, **El-Serag HB, Kanwal F**. Accurate Identification of Fatty Liver Disease in Data Warehouse Utilizing Natural Language Processing. Dig Dis Sci. 2017 Oct;62(10):2713-2718.
23. Abdelfatah MM, Elhanafi S, Zuckerman MJ, **Othman MO**. Correlation between adenoma detection rate and novel quality indicators for screening colonoscopy. A proposal for quality measures tool kit. Scand J Gastroenterol. 2017 Oct;52(10):1148-1157.
24. **Hou JK**, Vanga RR, **Thakur E**, Gonzalez I, Willis D, Dindo L. One-Day Behavioral Intervention for Patients With Inflammatory Bowel Disease and Co-Occurring Psychological Distress. Clin Gastroenterol Hepatol. 2017 Oct;15(10):1633-1634
25. **Kanwal F, Kramer J**, Asch SM, Chayanupatkul M, Cao Y, **El-Serag HB**. Risk of Hepatocellular Cancer in HCV Patients Treated with Direct Acting Antiviral Agents. Gastroenterology. 2017 Oct;153(4):996-1005.e1.
26. Ngamruengphong S, Inoue H, Ujiki MB, Patel LY, Bapaye A, Desai PN, Dorwat S, Nakamura J, Hata Y, Balassone V, Onimaru M, Ponchon T, Pioche M, Roman S, Rivory J, Mion F, Garros A, Draganov PV, Perbtani Y, Abbas A, Pannu D, Yang D, Perretta S, Romanelli J, Desilets D, Hayee B, Haji A, Hajiyeva G, Ismail A, Chen YI, Bukhari M, Haito-Chavez Y, Kumbhari V, Saxena P, Talbot M, Chiu PW, Yip HC, Wong VW, **Hernaes R**, Maselli R, Repici A, Khashab MA. Efficacy and Safety of Peroral Endoscopic Myotomy for Treatment of Achalasia After Failed Heller Myotomy. Clin Gastroenterol Hepatol. 2017 Oct;15(10):1531-1537.e3.
27. Pandya P, **Kanwal F**. Adding to the evidence base: Effectiveness of hepatocellular carcinoma surveillance in clinical practice. Hepatol Commun. 2017 Oct 6;1(8):723-725.
28. **El-Serag HB**, Margaret M, Alkek AB. Current Status of Sorafenib Use for Treatment of Hepatocellular Carcinoma. Gastroenterology & hepatology. 2017 Oct;13(10):623.
29. **Tau JA, Pappas SC**. Editorial: hepatitis C Virus (HCV) Disease progression - HCV Cure and the Elimination of the "Ethnic Slope". Aliment Pharmacol Ther. 2017 Nov;46(10):1011-1012.

30. Chen Y, Zhou W, Roh T, **Estes MK**, Kaplan DL. In vitro enteroid-derived three-dimensional tissue model of human small intestinal epithelium with innate immune response. *PLoS One*. 2017 Nov 29;12(11):e0187880.
31. Lin M, **Kramer J**, **White D**, Cao Y, Tavakoli-Tabasi S, Madu S, Smith D, Asch SM, **El-Serag HB**, **Kanwal F**. Barriers to Hepatitis C Treatment in the Era of Direct Acting Antiviral Agents. *Aliment Pharmacol Ther*. 2017 Nov;46(10):992-1000.
32. **Kramer JR**, **El-Serag HB**, Taylor TJ, **White DL**, Asch SM, Frayne SM, Cao Y, Smith DL, **Kanwal F**. Hepatitis C Virus-Related Complications are Increasing in Women Veterans: A National Cohort Study. *J Viral Hepat*. 2017 Nov;24(11):955-965.
33. Hassan MM, Botrus G, Abdel-Wahab R, Wolff RA, Li D, Tweardy D, Phan AT, Hawk E, Javle M, Lee JS, Torres HA, Rashid A, Lenzi R, Hassabo HM, Abaza Y, Shalaby AS, Lacin S, Morris J, Patt YZ, Amos CI, **Khaderi SA**, Goss JA, **Jalal PK**, Kaseb AO. Estrogen Replacement Reduces Risk and Increases Survival Times of Women With Hepatocellular Carcinoma. *Clin Gastroenterol Hepatol*. 2017 Nov;15(11):1791-1799.
34. **Kaur M**, Singapura P, Kalakota N, Cruz G, **Shukla R**, Ahsan S, Tansel A, **Thrift AP**, **El-Serag HB**. Factors That Contribute to Indeterminate Results From the QuantiFERON-TB Gold In-Tube Test in Patients With Inflammatory Bowel Disease. *Clin Gastroenterol Hepatol*. 2017 Nov 23. pii: S1542-3565(17)31411-8.
35. Hu Y, Wan JH, Li XY, Zhu Y, **Graham DY**, Lu NH. Systematic review with meta-analysis: the global recurrence rate of *Helicobacter pylori*. *Alimentary pharmacology & therapeutics*. 2017 Nov;46(9):773-9.
36. **Kourkoupetis T**, **Jarbrink-Sehgal ME**. Melanoma metastatic to the duodenum. *N Engl J Med*. 2017 Dec 21;377(25):e34.
37. Wangda S, Richter JM, Kuenzang P, Wangchuk K, Choden T, Tenzin K, **Malaty HM**. Epidemiology of *Helicobacter pylori* infection in asymptomatic schoolchildren in Bhutan. *Helicobacter*. 2017 Dec;22(6).
38. Rana A, Witte ED, Halazun KJ, **Sood GK**, **Mindikoglu AL**, **Sussman NL**, **Vierling JM**, Kueht ML, Galvan NTN, Cotton RT, O'Mahony CA, Goss JA. Liver transplant length of stay (LOS) index: A novel predictive score for hospital length of stay following liver transplantation. *Clin Transplant*. 2017 Dec;31(12).
39. Camilleri M, Wilcox CM, **El-Serag HB**, **Kanwal F**. Anniversary Tribute From the Editors of Clinical Gastroenterology and Hepatology. *Clinical Gastroenterology and Hepatology*. 2017 Dec 1;15(12):1823-7.
40. Ayub K, **Ketwaroo G**, Abudayyeh S, Ibrahim A, **Cole RA**, Brumfield-Brown R, **Qureshi WA**, Rabeneck L, **Graham DY**. Mechanical Colon Cleansing for Screening Colonoscopy: a Randomized Controlled Trial. *J Dig Dis*. 2017 Dec;18(12):691-697.
41. Royse KE, **El-Serag HB**, Chen L, **White DL**, Hale L, Sangi-Haghpeykar H, **Jiao L**. Sleep Duration and Risk of Liver Cancer in Postmenopausal Women. *J Womens Health (Larchmt)*. 2017 Dec;26(12):1270-1277.
42. **Kourkoupetis T**, **Jarbrink-Sehgal ME**. Melanoma metastatic to the duodenum. *N Engl J Med*. 2017 Dec 21;377(25):e34.
43. Block TM, Alter H, Brown N, Brownstein A, Brosgart C, Chang KM, Chen PJ, Cohen C, **El-Serag H**, Feld J, Gish R. Research priorities for the discovery of a cure for chronic hepatitis B: report of a workshop. *Antiviral research*. 2017 Dec 14.

44. **Graham DY.** Letter: questions regarding the diagnostic performance of serum assays for atrophic gastritis. *Aliment Pharmacol Ther.* 2017 Dec;46(11-12):1117-1118.
45. **Shapiro JM, Gould Suarez M,** Turner TL. Cracking the Clinician Educator Code in Gastroenterology. *Clin Gastroenterol Hepatol.* 2017 Dec;15(12):1828-1832
46. **Jiao L,** Chen L, **White DL,** Tinker L, Chlebowski RT, Van Horn LV, Richardson P, Lane D, Sangi-Haghpeykar H, **El-Serag HB.** Low Fat-Dietary Pattern and Pancreatic Cancer Risk in the Women's Health Initiative Dietary Modification Randomized Controlled Trial. *J Natl Cancer Inst.* 2018 Jan 1;110(1).
47. Zou WY, Blutt SE, Zeng XL, Chen MS, Lo YH, Castillo-Azofeifa D, Klein OD, **Shroyer NF,** Donowitz M, **Estes MK.** Epithelial WNT Ligands are Essential Drivers of Intestinal Stem Cell Activation. *Cell Rep.* 2018 Jan 23;22(4):1003-1015.
48. Tayob N, Richardson P, **White DL,** Yu X, Davila JA, **Kanwal F,** Feng Z, **El-Serag HB.** Evaluating screening approaches for hepatocellular carcinoma in a cohort of HCV related cirrhosis patients from the Veteran's Affairs Health Care System. *BMC Med Res Methodol.* 2018 Jan 4;18(1):1.
49. Pratt PK Jr, David N, Weber HC, Little FF, **Kourkoupetis T,** Patts GJ, Weinberg J, Farraye FA. Antibody Response to Hepatitis B Virus Vaccine is Impaired in Patients With Inflammatory Bowel Disease on Infliximab Therapy. *Inflamm Bowel Dis.* 2018 Jan 18;24(2):380-386.
50. Rana A, Ackah RL, Webb GJ, Halazun KJ, **Vierling JM,** Liu H, Wu MF, Yoeli D, Kueht M, **Mindikoglu AL, Sussman NL,** Galván NT, Cotton RT, O'Mahony CA, Goss JA. No Gains in Long-Term Survival After Liver Transplantation Over the Past Three Decades. *Ann Surg.* 2018 Jan 4.
51. **Shukla R, Thakur E, Bradford A, Hou JK.** Caregiver Burden in Adults With Inflammatory Bowel Disease. *Clin Gastroenterol Hepatol.* 2018 Jan;16(1):7-15.
52. Zeuzem S, Foster GR, Wang S, Asatryan A, Gane E, Feld JJ, Asselah T, Bourlière M, Ruane PJ, Wedemeyer H, Pol S, Flisiak R, Poordad F, Chuang WL, Stedman CA, Flamm S, Kwo P, Dore GJ, Sepulveda-Arzola G, Roberts SK, Soto-Malave R, Kaita K, Puoti M, **Vierling J,** Tam E, Vargas HE, Bruck R, Fuster F, Paik SW, Felizarta F, Kort J, Fu B, Liu R, Ng TI, Pilot-Matias T, Lin CW, Trinh R, Mensa FJ. Glecaprevir-Pibrentasvir for 8 or 12 Weeks in HCV Genotype 1 or 3 Infection. *N Engl J Med.* 2018 Jan 25;378(4):354-369.
53. Bhakta D, **Graham DY, Chan J, El-Serag HB.** Lessons From Using Culture-Guided Treatment After Referral for Multiple Treatment Failures for Helicobacter pylori Infection. *Clin Gastroenterol Hepatol.* 2018 Jan 3. pii: S1542-3565(17)31538-0.
54. Hu Y, Wan JH, Li XY, Zhu Y, **Graham DY,** Lu NH. Editorial: recurrence of Helicobacter pylori infection-still the same after all these years... Authors' reply. *Aliment Pharmacol Ther.* 2018 Jan;47(1):132-133.
55. Rugge M, Meggio A, Pravadelli C, Barbareschi M, Fassan M, Gentilini M, Zorzi M, De Pretis G, **Graham DY,** Genta RM. Gastritis staging in the endoscopic follow-up for the secondary prevention of gastric cancer: a 5-year prospective study of 1755 patients. *Gut.* 2018 Jan 6;gutjnl-2017.
56. **Graham DY,** Miftahussurur M. Helicobacter pylori urease for diagnosis of Helicobacter pylori infection: A mini-review. *Journal of Advanced Research.* 2018 Jan 31.
57. **Mapakshi S, Kramer JR,** Richardson P, **El-Serag HB, Kanwal F.** Positive Predictive Value of ICD-10 Codes for Cirrhosis and its Related Complications. *Clin Gastroenterol Hepatol.* 2018 Feb 1. pii: S1542-3565(18)30113-7.

58. **Mindikoglu AL, Pappas SC.** New Developments in Hepatorenal Syndrome. *Clin Gastroenterol Hepatol.* 2018 Feb;16(2):162-177.e1.
59. **Balakrishnan M, El-Serag HB.** Editorial: NAFLD-related hepatocellular carcinoma - increasing or not? With or without cirrhosis? *Aliment Pharmacol Ther.* 2018 Feb;47(3):437-438.
60. Rana A, Sigireddi RR, Halazun KJ, Kothare A, Wu MF, Liu H, Kueht ML, **Vierling JM, Sussman NL, Mindikoglu AL,** Miloh T, Galvan NTN, Cotton RT, O'Mahony CA, Goss JA. Predicting Liver Allograft Discard: The Discard Risk Index. *Transplantation.* 2018 Feb 26.
61. **Hammad T,** Khan MA, Alastal Y, Lee W, Nawras A, Ismail MK, Kahaleh M. Efficacy and Safety of Lumen-Apposing Metal Stents in Management of Pancreatic Fluid Collections: Are They Better Than Plastic Stents? A Systematic Review and Meta-Analysis. *Dig Dis Sci.* 2018 Feb;63(2):289-301.
62. Webb GJ, Rana A, Hodson J, Akhtar MZ, Ferguson JW, Neuberger JM, **Vierling JM,** Hirschfield GM. Twenty-Year Comparative Analysis of Patients With Autoimmune Liver Diseases on Transplant Waitlists. *Clin Gastroenterol Hepatol.* 2018 Feb;16(2):278-287.e7.
63. Mittal S, **Kramer JR,** Omino R, Chayanupatkul M, Richardson PA, **El-Serag HB, Kanwal F.** Role of Age and Race in the Risk of Hepatocellular Carcinoma in Veterans with Hepatitis B Virus Infection. *Clin Gastroenterol Hepatol.* 2018 Feb;16(2):252-259.
64. Nell S, Estibariz I, Krebs J, Bunk B, **Graham DY,** Overmann J, Song Y, Spröer C, Yang I, Wex T, Korfach J, Malfertheiner P, Suerbaum S. Genome and Methylome Variation in *Helicobacter Pylori* with Cag Pathogenicity Island During Early Stages of Human Infection. *Gastroenterology.* 2018 Feb;154(3):612-623.e7.
65. Ngamruengphong S, Sharaiha R, Sethi A, Siddiqui A, DiMaio CJ, Gonzalez S, Rogart J, Jagroop S, Widmer J, Im J, Hasan RA, Laique S, Gonda T, Poneris J, Desai A, Wong K, Villgran V, Brewer Gutierrez O, Bukhari M, Chen YI, **Hernaes R,** Hanada Y, Sanaei O, Agarwal A, Kalloo AN, Kumbhari V, Singh V, Khashab MA. Fully-covered metal stents with endoscopic suturing vs. partially-covered metal stents for benign upper gastrointestinal diseases: a comparative study. *Endosc Int Open.* 2018 Feb;6(2):E217-E223.
66. **Graham DY,** Dore MP. Update on Use of Vonoprazan: a Competitive Acid Blocker (P-CAG). *Gastroenterology.* 2018 Feb;154(3):462-466.
67. Bernica J, Elhanafi S, Kalakota N, Jia Y, Dodoo C, Dwivedi A, Sealock RJ, Patel K, Rajman I, Zuckerman MJ, **Othman MO.** Cholangioscopy Is Safe and Feasible in Elderly Patients. *Clin Gastroenterol Hepatol.* 2018 Mar;16(8):1293-1299.e2.
68. **Mindikoglu AL, Pappas SC.** Predictors of Response to Terlipressin in Hepatorenal Syndrome. *Clin Gastroenterol Hepatol.* 2018 Mar 15;16(7):1174.
69. **Mindikoglu AL, Opekun AR,** Mitch WE, Magder LS, Christenson RH, Dowling TC, Weir MR, Seliger SL, Howell CD, Raufman JP, Rana A, Goss JA, **Khaderi SA, Vierling JM.** Cystatin C is a Gender-Neutral Glomerular Filtration Rate Biomarker in Patients with Cirrhosis. *Dig Dis Sci.* 2018 Mar;63(3):665-675.
70. Tang Z, Zhang DS, **Thrift AP, Patel KK.** Impact of Cap-assisted Colonoscopy on Learning Curve and Quality in Colonoscopy: a Randomized Controlled Trial. *Gastrointest Endosc.* 2018 Mar;87(3):723-732.e3.
71. **Kourkoumpetis T,** Royse KE, Chen L, Ravishankar M, Ittmann M, **El-Serag HB, Jiao L.** Differential Expression of Tight Junctions and Cell Polarity Genes in Human Colon Cancer. *Exploratory Research and Hypothesis in Medicine.* 2018 Mar 21;3(1):14-9.



72. **Tan MC, Graham DY.** Proton Pump Inhibitor Therapy After Helicobacter Pylori Eradication May Increase the Risk of Gastric Cancer. *BMJ Evid Based Med.* 2018 Mar 29. pii: bmjebm-2018-110935.
73. **El-Serag HB, Kao JY, Kanwal F, Gilger M, LoVecchio F, Moss SF, Crowe S, Elfant A, Haas T, Hapke RJ, Graham DY.** Houston Consensus Conference on Testing for Helicobacter pylori Infection in the United States. *Clin Gastroenterol Hepatol.* 2018 Mar;16(7):992-1002.e6.
74. VanWagner LB, **Kanwal F.** Hepatology in a Changing Health Care Landscape: A Call for Health Services Research. *Hepatology.* 2018 Mar 14.
75. Hsu PI, Tsay FW, **Graham DY, Tsai TJ, Tsai KW, Kao JY, Peng NJ, Kuo CH, Kao SS, Wang HM, Lin TF, Wu DC;** Taiwan Acid-related Disease (TARD) Study Group. Equivalent Efficacies of Reverse Hybrid and Bismuth Quadruple Therapies in Eradication of Helicobacter pylori Infection in a Randomized Controlled Trial. *Clin Gastroenterol Hepatol.* 2018 Mar 31. pii: S1542-3565(18)30328-8.
76. Alter H, Block T, Brown N, Brownstein A, Brosgart C, Chang KM, Chen PJ, Chisari FV, Cohen C, **El-Serag H, Feld J.** A research agenda for curing chronic hepatitis B virus infection. *Hepatology.* 2018 Mar;67(3):1127-31.
77. Roy S, Esmaeilniakooshkghazi A, Patnaik S, Wang Y, George SP, Ahrorov A, **Hou JK, Herron AJ, Sesaki H, Khurana S.** Villin-1 and Gelsolin Regulate Changes in Actin Dynamics That Affect Cell Survival Signaling Pathways and Intestinal Inflammation. *Gastroenterology.* 2018 Apr;154(5):1405-1420.e2
78. **Opekun AR, Gonzales SA, Al-Saadi MA, Graham DY.** Brief Report: Lactobacillus Bulgaricus GLB44 (Proviotic™) plus Esomeprazole for H. pylori Eradication: a Pilot Study. *Helicobacter.* 2018 Apr;23(2):e12476.
79. Biggerstaff KS, Frankfort BJ, Orengo-Nania S, Garcia J, Chiao E, **Kramer JR, White D.** Validity of code based algorithms to identify primary open angle glaucoma (POAG) in Veterans Affairs (VA) administrative databases. *Ophthalmic Epidemiol.* 2018 Apr;25(2):162-168.
80. Chew EY, Varghese BT, **Sealock RJ.** Pancreatic duct rendezvous with pancreatoscopy through the minor papilla. *VideoGIE.* 2018 Apr 1;3(4):132-4.
81. **Khan A, Abdelfatah MM, Othman M.** Screening and Surveillance of Barrett' s Esophagus with Confocal Endomicroscopy and Volumetric Laser Endoscopy. *Techniques in Gastrointestinal Endoscopy.* 2018 Apr 25.
82. Wang Z, **Graham DY, Khan A, Balakrishnan M, Abrams HR, El-Serag HB, Thrift AP.** Incidence of gastric cancer in the USA during 1999 to 2013: a 50-state analysis. *Int J Epidemiol.* 2018 Apr 16.
83. Khan MA, **Hammad T, Khan Z, Lee W, Gaidhane M, Tyberg A, Kahaleh M.** Endoscopic Versus Percutaneous Management for Symptomatic Pancreatic Fluid Collections: A systematic Review and Meta-Analysis. *Endosc Int Open.* 2018 Apr;6(4):E474-E483.
84. Chhatwal J, Chen Q, Ayer T, Bethea ED, **Kanwal F, Kowdley KV, Wang X, Roberts MS, Gordon SC.** Hepatitis C virus re-treatment in the era of direct-acting antivirals: projections in the USA. *Alimentary pharmacology & therapeutics.* 2018 Apr;47(7):1023-31.
85. Chhatwal J, **Kanwal F.** Cost-Effectiveness and Decision Analysis in Clinical Gastroenterology and Hepatology: From Evidence to Informed Decision Making. *Clin Gastroenterol Hepatol.* 2018 Apr;16(4):459-461.

86. **Järbrink-Sehgal ME**, Schmidt PT, Sköldbberg F, Hemmingsson T, Hagström H, Andreasson A. Lifestyle Factors in Late Adolescence Associate With Later Development of Diverticular Disease Requiring Hospitalization. *Clin Gastroenterol Hepatol*. 2018 Apr;16(9):1474-1480.e1.
87. **Thakur ER, Shapiro J, Chan J**, Lumley MA, Cully JA, **Bradford A, El-Serag HB**. A Systematic Review of the Effectiveness of Psychological Treatments for IBS in Gastroenterology Settings: Promising but in Need of Further Study. *Dig Dis Sci*. 2018 May 10.
88. **Mindikoglu AL, Opekun AR**, Putluri N, Devaraj S, Sheikh-Hamad D, **Vierling JM**, Goss JA, Rana A, **Sood GK, Jalal PK**, Inker LA, Mohny RP, Tighiouart H, Christenson RH, Dowling TC, Weir MR, Seliger SL, Hutson WR, Howell CD, Raufman JP, Magder LS, Coarfa C. A Unique Metabolomic Signature Associated with Hepatorenal Dysfunction and Mortality in Cirrhosis. *Transl Res*. 2018 May;195:25-47.
89. **Sussman NL**, Kelly JH. Extracorporeal cellular therapy (ELAD) in severe alcoholic hepatitis: A multinational, prospective, controlled, randomized trial. *Liver Transpl*. 2018 May;24(5):711.
90. Zeuzem S, Serfaty L, **Vierling J**, Cheng W, George J, Sperl J, Strasser S, Kumada H, Hwang P, Robertson M, Wahl J, Barr E, Talwani R, Platt H. The safety and efficacy of elbasvir and grazoprevir in participants with hepatitis C virus genotype 1b infection. *J Gastroenterol*. 2018 May;53(5):679-688.
91. Jones D, Manns MP, Terracciano L, Torbenson M, **Vierling JM**. Unmet Needs and New Models for Future Trials in Autoimmune Hepatitis. *Lancet Gastroenterol Hepatol*. 2018 May;3(5):363-370.
92. **Kramer JR**, Puenpatom A, Erickson KF, Cao Y, Smith D, **El-Serag HB, Kanwal F**. Real-world effectiveness of elbasvir/grazoprevir In HCV-infected patients in the US veterans affairs healthcare system. *J Viral Hepat*. 2018 May 31.
93. **Hernaes R, Kanwal F, El-Serag HB**. HCC Screening is Associated with Survival Benefit in the in an Silico but Needs Confirmation in an Vivo Analysis. *Hepatology*. 2018 May 10;68(1):7-9.
94. Zou WY, **El-Serag HB**, Sada YH, Temple SL, Sansgiry S, **Kanwal F**, Davila JA. Determinants and Outcomes of Hospice Utilization Among Patients with Advance-Staged Hepatocellular Carcinoma in a Veteran Affairs Population. *Digestive diseases and sciences*. 2018 May 1;63(5):1173-81.
95. Asrani SK, Kouznetsova M, Ogola G, Taylor T, Masica A, Pope B, Trotter J, Kamath P, **Kanwal F**. Increasing Healthcare Burden of Chronic Liver Disease Compared to Other Chronic Diseases, 2004–2013. *Gastroenterology*. 2018 May 23.
96. Hsu YC, Ho HJ, Lee TY, Huang YT, Wu MS, Lin JT, Wu CY, **El-Serag HB**. Temporal trend and risk determinants of hepatocellular carcinoma in chronic hepatitis B patients on entecavir or tenofovir. *Journal of viral hepatitis*. 2018 May;25(5):543-51.
97. Qureshi T, Sparkman J, **Husain N**. Emphysematous Gastritis in a Patient with Abdominal Pain after Dialysis. *Clin Gastro Hepatol*. Epub 2018 May.
98. **Chayanupatkul M, Gould Suarez M, Sealock RJ**. Colonic Schwannoma Diagnosed by Endoscopic Ultrasound with Fine-Needle Aspiration. *Clin Gastroenterol Hepatol*. 2018 May;16(5):A29-A30
99. **Qureshi WA**. Office Management of Hemorrhoids *Am J Gastroenterol*. 2018 Jun;113(6):795-798.
100. **Shah R**, Ho EY, **Kramer JR**, Richardson P, Sansgiry S, **El-Serag HB, Hou JK**. Hepatitis B Virus Screening and Reactivation in a National VA Cohort of Patients with Inflammatory Bowel Disease Treated with Tumor Necrosis Factor Antagonists. *Dig Dis Sci*. 2018 Jun;63(6):1551-1557.

101. **Tan MC**, Kanthasamy KA, Yeh AG, Kil D, Pompeii L, Yu X, **El-Serag HB**, **Thrift AP**. Factors Associated With Recurrence of Barrett's Esophagus After Radiofrequency Ablation. *Clin Gastroenterol Hepatol*. 2018 Jun 11. pii: S1542-3565(18)30595-0.
102. **Balakrishnan M**, George R, Sharma A, **Graham DY**, **Malaty HM**. An Investigation into the Recent Increase in Gastric Cancer in the USA. *Dig Dis Sci*. 2018 Jun;63(6):1613-1619.
103. Frenette CT, Morelli G, Shiffman ML, Frederick RT, Rubin RA, Fallon MB, Cheng JT, Cave M, **Khaderi SA**, Massoud O, Pirsopoulos N, Park JS, Robinson JM, Yamashita M, Spada AP, Chan JL, Hagerty DT. Emricasan Improves Liver Function in Patients With Cirrhosis and High Model for End-stage Liver Disease Scores Compared With Placebo. *Clin Gastroenterol Hepatol*. 2018 Jun 15. pii: S1542-3565(18)30622-0.
104. **Tan MC**, **El-Serag HB**, Yu X, **Thrift AP**. Acid suppression medications reduce risk of oesophageal adenocarcinoma in Barrett's oesophagus: a nested case-control study in US male veterans. *Aliment Pharmacol Ther*. 2018 Jun 29.
105. Wang Z, Shaheen NJ, Whiteman DC, Anderson LA, Vaughan TL, Corley DA, **El-Serag HB**, Rubenstein JH, **Thrift AP**. Helicobacter pylori Infection Is Associated With Reduced Risk of Barrett's Esophagus: An Analysis of the Barrett's and Esophageal Adenocarcinoma Consortium. *Am J Gastroenterol*. 2018 Jun 8.
106. Nguyen T, **Khan A**, Liu Y, **El-Serag HB**, **Thrift AP**. The Association Between Statin Use After Diagnosis and Mortality Risk in Patients With Esophageal Cancer: A Retrospective Cohort Study of United States Veterans. *Am J Gastroenterol*. 2018 Jun 27.
107. Yeomans ND, **Graham DY**, Husni ME, Solomon DH, Stevens T, Vargo J, Wang Q, Wisniewski LM, Wolski KE, Borer JS, Libby P, Lincoff AM, Lüscher TF, Bao W, Walker C, Nissen SE; PRECISION investigators. Randomized Clinical Trial: Gastrointestinal Events in Arthritis Patients Treated with Celecoxib, Ibuprofen or Naproxen in the PRECISION Trial. *Aliment Pharmacol Ther*. 2018 Jun;47(11):1453-1463.
108. **Hernaez R**, **El-Serag HB**. How we approach it: treatment options for hepatocellular carcinoma. *Am J Gastroenterol*. 2018 Jun;113(6):791-794.
109. Tapper EB, **Kanwal F**, Asrani SK, Ho C, Ovchinsky N, Poterucha J, Flores A, Smith JE, Ankoma-Sey V, Luxon B, Volk ML. Patient Reported Outcomes in Cirrhosis: A Scoping Review of the Literature. *Hepatology*. 2018 Jun;67(6):2375-2383.
110. Chhatwal J, Samur S, Bethea ED, Ayer T, **Kanwal F**, Hur C, Roberts MS, Terrault N, Chung RT. Transplanting HCV-positive livers into HCV-negative patients with preemptive antiviral treatment: A modeling study. *Hepatology*. 2018 Jun;67(6):2085-2095.
111. **Graham DY**, Tansel A. Interchangeable use of proton pump inhibitors based on relative potency. *Clinical Gastroenterology and Hepatology*. 2018 Jun 1;16(6):800-8.
112. Yeomans ND, **Graham DY**. Editorial: gastrointestinal safety of COX-2 selective and nonselective NSAIDs-the impact of the PRECISION trial. Authors' reply. *Aliment Pharmacol Ther*. 2018 Jun;47(11):1546-1547.
113. Millien VO, Sharma A, Jain S, **Sealock RJ**. Rare Collision Tumor of the Biliary Tract. *ACG Case Rep J*. 2018 Jun 20;5:e46.
114. Lee YC, Asaka M, **Graham DY**. Editorial: Helicobacter pylori and gastric cancer in Alaskan Natives: Time to stop studying H. pylori and to eradicate it. *Helicobacter*. 2018 Jun;23(3):e12478.

# AWARDS & HONORS

**Agarwal, Arevalo Santana, Chan, Hou, Othman, Patel:** Top Gastroenterologist in the City of Houston

**Agarwal:** Associate Program Director for Baylor St. Luke's Medical Center

**Anandasabapathy:** Texas Executive Women's 2017 Class of Women on the Move

**Anandasabapathy:** Houston Top Doctors and Texas Top Doctors

**Bradford:** Clinical Supervisor between the Section of Gastroenterology and Hepatology and the Department of Psychiatry

**Cole:** Woman of Excellence at Baylor College of Medicine

**Estes:** Two Prestigious American Gastroenterological Association Recognitions: William Beaumont Prize in Gastroenterology and Distinguished Mentor Award

**Husain:** Facilitator for the Critical Thinking and Problem Solving Course within the first year curriculum for medical students

**Othman:** Star Faculty Award for Excellence in Patient Care

**Qureshi:** Number one-selling video in the Endoscopic Learning Library of the American Society for Gastrointestinal Endoscopy- "Evaluation of the ano-rectum: physical and endoscopic examination."

**Shukla:** Ben Taub Internal Medicine Core Clerkship Site Director

**Vierling:** Elected to Fellowship in the American Gastroenterological Association

**Vierling:** Dr. Charles S. Lieber Lecture at DDW 2018. "Mechanisms of Autoimmune-Associated Liver Injury – How Are PBC, PSC and Autoimmune Hepatitis Alike and Different?"



## PROFESSIONAL ORGANIZATIONS/ASSOCIATION OFFICES HELD

**Anandasabapathy:** Chair Elect, *AGA Women Committee*

**El-Serag:** Vice President, *American Gastroenterological Association (AGA)*

**Gould Suarez:** Member, *AGA Women Committee*

**Gould Suarez:** Member, *ACG Patient Care Committee*

**Hernaes:** Member, *AASLD Practice Guideline Committee*

**Hou:** National VA Committee Member, *IBD Technical Advisory Group*

**Hou:** Chair of Colon Subcommittee, *AGA GI Training Examination Committee*

**Hou:** Chapter Medical Advisory Committee Co-Chair, *Crohn's and Colitis Foundation of America (CCFA) South Texas Chapters*

**Ketwaroo:** Chair, *AGA training and Early Career Committee*

**Kanwal:** Chair, *AASLD Practice Metrics Committee*

**Kanwal:** Editor-in-Chief, *Clinical Gastroenterology and Hepatology (CGH)*

**Kanwal:** Member, *National VA Advanced Liver Disease Technical Advisory Board*

**Natarajan:** Member, *American Gastroenterological Association's (AGA) Government Affairs Committee*

**Sealock:** Member, *ASGE Annual Scientific Program Committee*

**Shah:** Member, *Crohn's & Colitis Foundation of America (CCFA) Patient Education Committee*

**Shukla:** Member, *Crohn's & Colitis Foundation of America (CCFA) Professional Membership Committee*

**Vierling:** Member Writing Group, *AASLD Practice Guidelines*

# PRESS

- **Kanwal:** *Gastroenterology*. Direct-acting antivirals reduce liver cancer risk. <http://www.medicaleconomics.com/medical-economics/news/direct-acting-antivirals-reduce-liver-cancer-risk> (Jun 2017)
- **Qureshi:** World Congress of Gastroenterology at ACG 2017 meeting. “Office Management of Acute Thrombosed Hemorrhoids in a Pregnant Patient.” (Jul 2017)
- **Anandasabapathy:** *The Hindu*. “Emergency smart pods for India a possibility.” <https://www.thehindu.com/news/cities/chennai/emergency-smart-pods-for-india-a-possibility/> (Oct 2017)
- **Hou:** *GI & Hepatology News*. “One-Day Behavioral Therapy for IBD Patients.” <https://www.mdedge.com/gihepnews/clinical-edge/summary/ibd-intestinal-disorders/one-day-behavioral-therapy-ibd-patients> (Oct 2017)
- **El-Serag:** KVEO’s *RGVproud*. “October Is Liver Cancer Awareness Month.” <https://www.kveo.com/news/local-news/october-is-liver-cancer-awareness-month/> (Nov 2017)
- **Shukla:** BCM’s Momentum Series. “Healthy Habits: Planning meals, setting exercise goals key for Dr. Richa Shukla.” <https://blogs.bcm.edu/2017/11/13/healthy-habits-dr-richa-shukla/> (Nov 2017)
- **Jiao:** American Institute for Cancer’s *Cancer Research Update*. “Low-Fat Diet Effective in Reducing Pancreatic Cancer Risk Among Overweight Women.” [http://www.aicr.org/cancer-research-update/2017/11\\_29/cru-low-fat-diet-pancreatic-cancer.html](http://www.aicr.org/cancer-research-update/2017/11_29/cru-low-fat-diet-pancreatic-cancer.html) (Dec 2017)
- **Kanwal:** *MD Magazine*. “Researchers May Have Confirmed Whether HCV Treatment Poses Liver Cancer Risk .” <https://www.mdmag.com/medical-news/researchers-may-have-confirmed-whether-hcv-treatment-poses-liver-cancer-risk> (Dec 2017)
- **Mittal:** *Healio*. “10 reports from 2017 on liver cancer incidence rates, major risk factors.” <https://www.healio.com/hepatology/oncology/news/online> (Jan 2018)
- **Estes and Shroyer:** BCM’s *Cell Reports*. Researchers gain insight into how the intestine repairs itself. <https://www.bcm.edu/news/molecular-virology-and-microbiology/how-the-intestine-repairs-itself> (Jan 2018)
- **Hussain:** National VA Transplant Conference. (Feb 2018)
- **Chan:** *Clinical Gastroenterology and Hepatology*. “Physician Burnout: The Hidden Health Care Crisis.” [https://www.cghjournal.org/article/S1542-3565\(17\)30790-5/fulltext](https://www.cghjournal.org/article/S1542-3565(17)30790-5/fulltext) (Mar 2018)
- **Graham:** first annual Stefan S. Nicolau Lecture-- Carol Davila University of Medicine in Bucharest, Romania. “Helicobacter pylori: a bacterial cause of gastric cancer.” (Mar 2018)
- **Gould Suarez:** Colon Cancer Coalition. “Faces of Blue: Milena Gould Suarez, M.D.” <https://coloncancercoalition.org/2018/03/09/faces-of-blue-milena-gould-suarez-m-d/> (Mar 2018)

- **Hernaes:** VA Liver Cancer Team Educational Seminar Series. “Curative and Palliative Therapies for HCC.” (Apr 2018)
- **Estes:** Baylor’s From The Labs. “Type of injury matters, when healing the small intestine.” <https://blogs.bcm.edu/2018/03/20/type-of-injury-matters-when-healing-the-small-intestine/> (Mar 2018)
- **Qureshi:** BCM DocTalk. “Colorectal Cancer Awareness Month.” (Mar 2018)
- **Graham:** Fifth Annual Ertan Lectureship at UT McGovern Medical School. “Helicobacter Pylori as a Bacterial Cause of Gastric Cancer.” (Apr 2018)
- **Hou:** *Time*. “You Asked: What Is Inflammation, And Why Should I Care About It?” <http://time.com/5235368/what-is-inflammation/> (Apr 2018)
- **Graham:** Gastrointestinal Endoscopy and Video GIE. "Meet the Master." <https://youtu.be/VoRLbLt6PU> (May 2018)
- **Bradford:** *The Wall Street Journal*. “A Surprise Medical Solution: Hypnosis.” <https://www.wsj.com/articles/a-surprise-medical-solution-hypnosis-1525698883> (May 2018)
- **Gould Suarez:** *CBS Houston*. “Colorectal Cancer Awareness.” <https://houston.cbslocal.com/2017/05/07/colorectal-cancer-awareness-5-7-17/> (May 2018)

# GRANTS

## **Anandasabapathy**

- MPI: High Resolution Microendoscopy for the Management of Esophageal Neoplasia. National Cancer Institute (NCI); R01-CA181275. 9/1/2017-8/31/2018
- A Low-Cost Tethered Capsule Endoscope for Esophageal Cancer Screening. National Institutes of Health (NIH); R21-EB023431. 1/1/2017-12/31/2018
- NCE 3 – EZPOD: Enhanced Zero-Impact, Emergency Smart Pod. Paul G. Allen Family Foundation; 11965. 5/2/2018-10/31/2018
- High Resolution Microendoscopy for the Management of Esophageal Neoplasia. National Institutes of Health (NIH)/ National Cancer Institute (NCI); R01 CA181275. 7/1/2014-8/31/2019
- A Low-Cost Tethered Capsule Endoscope for Esophageal Cancer Screening. National Institutes of Health (NIH)/ National Cancer Institute (NCI); R21CA212691. 9/1/2016-8/31/2018
- Automated, Augmented Reality High Resolution Microendoscopy for the Management of Esophageal Neoplasia. National Institutes of Health (NIH)/ National Cancer Institute (NCI); R01CA181275. 9/1/2016-8/31/2018
- ezPod: Enhanced Zero-Impact, Emergency Smart Pod. The Paul G. Allen Family Foundation; Science & Technology – Ebola Program. 9/01/2015-10/31/2018
- Optical Systems for In Vivo Molecular Cancer Imaging. National Institutes of Health (NIH)/ National Cancer Institute (NCI); R01 CA103830. 9/3/2013-8/31/2018

## **Balakrishnan**

- GS1944: A Phase 3 Randomized Double-Blind, Placebo-Controlled Study Evaluating the Safety and Efficacy of Selonsertib in Subjects with Compensated Cirrhosis Due to Nonalcoholic Steatohepatitis (NASH). Gilead Sciences, Inc. 2019
- INT 747-304: A Phase 3, Double-Blind, Randomized, Placebo-Controlled, Multicenter Study to Evaluate the Efficacy and Safety of Obeticholic Acid in Subjects with Compensated Cirrhosis due to Nonalcoholic Steatohepatitis. Intercept Pharmaceuticals. 2019

## **El-Serag**

- The Texas Hepatocellular Carcinoma Consortium (THCCC). Cancer Prevention & Research Institute of Texas (CPRIT). RP150587. 6/1/2018-5/31/2019
- Effect of Aspirin on Biomarkers of Barrett's Esophagus after Successful Eradication of Barrett's Esophagus with Radiofrequency Ablation. National Cancer Institute (NCI); HHSN-26120120003414929. 6/15/2016-6/14/2019
- Center of Gastrointestinal Infection and Injury. National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK); P30-DK056338. 3/1/2018-2/28/2019
- Research Training in Gastroenterology. National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK); T32-DK083266. 2/1/2018-1/31/2019
- Extrahepatic manifestations of hepatitis C. Merck, Sharp & Dhome, Corp. 09/01/2016-12/31/2018

## **Finnell**

- Folate Pathway Neural Tube Defects. March of Dimes; 6-FY16-169. 6/1/2018-5/31/2019
- Intervention Strategies for Non-Folate Responsive Neural Tube Defects. National Institute of Child Health and Human Development (NICHD); R01-HD083809. 2/1/2019-8/1/31/2019



- Folic Acid, Parental Mutation Rates and the Risk for Neural Tube Defects. National Institute of Child Health and Human Development (NICHD); R01-HD081216. 7/1/2018-6/30/2019

### **Hou**

- Patient-Centered Comparative Effectiveness of Colorectal Cancer Surveillance in IBD. AHCPR-Agency for Healthcare Research and Quality (AHRQ); K08-HS024122. 8/1/2018-7/31/2019
- Advanced IBD Fellowship; Balor College of Medicine. Pfizer, Inc; Pfizer Fellowship. 7/1/2018-6/30/2019
- A Multicenter, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Safety and Efficacy of ABT-494 For Induction and Maintenance Therapy in subjects with Moderately to Severely Active Ulcerative Colitis. Abbvie Inc. 2019
- A Multi Center Open-Label Extension Study to Assess the Safety and Tolerability of LYC-30937-EC in Subjects with Active Ulcerative Colitis. Lycera Corp. 2019

### **Kanwal**

- A Personalized Surveillance program for Hepatocellular Carcinoma. American Cancer Society; RSG-17-022-01-CPPB. 7/1/2018-6/30/2019
- Cirrhosis Quality Collaborative. American Association for the Study of Liver Disease. 9/1/2018-8/31/2021
- Patient Centered Care for Individuals with Advanced Liver Disease. HSR&D IIR 16-075; I01 HX-002204-01. 4/01/18-3/31/21
- Effectiveness of Zepatier™ (elbasvir (EBR)/grazoprevir (GZR)) co-administered with Ribavirin (RBV) treatment for 16 weeks duration in chronic hepatitis C virus (HCV) genotype 1a (GT1a)-infected patients with selected baseline NS5A resistance associated substitutions: A retrospective observational analysis of the US Veterans Health Administration (VHA) National Data. Merck, Sharp & Dhome, Corp. 01/01/2018-08/31/2018
- Real-world effectiveness and impact of elbasvir/grazoprevir on outcomes among HCV-infected patients. Merck, Sharp & Dhome, Corp. 09/01/2016-12/31/2018

### **Kaur**

- A Phase 2B, Randomized, Double-Blind, Placebo-controlled, Parallel-Group, Multicenter Protocol to Evaluate the Safety and Efficacy of JNJ-64304500 in Subjects with Moderately to Severely Active Crohn's Disease. Janssen Research & Development, LLC. 2019
- A Phase 4 Open-Label Study to Evaluate Vendolizumab IV Dose Optimization on Treatment Outcomes in Nonresponses with Moderately to Severely Active Ulcerative Colitis (Enterpret). Takeda Global Research & Development Center, Inc. 2019

### **Lo**

- Transcription Factors in Intestinal Differentiation and Cancer. National Cancer Institute (NCI); F99-CA212443. 9/21/2016-8/31/2018

### **Mittal**

- Prevent HCC – By Screening, Vaccination and Treatment of Viral Hepatitis. Cancer Prevention & Research Institute of Texas (CPRIT); PP160089. 8/31/2017-8/30/2018

### **Opekun**

- QA Purity, Activity and Ancillary Testing of Commercially Available Gras-Listed Enzymes (Does Not Include Human or Animal Studies). Association in Transformational Oncology Management (ATOM); Testing Agreement. 3/1/2016-3/11/2019

## **Othman**

- Population Screening for Familial Chylomicronemia Syndrome (“FCS”). Akcea Therapeutics, Inc. 3/13/2018-3/12/2019
- Phase IIA Trial Evaluating the Safety of Intratumoral Injection of Nanopac in Subjects with Locally Advanced Pancreatic Adenocarcinoma. US Biotest, Inc. 2019.
- A Trial Evaluating Escalating Doses and the Safety of Intracystic Injection of Nanopac in Subjects with Mucinous Cystic Pancreatic Neoplasms. US Biotest, Inc. 2019.

## **Shroyer**

- MPI-Investigation of Regional Identity in Human Intestinal Stem Cells—Subcontract. National Institutes of Health (NIH); U01-DK103117. 9/1/2017-8/31/2018
- Nutrigenomics of Intestinal Vitamin D Action. National Institutes of Health (NIH); R01-DK112365. 4/1/2018-3/31/2019

## **Thrift**

- Prevent HCC – By Screening Vaccination and Treatment of Viral Hepatitis. Cancer Prevention & Research Institute of Texas (CPRIT); PP160089. 8/31/2017-8/30/2018

## **Vierling**

- A Phase 2b, Dose-Ranging, Randomized, Double-Blind, Placebo-Controlled Trial Evaluating The Safety And Efficacy Of GS-6624, A Monoclonal Antibody Against Lysyl Oxidase Like 2 (LOXL2) In Subjects With Primary Sclerosing Cholangitis (PSC). Gilead GS-US-321-0102. 3/2013 – 12/2016
- A Follow-Up Study To Assess Resistance And Durability Of Response To Abbvie Direct-Acting Antiviral Agent (DAA) Therapy In Subjects Who Participated In Phase 2 Or 3 Clinical Studies For The Treatment Of Chronic Hepatitis C Virus (HCV) Infection. Abbvie M13-102. 7/2013 – 12/2016
- Clinical Utility Of Cepheid Xpert® HCV VL Assay. CEPHEID 167A US-IVD. 5/2015 – 12/2016
- A Phase II, Randomized, Open-Label Clinical Trial To Study The Efficacy And Safety Of The Combination Regimen Of MK-5172 And MK-3682 With Either MK-8742 Or MK-8408 In Subjects With Chronic HCV GT1 And GT2 Infection. Merck 3682-011. 8/2015 – 01/2017
- A Phase 3, Global, Multicenter, Randomized, Open-Label Study to Investigate the Safety and Efficacy of Sofosbuvir/Velpatasvir/GS 9857 Fixed-Dose Combination for 8 Weeks Compared to Sofosbuvir/Velpatasvir for 12 Weeks in Subjects with Chronic Genotype 3 HCV Infection and Cirrhosis. Gilead Polaris 3 GS-US-367-1173, 2/2016 – 11/2016
- A Phase 3, Double Blind, Placebo Controlled Trial And Long Term Safety Extension Of Obeticholic Acid In Patients With Primary Biliary Cirrhosis. Intercept 747-301. 1/2012 – OPEN
- A Long-Term Follow-Up Study Of Subjects Who Participated In A Clinical Trial In Which BMS-650032 And/Or BMS-790052 Was Administered For The Treatment Of Chronic Hepatitis C. BMS AI444-046. 2/2012 – OPEN
- A Long-Term Follow-Up Study To Evaluate The Durability Of Virologic Response And/Or Viral Resistance Patterns Of Subjects With Chronic Hepatitis C Who Have Been Previously Treated With MK-5172 In A Prior Clinical Trial. Merck MK5172-017. 1/2013 – OPEN
- A Phase 2b, Dose-Ranging, Randomized, Double-Blind, Placebo-Controlled Trial Evaluating The Safety And Efficacy Of GS-6624, A Monoclonal Antibody Against Lysyl Oxidase-Like 2 (LOXL2), In Subjects With Advanced Liver Fibrosis But Not Cirrhosis Secondary To Non-Alcoholic Steatohepatitis (NASH). Gilead GS-US-321-0105. 3/2013 – 2/2017
- A Phase 2b, Dose-Ranging, Randomized, Double-Blind, Placebo-Controlled Trial Evaluating The Safety And Efficacy Of GS-6624, A Monoclonal Antibody Against Lysyl Oxidase-Like 2 (LOXL2), In

- Subjects With Compensated Cirrhosis Secondary To Non-Alcoholic Steatohepatitis (NASH). Gilead GS-US-321-0106. 3/2013 – 2/2017
- Multicenter, Randomized Phase 2B Study To Evaluate The Efficacy, Safety And Tolerability Of OCR-002 (Ornithine Phenylacetate) In Hospitalized Patients With Cirrhosis And Associated Hyperammonemia With An Episode Of Hepatic Encephalopathy (STOP-HE). Ocera Therapeutics OCR002-HE209. 10/2013 – 2/2017
  - A Randomized, Global, Double-blind, Placebo-controlled, Parallel-group Study to Evaluate the Efficacy and Safety of Once-daily Oral Avatrombopag for the Treatment of Adults with Thrombocytopenia Associated with Liver Disease Prior to an Elective Procedure. Eisai E5501-G000-310. 4/2014 – 3/2017
  - An Open-Label Study to Evaluate the Safety and Efficacy of Ombitasvir/AB450/Ritonavir and Dasabuvir with or without Ribavirin (RBV) in Adults with Genotype 1 Chronic Hepatitis C Virus (HCV) Infection, with Severe Renal Impairment or End-Stage Renal Disease (RUBY-I). AbbVie M14-226. 9/2014 – 1/2017
  - A Phase 3b, Double-Blind, Randomized, Placebo-Controlled, Multicenter Study Evaluating the Effect of Obeticholic Acid on Clinical Outcomes in Subjects with Primary Biliary Cirrhosis. Intercept 747-302. 12/2014 – OPEN
  - A Phase II, Randomized, Double-blind, Placebo-controlled Study of IMM-124E for Patients with Non-alcoholic Steatohepatitis. Immuron IMM-124E-2001. 12/2014 – 6/2017
  - A Randomized, Open-Label, Multicenter Study to Evaluate the Efficacy, Safety, and Pharmacokinetics of Co-Administration of ABT-493 and ABT-530 With and Without RBV in Subjects With Chronic Hepatitis C Virus (HCV) Genotype 2 or Genotype 3 Infection (SURVEYOR-II). AbbVie M14-868. 1/2015 – 3/2017
  - Clinical Study Of The Breathid® System To Train The Algorithm For The <sup>13</sup>C-Octanoate Breath Test With Or Without The <sup>13</sup>C-Methacetin Breath Test (OBT And MBT Respectively) For Correlation With Histological Findings Of Non-Alcoholic Fatty Liver Disease (NAFLD). Exalenz NASH-EX-1114. 5/2015 – 8/2017
  - A Phase II, Randomized, Open-Label Clinical Trial To Study The Efficacy And Safety Of The Combination Regimen Of MK-5172 And MK-3682 With Either MK-8742 Or MK-8408 In Subjects With Chronic HCV GT3 Infection. Merck 3682-012. 7/2015 – 1/2017
  - A Multicenter, Randomized, Placebo-Controlled, Double-Blind, Parallel-Group, Phase 2 Clinical Trial to Evaluate the Safety and Efficacy of GR-MD-02 for the Treatment of Liver Fibrosis and Resultant Portal Hypertension in Patients with NASH Cirrhosis. The NASH-CX Trial. GALECTIN GT-026. 9/2015 – OPEN
  - A Randomized, Double-Blind, Placebo-Controlled, Parallel Group, Multiple Dose Study to Evaluate the Safety, Pharmacokinetics and Pharmacodynamic Effects of BMS-986036 in Adults with Non-alcoholic Steatohepatitis. BMS MB130045. 9/2015 – 1/2018
  - A Randomized, Open-Label, Multicenter Study to Evaluate the Efficacy, Safety, and Pharmacokinetics of Co-Administration of ABT-493 and ABT-530 With and Without RBV in Subjects With Chronic Hepatitis C Virus (HCV) Genotype 2 or Genotype 3 Infection (SURVEYOR-II). AbbVie M14-868. 1-2015 – 3/2017
  - Clinical Study Of The Breathid® System To Train The Algorithm For The <sup>13</sup>C-Octanoate Breath Test With Or Without The <sup>13</sup>C-Methacetin Breath Test (OBT And MBT Respectively) For Correlation With Histological Findings Of Non-Alcoholic Fatty Liver Disease (NAFLD). Exalenz NASH-EX-1114. 5/2015 – 8/2017

- A Phase II, Randomized, Open-Label Clinical Trial To Study The Efficacy And Safety Of The Combination Regimen Of MK-5172 And MK-3682 With Either MK-8742 Or MK-8408 In Subjects With Chronic HCV GT3 Infection. Merck 3682-012. 7/2015 – 1/2017
- A Multicenter, Randomized, Placebo-Controlled, Double-Blind, Parallel-Group, Phase 2 Clinical Trial to Evaluate the Safety and Efficacy of GR-MD-02 for the Treatment of Liver Fibrosis and Resultant Portal Hypertension in Patients with NASH Cirrhosis. The NASH-CX Trial. GALECTIN GT-026. 9/2015 – OPEN
- A Randomized, Double-Blind, Placebo-Controlled, Parallel Group, Multiple Dose Study to Evaluate the Safety, Pharmacokinetics and Pharmacodynamic Effects of BMS-986036 in Adults with Non-alcoholic Steatohepatitis. BMS MB130045. 9/2015 – 1/2018
- Phase 3, Double-Blind, Randomized, Long-Term, Placebo-Controlled, Multicenter Study Evaluating the Safety and Efficacy of Obeticholic Acid in Subjects with Nonalcoholic Steatohepatitis. The REGENERATE Study: Intercept 747-303. 10/2015 – OPEN
- A Randomized, Open-Label, Active-Controlled, Multicenter Study to Compare Efficacy and Safety of ABT-493/ABT-530 to Sofosbuvir Co-Administered with Ribavirin in Adults with Chronic Hepatitis C Virus Genotype 3 Infection (ENDURANCE-3). AbbVie M13-594. 10/2015 – 7/2017
- A Phase 3, Global, Multicenter, Randomized, Double-Blind, Placebo-Controlled Study to Investigate the Safety and Efficacy of Sofosbuvir/Velpatasvir/GS-9857 Fixed-Dose Combination for 12 Weeks in Direct-Acting Antiviral-Experienced Subjects with Chronic HCV Infection. Gilead Polaris 1 GS-US-367-1171. 10/2015 – 7/2017
- A Phase 3, Global, Multicenter, Randomized, Double-Blind, Placebo-Controlled Study to Investigate the Safety and Efficacy of Sofosbuvir/Velpatasvir/GS-9857 Fixed-Dose Combination for 12 Weeks in Direct-Acting Antiviral-Experienced Subjects with Chronic HCV Infection. Polaris 2 GS-US-367-1172. 10/2015 – 2/2017
- A Phase II, Randomized, Open-Label Clinical Trial to Study The Efficacy and Safety of the Combination Regimen of MK-3682B (MK-5172 + MK-3682 + MK-8408 Fixed Dose Combination (FDC)) in Subjects with Chronic HCV GT1 or GT3 Infection who have failed a Direct Acting Antiviral Regimen. Merck 3682-021. 1/2016 – OPEN
- A Phase 3, Global, Multicenter, Randomized, Open-Label Study to Investigate the Safety and Efficacy of Sofosbuvir/Velpatasvir/GS-9857 Fixed-Dose Combination for 12 Weeks and Sofosbuvir/Velpatasvir for 12 Weeks in Direct-Acting Antiviral-Experienced Subjects with Chronic HCV Infection who Have Not Received an NS5A Inhibitor. Gilead Polaris 4 GS-US-367-1170. 3/2016 – 2/2017
- A Phase 2, Pilot Study of JKB-122 to Assess Liver Tests (ALT) in Autoimmune Hepatitis Patients who are Refractory or Intolerant to Current Therapies. TaiwanJ JKB-122AIH. 6/2016- OPEN
- A Phase 2, Randomized, Double Blind, Placebo Controlled, Parallel Group, Multiple Center Study to Evaluate the Safety, Tolerability, and Efficacy of NGM282 Administered for 12 Weeks in Patients with Primary Sclerosing Cholangitis (PSC). NGM 15-0106. 6/2016 – 8/2017
- A Multicenter, Randomized, Double-Blind, Placebo- Controlled Trial of Emricasan (IDN-6556), an Oral Caspase Inhibitor, in Subjects with Non-alcoholic Steatohepatitis (NASH) Fibrosis. Conatus IDN-6556-12. 03/2016 – OPEN
- A Multi-Center, Randomized, Placebo-Controlled, Double-Blind Study to Confirm Efficacy and Safety of Terlipressin in Subjects with Hepatorenal Syndrome Type 1 (The Confirm Study). Mallinckrodt Pharmaceuticals, Inc. MNK 19013058. 08/2016 – OPEN



- A Randomized, Double-Blind, Placebo Controlled, 2- Part, Adaptive Design, Multicenter 12-Week Study To Assess Safety, Tolerability And Efficacy Of LJN452 In Patients With Non-Alcoholic Steatohepatitis (NASH). Novartis CLJN425A2202. 06/2016 – OPEN
- A Multicentre Randomized, Double-Blind, Placebo- Controlled Phase III Study To Evaluate The Efficacy And Safety Of Elafibranor In Patients With Non-Alcoholic Steatohepatitis (Nash) And Fibrosis. Genfit GFT505-315-1 NASH. 09/2016 – OPEN
- A Long Term Follow-up Registry for Subjects Who Achieve a Sustained Virologic Response to Treatment in Gilead-Sponsored Trials in Subjects with Chronic Hepatitis C Infection (SVR Registry). Gilead Sciences, Inc. GS-US-248-0122. 1/2017 – OPEN
- An 8-week, dose ranging, open label, randomized, Phase 2 study with an 18-week extension, to evaluate the safety and efficacy of MBX-8025 in subjects with Primary Biliary Cholangitis (PBC) and an inadequate response to or intolerance to ursodeoxycholic acid (UDCA). CymaBay Therapeutics, Inc. CB8025-21629. 2/2017 – OPEN
- A Phase 2 Double-Blind, Randomized, Placebo-controlled, Dose-finding Study to Evaluate the Safety, Tolerability and Efficacy of Volixibat Potassium, an Apical Sodium-Dependent Bile Acid Transporter Inhibitor (ASBTi) in Adults with Nonalcoholic Steatohepatitis (NASH). Shire SHP626-201. 3/2017 – OPEN
- A Multicenter, Randomized, Double-Blind, Placebo-Controlled Trial of Emricasan, an Oral Caspase Inhibitor, in Subjects with Non-Alcoholic Steatohepatitis (NASH) Cirrhosis and Severe Portal Hypertension. Conatus Pharmaceuticals IDN-6556-14. 4/2017 – OPEN
- A Registry for Subjects with Cirrhosis Who Achieve a Sustained Virologic Response Following Treatment with a Sofosbuvir-Based Regimen without Interferon for Chronic Hepatitis C Infection. Gilead GS-US-337-1431 - LTFU with Cirrhosis. 4/2017 – OPEN
- Procurement of Blood Samples from Subjects with Diagnosed Nonalcoholic Steatohepatitis (NASH) or Nonalcoholic Fatty Liver Disease (NAFLD) for Use in the Development of a Liver Fibrosis Test. Prometheus 16HEP01. 5/2017 – OPEN
- A Phase 2, Randomized, Double-Blind, Placebo Controlled Study Evaluating the Safety, Tolerability, and Efficacy of GS-9674 in Subjects with Primary Biliary Cholangitis Without Cirrhosis. Gilead Sciences, Inc. GS-US-427-4024. 5/2017 – OPEN
- A Phase 2, Randomized, Double-Blind, Placebo Controlled Study Evaluating the Safety, Tolerability, and Efficacy of GS-9674 in Subjects with Primary Sclerosing Cholangitis Without Cirrhosis. Gilead Sciences, Inc. GS-US-428-4025. 5/2017 – OPEN
- A Multicenter, Double-Blind, Randomized, Placebo-Controlled, Phase 2 Study to Evaluate the Efficacy and Safety of Elafibranor at Doses of 80mg and 120mg After 12 Weeks of Treatment in Patients With Primary Biliary Cholangitis and Inadequate Response to Ursodeoxycholic Acid. GenFit GFT505B-216-1. 6/2017 – OPEN
- A Phase 3, Randomized, Double-Blind, Placebo-Controlled Study Evaluating the Safety and Efficacy of Selonsertib in Subjects with Nonalcoholic Steatohepatitis (NASH) and Bridging (F3) Fibrosis. Gilead Sciences, Inc. GS-US-384-1943. 6/2017 – OPEN
- A Phase 3, Randomized, Double-Blind, Placebo-Controlled Study Evaluating the Safety and Efficacy of Selonsertib in Subjects with Compensated Cirrhosis due to Nonalcoholic Steatohepatitis (NASH). Gilead Sciences, Inc. GS-US-384-1944. 6/2017 – OPEN
- A Multicenter, Randomized, Double-Blind, Placebo- Controlled Trial of Emricasan, an Oral Caspase Inhibitor, in Subjects with Decompensated Non-Alcoholic Steatohepatitis (NASH) Cirrhosis. Conatus IDN-6556-17. 6/2017 - OPEN

- A Phase 2a, randomized, double-blind, placebo-controlled, dose-ranging, parallel group study to evaluate safety, tolerability, and pharmacodynamics of PF 05221304 administered daily for 16-weeks to adult subjects with nonalcoholic fatty liver disease. Pfizer C1171002. 8/2017 - OPEN
- A Double-Blind, Randomized, Placebo-Controlled Clinical Trial to Assess the Efficacy and Safety of Oral GKT137831 in Patients with Primary Biliary Cholangitis Receiving Ursodeoxycholic Acid and with Persistently Elevated Alkaline Phosphatase. Genkyotex GSN000300. 02/2018 – OPEN
- A Phase 2 Dose Ranging, Randomized, Double Blind, and Placebo-Controlled Study Evaluating the Safety, Tolerability, Pharmacokinetics and Efficacy of EDP-305 in Subjects with Non-Alcoholic Steatohepatitis (NASH). Enanta EDP 305-101. 5/2018 – OPEN
- An Open Label Long-Term Study to Evaluate the Safety and Tolerability of Seladelpar in Subjects with Primary Biliary Cholangitis (PBC). CymaBay CB8025-31731. 5/2018 – OPEN
- A Phase 3, Double-Blind, Randomized, Placebo-Controlled, Multicenter Study to Evaluate the Efficacy and Safety of Obeticholic Acid in Subjects with Compensated Cirrhosis due to Nonalcoholic Steatohepatitis. Intercept 747-304. 5/2018 – OPEN
- A Phase 1, Double-Blind, Randomized, Placebo-Controlled Study to Evaluate Safety, Pharmacokinetics, and Pharmacodynamics of Obeticholic Acid in Subjects with Nonalcoholic Steatohepatitis with Fibrosis. Intercept 747-117. 5/2018 – 6/2018
- A two-part randomized, double-blind, placebo-controlled multicenter dose ranging and confirmatory study to assess the safety and efficacy of VAY736 in autoimmune hepatitis patients with incomplete response to or intolerance of standard therapy (AMBER). Novartis VAY B2201. 5/2018 - OPEN
- A Phase 2 Dose Ranging, Randomized, Double Blind, Placebo-Controlled Study Evaluating the Safety, Tolerability, Pharmacokinetics and Efficacy of EDP-305 in Subjects with Primary Biliary Cholangitis (PBC) with or without an Inadequate Response to Ursodeoxycholic Acid (UDCA). Enanta EDP 305-201. 3/2018 - OPEN