

- 1) Shiraya T, Araki F, Ueta T, Fukunaga H, Totsuka K, Arai T, Uemura A, Moriya K, Kato S. Ursodeoxycholic Acid Attenuates the Retinal Vascular Abnormalities in Anti-PDGFR- β Antibody-Induced Pericyte Depletion Mouse Models. *Sci Rep* . 2020 Jan 22;10(1):977
- 2) Mizoguchi M, Matsumoto Y, Saito R, Sato T, Moriya K. Direct antibiotic susceptibility testing of blood cultures of gram-negative bacilli using the Drug Susceptibility Testing Microfluidic (DSTM) device. *J Infect Chemother* . 2020 Feb 27. pii:
- 3) Fangping Jia, Pan Diao, Xiaojing Wang, Xiao Hu, Takefumi Kimura, Makoto Nakamuta, Ibuki Nakamura, Saki Shirotori, Yoshiko Sato, Kyoji Moriya, Kazuhiko Koike, Frank J Gonzalez, Jun Nakayama, Toshifumi Aoyama, Naoki Tanaka Dietary Restriction Suppresses Steatosis-Associated Hepatic Tumorigenesis in Hepatitis C Virus Core Gene Transgenic Mice *Liver Cancer* 2020 : 529-548
- 4) Yuta Okada, Yuka Yagihara, Yoshitaka Wakabayashi, Gene Igawa, Ryoichi Saito, Yoshimi Higurashi, Mahoko Ikeda, Keita Tatsuno, Shu Okugawa, Kyoji Moriya Epidemiology and virulence-associated genes of *Clostridioides difficile* isolates and factors associated with toxin EIA results at a university hospital in Japan *Microbiology Society* 2020 vol2
- 5) Itsuki Osawa, Koh Okamoto, Mahoko Ikeda, Amato Otani, Yuji Wakimoto, Marie Yamashita, Takayuki Shinohara, Yoshiaki Kanno, Daisuke Jubishi, Makoto Kurano, Sohei Harada, Shu Okugawa, Yutaka Yatomi, Kyoji Moriya. Dynamic changes in fibrinogen and D-dimer levels in COVID-19 patients on nafamostat mesylate. *Journal of Thrombosis and Thrombolysis* 2020.1-8
- 6) Kazuya Okushin, Takeya Tsutsumi, Kazuhiko Ikeuchi, Akira Kado, Kenichiro Enooku, Hidetaka Fujinaga, Naoko Yamauchi, Tetsuo Ushiku, Kyoji Moriya, Hiroshi Yotsuyanagi, Kazuhiko Koike. Heterozygous knockout of Bile salt export pump ameliorates liver steatosis in mice fed a high-fat diet. *PloS one* vol15 e0234750
- 7) Tomoyasu Shiraya, Fumiyuki Araki, Takashi Ueta, Hisako Fukunaga, Kiyohito Totsuka, Takahiro Arai, Akiyoshi Uemura, Kyoji Moriya, Satoshi Kato. Ursodeoxycholic Acid Attenuates the Retinal Vascular Abnormalities in Anti-PDGFR- β Antibody-Induced Pericyte Depletion Mouse Models. *Scientific Reports* 2020 vol10.1-8
- 8) Satoshi Kitaura, Yoshitaka Wakabayashi, Aiko Okazaki, Yuta Okada, Koh Okamoto, Mahoko Ikeda, Shu Okugawa, Kyoji Moriya. The First Case Report of Acute Symptomatic HEV Genotype 4 Infection in an HIV-positive Patient in Japan *Internal Medicine* 2020 4505-4520

- 9) Pan Diao, Xiaojing Wang, Fangping Jia, Takefumi Kimura, Xiao Hu, Saki Shirotori, Ibuki Nakamura, Yoshiko Sato, Jun Nakayama, Kyoji Moriya, Kazuhiko Koike, Frank J Gonzalez, Toshifumi Aoyama, Naoki Tanaka. A saturated fatty acid rich diet enhances steatogenesis and liver tumorigenesis in HCV core gene transgenic mice. *Journal of Nutritional Biochemistry* 2020 Nov;85
- 10) Takayuki Shinohara, Amato Otani, Marie Yamashita, Yuji Wakimoto, Daisuke Jubushi, Koh Oakmoto, Yoshiaki Kanno, Mahoko Ikeda, Kazunaga Ishigaki, Yosuke Nakai, Sohei Harada, Shu Okugawa, Kazuhiko Koike, Kyoji Moriya. Acute Pancreatitis During COVID-19 Pneumonia. *Pancreas* Nov/Dec 2020; 49(10): e106-e108
- 11) Yamamoto S, Ikeda M, Kanno Y, Okamoto K, Okugawa S, Moriya K. Microbiological analysis of infectious lymphocele: Case series and literature review. *J Infect Chemother* 2020 Sep 5;S134
- 12) Kent Doi, Mahoko Ikeda, Naoki Hayase, Kyoji Moriya, Naoto Morimura. Nafamostat mesylate treatment in combination with favipiravir for patients critically ill with Covid-19: a case series. *Critical Care* 2020 Vol24. 1 1-4
- 13) Usui Y, Ayibieke A, Kamiichi Y, Okugawa S, Moriya K, Tohda S, Saito R. Impact of deoxycholate on *Clostridioides difficile* growth, toxin production, and sporulation. *Heliyon* 2020 Apr 13;6(4)
- 14) Kobayashi T, Nakajima K, Oshima Y, Ikeda M, Kitaura S, Ikeuchi K, Okamoto K, Okada Y, Ohama Y, Higurashi Y, Okugawa S, Moriya K. First Reported Human Case of Spondylodiscitis by *Staphylococcus condimentii*: A Case Report and Literature Review. *Intern Med* 2020 Oct 7.
- 15) Yuta Okada, Yuka Yagihara, Yoshitaka Wakabayashi, Gene Igawa, Ryoichi Saito, Yoshimi Higurashi, Mahoko Ikeda, Keita Tatsuno, Shu Okugawa, Kyoji Moriya. Epidemiology and virulence-associated genes of *Clostridioides difficile* isolates and factors associated with toxin EIA results at a university hospital in Japan. *Access Microbiol* 2020 Vol2e000086
- 16) Kitaura S, Wakabayashi Y, Okazaki A, Okada Y, Okamoto K, Ikeda M, Okugawa S, Moriya K. The First Case Report of Acute Symptomatic HEV Genotype 4 Infection in an HIV-positive Patient in Japan. *Intern Med* . 2020 Jul 1;59(13):
- 17) Mizoguchi M, Matsumoto Y, Saito R, Sato T, Moriya K. Direct antibiotic susceptibility testing of blood cultures of gram-negative bacilli using the Drug Susceptibility Testing Microfluidic (DSTM) device. *J Infect Chemother* 2020 Jun;26(6):554-562
- 18) Kitaura S, Okamoto K, Wakabayashi Y, Okada Y, Okazaki A, Ikeda M, Hakuta R, Nakai Y, Okugawa S, Koike K, Moriya K. *Vibrio fluvialis* Liver Abscess and Bacteremia

in a Sashimi Lover: A Case Report and Review of the Literature. *Open Forum Infect Dis* . 2020 Jun 6;7

19) Yuri Ishihara, Koh Okamoto, Hironori Shimosaka, Yoshikazu Ono, Yoshiaki Kanno, Mahoko Ikeda, Sohei Harada, Makoto Kurano, Shu Okugawa, Kyoji Moriya, Yutaka Yatomi Prevalence and clinical characteristics of patients with biologically false-positive reactions with serological syphilis testing in contemporary practice: 10-year experience at a tertiary academic hospital. *Sexually Transmitted Infections* 2020

20) Aira Kado, Takeya Tsutsumi, Kazuhiko Ikeuchi, Kazuya Okushin, Kenichiro Enooku, Hidetaka Fujinaga, Kyoji Moriya, Hiroshi Yotsuyanagi, Kazuhiko Koike Difference between antinuclear antibody-positive nonalcoholic steatohepatitis and autoimmune hepatitis based on differential patterns of peripheral T lymphocytes *Journal of Hepatology* 2020 vol73 S427-428

21) Yuta Okada, Shu Okugawa, Mahoko Ikeda, Tatsuya Kobayashi, Ryoichi Saito, Yoshimi Higurashi, Kyoji Moriya Genetic diversity and epidemiology of accessory gene regulator loci in *Clostridioides difficile* *Access Microbiology* 2020 acmi000134

22) Alafate Ayibieke, Ayumi Kobayashi, Masato Suzuki, Wakana Sato, Samiratu Mahazu, Isaac Prah, Miyuki Mizoguchi, Kyoji Moriya, Takaya Hayashi, Toshihiko Suzuki, Shiroh Iwanaga, Anthony Ablordey, Ryoichi Saito Prevalence and characterization of carbapenem-hydrolyzing class D β -lactamase-producing *Acinetobacter* isolates from Ghana *Front Microbiol* . 2020; 11: 587398.

23) Oyama, Megumi Yasunaga, Akira Honda, Hiroaki Maki, Yosuke Masamoto, Tatsuya Kobayashi, Yoshitaka Wakabayashi, Shu Okugawa, Kyoji Moriya, Mineo Kurokawa Severe cellulitis caused by *Achromobacter xylosoxidans* after allogeneic hematopoietic stem cell transplantation *Journal of Infection and Chemotherapy* 2021

24) Tatsuya Kobayashi, Koji Nakajima, Yasushi Oshima, Mahoko Ikeda, Satoshi Kitaura, Kazuhiko Ikeuchi, Koh Okamoto, Yuta Okada, Yuki Ohama, Yoshimi Higurashi, Shu Okugawa, Kyoji Moriya First Reported Human Case of Spondylodiscitis by *Staphylococcus condimentii*: A Case Report and Literature Review *Internal Medicine* 2021. 5180-20

25) Kakisaka K, Sakai A (co-first), Yoshida Y, Miyasaka A, Takahashi F, Sumazaki R, Takikawa Y. Hepatitis B surface antibody titers at one and two years after hepatitis B virus vaccination in healthy young Japanese adults. *Internal Medicine* 2019 Aug 15;58(16):2349-2355.

26) Nishimura K, Yamana K, Fukushima S, Fujioka K, Miyabayashi H, Murabayashi M, Masunaga K, Okahashi A, Nagano N, Morioka I: Comparison of two hepatitis B

vaccination strategies targeting vertical transmission: A 10-year Japanese multicenter prospective cohort study. *Vaccines (Basel)*. 2021; 9(1): 58.

27) Yato K, Onodera T, Matsuda M, Moriyama S, Fujimoto A, Watashi K, Aizaki H, Tanaka T, Moriishi K, Nishitsuji H, Shimotohno K, Tamura K, Takahashi Y, Wakita T, Muramatsu M, Kato T, Suzuki R. Identification of Two Critical Neutralizing Epitopes in the Receptor Binding Domain of Hepatitis B Virus preS1. *J Virol*. 2020 Dec 9:JVI.01680-20. doi: 10.1128/JVI.01680-20. Online ahead of print. PMID: 33298539.

28) Li Y, Que L, Fukano K, Koura M, Kitamura K, Zheng X, Kato T, Aly HH, Watashi K, Tsukuda S, Aizaki H, Watanabe N, Sato Y, Suzuki T, Suzuki HI, Hosomichi K, Kurachi M, Wakae K, Muramatsu M MCP1P1 reduces HBV-RNA by targeting its epsilon structure. *Sci Rep*. 2020 Nov 27;10(1):20763. doi: 10.1038/s41598-020-77166-z. PMID:33247161

29) Gewaid H, Aoyagi H, Arita M, Watashi K, Suzuki R, Sakai S, Kumagai K, Yamaji T, Fukasawa M, Kato F, Hishiki T, Mimata A, Sakamaki Y, Ichinose S, Hanada K, Muramatsu M, Wakita T, Aizaki H. Sphingomyelin Is Essential for the Structure and Function of the Double-Membrane Vesicles in the Viral RNA Replication Factories. *J Virol*. 2020 Sep 16: JVI.01080-20. doi: 10.1128/JVI.01080-20. PMID: 32938759

30) Wakae K, Kondo S, Pham HT, Wakisaka N, Que L, Li Y, Zheng X, Fukano K, Kitamura K, Watashi K, Aizaki H, Ueno T, Moriyama-Kita M, Ishikawa K, Nakanishi Y, Endo K, Muramatsu M, Yoshizaki T. EBV-LMP1 induces APOBEC3s and mitochondrial DNA hypermutation in nasopharyngeal cancer. *Cancer Med*. 2020 Aug 20. doi: 10.1002/cam4.3357. MID: 32815637

31) Fujimi TJ, Mezaki Y, Masaki T, Tajima A, Nakamura M, Yoshikawa A, Murai N, Aizawa M, Kojima S, Matsumoto Y, Aizaki H, Matsuura T. Investigation of the effects of urea cycle amino acids on the expression of ALB and CEBPB in the human hepatocellular carcinoma cell line FLC-4. *Hum Cell*. 2020 Jul; 33(3):590-598. doi: 10.1007/s13577-020-00383-1. Epub 2020 May 30. PMID: 32474770

32) Kong L, Aoyagi H, Yang Z, Ouyang T, Matsuda M, Fujimoto A, Watashi K, Suzuki R, Arita M, Yamagoe S, Dohmae N, Suzuki T, Suzuki T, Muramatsu M, Wakita T, Aizaki H. Surfeit 4 contributes to the replication of hepatitis C virus using double membrane vesicles. *J Virol*. 2020 Jan 6; 94(2). pii: e00858-19. doi:10.1128/JVI.00858-19. Print 2020 Jan 6.

33) Yotsuyanagi H, Takano T, Tanaka M, Amano K, Imamura M, Ogawa K, Yasunaka T, Yasui Y, Hayashi K, Tanaka Y, Tajiri H; Japanese adolescent HBV-HCC study group. Hepatitis B virus-related hepatocellular carcinoma in young adults: Efficacy of nationwide selective vaccination. *Hepatol Res*. 50(2), 182-9, 2020.

1)

2)

3)

Sato T, Takemura A, Ikeyama Y, Sakamaki Y, Mimata A, Aoyagi H, Aizaki H, Sekine S, Ito K, Transmission electron microscopy of the benzbromarone-induced change in mitochondrial morphology in HepG2 cells, *Fundam. Toxicol. Sc.*, 6(8):281-286. 2019
Watanabe N, Suzuki T, Date T, Hussan HA, Hmwe SS, Aizaki H, Sugiyama M, Mizokami M, Delaney Iv W, Cheng G, Muramatsu M, Wakita T. Establishment of infectious genotype 4 cell culture-derived hepatitis C virus. *J Gen Virol.* 2019 Dec 20. doi: 10.1099/ jgv.0.001378. PMID: 31859613

Iwamoto M, Saso W, Nishioka K, Ohashi H, Sugiyama R, Ryo A, Ohki M, Yun JH, Park SY, Ohshima T, Suzuki R, Aizaki H, Muramatsu M, Matano T, Iwami S, Sureau C, Wakita T, Watashi K. The machinery for endocytosis of epidermal growth factor receptor coordinates the transport of incoming hepatitis B virus to the endosomal network. *J Biol Chem.* 2019 Dec 12. pii: jbc. AC119.010366. doi: 10.1074/jbc.AC119.010366. PMID: 31836663

Nakajima S, Watashi K, Fukano K, Tsukuda S, Wakae K, Aizaki H, Muramatsu M, Wakita T, Toyoda T. Non-nucleoside hepatitis B virus polymerase inhibitors identified by an in vitro polymerase elongation assay. *J Gastroenterol.* 2019 Nov 25. doi: 10.1007/s00535-019-01643-0. PMID: 31768802

Kong L, Aoyagi H, Yang Z, Ouyang T, Matsuda M, Fujimoto A, Watashi K, Suzuki R, Arita M, Yamagoe S, Dohmae N, Suzuki T, Suzuki T, Muramatsu M, Wakita T, Aizaki H. Surfeit 4 contributes to the replication of hepatitis C virus using double membrane vesicles. *J Virol.* 2019 Oct 23. pii: JVI.00858- 19. doi: 10.1128/JVI.00858-19. PMID: 31645450

4)

5)

54 令和1年度 厚生労働行政推進調査事業費(肝炎等克服緊急対策研究事業)

肝炎ウイルスの新たな感染防止 -残された課題・今後の対策- 55

6) Hatanaka T, Naganuma A, Tateyama Y, Yoshinari F, Hoshino T, Sato K, Hmwe SS, Aizaki H, Wakita T, Kakizaki S, Uraoka

T. Ledipasvir and Sofosbuvir for Acute Hepatitis C Virus Mono-infection Associated with a High Risk of Acute Liver Failure: A

Case Report. *Intern Med.* 2019 Jun 27. doi: 2) 10.2169/internalmedicine.2982-19. PMID: 31243225

7) Iwamoto M, Saso W, Sugiyama R, Ishii

K, Ohki M, Nagamori S, Suzuki R, Aizaki H, Ryo A, Yun JH, Park SY, Ohtani N, Muramatsu M, Iwami S, Tanaka Y, Sureau C, Wakita T, Watashi K. Epidermal growth factor receptor is a host-entry cofactor triggering hepatitis B virus internalization. *Proc Natl Acad Sci U S A*. 2019 Apr 23;116(17):8487-8492. doi: 10.1073/pnas.1811064116. Epub 2019 Apr 5. PMID: 30952782

8) Suzuki R, Matsuda M, Shimoike T, Watashi K, Aizaki H, Kato T, Suzuki T, Muramatsu M, Wakita T. Activation of protein kinase R by hepatitis C virus RNA-dependent RNA polymerase. *Virology*. 2019 Mar;529:226-233. doi: 10.1016/j.virol.2019.01.024. Epub 2019 4) Jan 29. PMID: 30738360

9) Bang BR, Li M, Tsai KN, Aoyagi H, Lee SA, Machida K, Aizaki H, Jung JU, Ou JJ, Saito T. Regulation of Hepatitis C Virus Infection by Cellular Retinoic Acid Binding Proteins through the Modulation of Lipid Droplet Abundance. *J Virol*. 2019 Apr 3;93(8). pii: e02302-18. doi: 10.1128/JVI.02302-18. 2019 Apr 15. PMID:30728260

10) Fukano K, Tsukuda S, Oshima M, Suzuki R, Aizaki H, Ohki M, Park SY, Muramatsu M, Wakita T, Sureau C, Ogasawara Y, Watashi K. Troglitazone Impedes the Oligomerization of Sodium Taurocholate Cotransporting Polypeptide and Entry of Hepatitis B Virus Into Hepatocytes. *Front Microbiol*. 2019 Jan 8;9:3257. doi:10.3389/fmicb.2018.03257. eCollection 2018. PMID: 30671048 5