

研究成果の刊行に関する一覧表

雑誌

1) Tokimatsu I, Fujikura Y, Matsumoto T, Tsukada H, Miki M, Morinaga Y, Sato J, Takahashi S, Hasegawa N, Yanagisawa H, Sasaki T, Tamaru N, Takahashi H, Kurai D, Uwamino Y, Kudo M, Nagano Y, Youkou A, Kawasaki S, Tabata A, Iinuma Y, Miyajima Y, Yamamoto Y, Mikamo H, Ohta H, Maruyama T, Nakamura A, Shirano M, Fujikawa Y, Fukumori T, Ogawa T, Kakeya H, Yoshida K, Utsunomiya K, Kobashi Y, Tokuyasu H, Hino S, Yatera K, Fujita M, Yanagihara K, Kosai K, Hiramatsu K, Muranaka H, Shinzato T. Nationwide surveillance of antibacterial susceptibility in bacterial respiratory pathogens in Japan, 2022–2023. J Infect Chemother. 2025 Oct;31(10):102781. doi: 10.1016/j.jiac.2025.102781.

2) Mukae H, Iwanaga N, Horita N, Komiya K, Maruyama T, Shindo Y, Imamura Y, Yatera K, Yamamoto Y, Yanagihara K, Shime N, Senda K, Takahashi H, Higa F, Matsumoto T, Miki M, Teramoto S, Tsukada H, Yoshida M, Miyashita N; members of the systematic review team of the Japanese Respiratory Society for the Japanese Clinical Practice Guidelines for Pneumonia in Adults 2024. The JRS guideline for the management of pneumonia in adults 2024. Respir Investig. 2025 Sep;63(5):811–828.

3) Tsuchihashi Y, Tamura K, Matsumoto K, Mitsushima S, Fujiya Y, Kuronuma K, Tanabe Y, Kasahara K, Maruyama T, Gotoh K, Nakamatsu M, Oshima K, Abe S, Nishi J, Arakawa Y, Ikebe T, Sunagawa T, Akeda Y, Oishi K; Adult STSS Study Group. Comparative analysis of streptococcal toxic shock syndrome caused by three β -hemolytic

streptococcal species in Japan. Int J Infect Dis. 2025 Sep;158:107962. doi: 10.1016/j.ijid.2025.107962.

4) 高松優光, 常彬, 明田幸宏, 渡邊浩, 田邊嘉也, 黒沼幸治, 大島謙吾, 丸山貴也, 仲松正司, 阿部修一, 笠原敬, 西順一郎, 横山彰仁. 成人侵襲性肺炎球菌感染症 (IPD) の起因菌におけるペニシリン耐性の状況. 病原微生物検出情報月報. 47(2), 30-31, 2026. 02.

5) Sugimoto S, Terasawa Y, Tani N, Yamanaka K, Kinjo Y. Periplasmic Serine Protease Prc is Responsible for Amyloid Subunit CsgA Degradation and Proteostasis in *Escherichia coli*. J Mol Biol. 2025, 437(21):169418.

6) 林崎浩史, 上井康寛, 遠藤裕介, 金城雄樹. ミトコンドリア代謝制御を介した濾胞性ヘルパーNKT細胞の分化機構. 臨床免疫・アレルギー科 2025; 84(4): 290-297.

7) Gotoh K, and Kakimoto K. Transition of yellow fever immunization environment in Japan. J Infect Chemother. 2025 Mar 21:102685. doi:10.1016/j.jiac.2025.102685.

8) Gotoh K, Hamada N, Kashiwagi T, Hara K, and Watanabe H. Identification of pathogens causing fever in returning travelers using next-generation sequencing. Trop Med Health. 2025 Jun 13;53(1):80. doi:10.1186/s41182-025-00763-z.

9) Miyake A, Gotoh K, Miyazaki H, Okumiya K, Tanaka Y, Mizuochi T, and Watanabe H. Molecular epidemiology and pathogenicity analysis of community-acquired MRSA in Japanese children with a severe or recurrent infection. *J Infect Chemother*. 2025 Sep 29:102824. doi:10.1016/j.jiac.2025.102824.

10) Miyake A, Gotoh K, Shima S, Okumiya K, Nishikomori R, and Mizuochi T. Early diagnosis of chronic granulomatous disease and McLeod syndrome via the use of a next generation sequencing. *Pediatr Int* . 2025 Jan-Dec;67(1):e70108. doi: 10.1111/ped.70108.

11) Miyake A, Ota K, Gotoh K, Okumiya K, Mizuochi T, and Kuga S. Detection of Macrolide-Resistant *Mycoplasma Pneumoniae* in a Pediatric Primary and Secondary Emergency Care Center in Japan Following the COVID-19 Pandemic. *Jpn J Infect Dis* . 2026 Jan 30. doi: 10.7883/yoken.JJID.2025.222

12) Hideyuki Takahashi, Hiroko Kato, Yuki Ohama, Ken, Shimuta, Tatsuo Yanagisawa, Yukihiro, Akeda. Genetic analyses of the single-pass transmembrane protein TspA in *Neisseria meningitidis*. *FEMS Microbiol Lett* 2026 7:373:fnag022. doi: 10.1093/femsle/fnag022.

13) Miho Matsuba, Samiratu Mahazu, Ken Shimuta, Anthony Ablordey, Hideyuki Takahashi, Ryoichi Saito. Development of a rapid, simple multiplex PCR-dipstick assay for the detection of *Neisseria meningitidis* serogroups in clinical isolates. *Front Cell Infect Microbiol* 2026 22:15:1745660. doi:

10.3389/fcimb.2025.1745660. doi:10.3389/fcimb.2025.1745660.

14) Ken Shimuta, Yuki Ohama, Ai Yoshida, Shu-Ichi Nakayama, Makoto Ohnishi, Takuya Kawahata, Hideyuki Takahashi, Yukihiro Akeda. Emergence of a ceftriaxone-resistant *Neisseria gonorrhoeae* strain harbouring penA-60.001 in a novel genetic background (MLST 9903) in Japan, 2018–2024. *Sex Transm Infect.* 2025 20:2025–056694. doi: 10.1136/sextrans-2025-056694.

15) Yu Matsuo, Yu Monden, Hiroshi Watanabe, Hideyuki Takahashi, Yukihiro Akeda, Hodaka Akune, Kensuke Sasaki, Daiki Ishio, Kohei Yamazaki, Naotaka Tashiro, Shigeo Yoshida. A case of primary meningococcal conjunctivitis in an older patient. *J Infect Chemother.* 2025. 31:102702. doi: 10.1016/j.jiac.2025.102702.

16) Hideyuki Takahashi, Yuki Ohama, Kazuhiro Horiba, Munehisa Fukusumi, Tomimasa Sunagawa, Tsukasa Ariyoshi, Mayako Koide, Ken Shimuta, Ryoichi Saito, Yukihiro Akeda. Emergence of high-level penicillin-resistant *Neisseria meningitidis* harboring ROB-1-type β -lactamase gene in Japan. *J Infect Chemother.* 2025.31:102679. doi: 10.1016/j.jiac.2025.102679.

17) Ken Shimuta, Yuki Ohama, Shin Ito, Shinji Hoshina, Hideyuki Takahashi, Gene Igawa, Misato Dorin Yamamoto, Yukihiro Akeda, Makoto Ohnishi. Emergence of Ceftriaxone-Resistant *Neisseria gonorrhoeae* Through Horizontal Gene Transfer Among *Neisseria* Species. *J Infect Dis.* 2025. 30;232:152–161. doi:

10.1093/infdis/jiaf008.

18) Nishikiori H, Yama N, Hirota K, Mori Y, Neriai I, Takenaka H, Saito A, Takahashi M, Kuronuma K, Ueda S, Hatakenaka M, Chiba H. Screening for lung fibrosis using serum surfactant protein-D, KL-6, and a deep learning algorithm on chest radiographs: a prospective observational study. *BMC Pulm Med*. 2025 Dec 17. doi: 10.1186/s12890-025-04062-5.

19) Fujiya Y, Kobayashi R, Tanaka M, Suzuki E, Hinotsu S, Nakae M, Sato Y, Katayama Y, Saeki M, Yakuwa Y, Nirasawa S, Endoh A, Kuronuma K, Takahashi S. Estimating the Optimal COVID-19 Booster Timing Using Surrogate Correlates of Protection: A Longitudinal Antibody Study in Naïve and Previously Infected Individuals. *Pathogens*. 2025 Nov 10;14(11):1138. doi: 10.3390/pathogens14111138. PMID: 41305375; PMCID: PMC12655711.

20) Takahashi T, Saito A, Yorozuya T, Nishikiori H, Kuronuma K, Chiba H. Exploring the Potential of a P2X3 Receptor Antagonist: Gefapixant in the Management of Persistent Cough Associated with Interstitial Lung Disease. *Medicina (Kaunas)*. 2025 May 14;61(5):892. doi: 10.3390/medicina61050892.

21) Uemura K, Sato T, Yamamoto S, Ogasawara N, Toyting J, Aoki K, Takasawa A, Koyama M, Saito A, Wada T, Okada K, Yoshida Y, Kuronuma K, Nakajima C, Suzuki Y, Horiuchi M, Takano K, Takahashi S, Chiba H, Yokota SI. Rapid and Integrated Bacterial Evolution Analysis unveils gene mutations and clinical

risk of *Klebsiella pneumoniae*. *Nat Commun.* 2025 Mar 25;16(1):2917. doi: 10.1038/s41467-025-58049-1.

22) Kato, H., Hirai, J., Takano, T., Arakawa, Y., Yamagishi, Y., Kunishima, H., & Mikamo, H. (2025). A systematic review and meta-analysis on the efficacy of carbapenems versus metronidazole combination therapy in patients infected with *Bacteroides* spp. *Journal of infection and chemotherapy : official journal of the Japan Society of Chemotherapy*, 31(5), 102687.

23) Morikawa, S., Yagi, Y., Okazaki, M., Yanagisawa, N., Ishida, T., Jobu, K., Maruyama, T., Kato, T., Matsushita, M., Arakawa, Y., Yamagishi, Y., & Hamada, Y. (2025). Rapid Therapeutic Drug Monitoring of Voriconazole Based on High-Performance Liquid Chromatography: A Single-Center Pilot Study in Outpatients. *Antibiotics (Basel, Switzerland)*, 14(5), 474.

24) Miyazaki, N., Kurumiya, A., Takayama, M., Kawamoto, Y., Sakanashi, D., Ohno, T., Yamada, A., Nakamura, A., Ota, H., Shibata, Y., Asai, N., Yamagishi, Y., & Mikamo, H. (2025). Efficacy of hydrogen peroxide vaporizing against methicillin-resistant *Staphylococcus aureus*, extended-spectrum β -lactamase-producing bacteria, and *Clostridioides difficile*. *Journal of infection and chemotherapy: official journal of the Japan Society of Chemotherapy*, 31(11), 102820.

25) Yoshida, C., Hagihara, M., Azuma, R., Iwasaki, K., Nakamura, A., Suematsu,

H., Tanaka, K., Ariyoshi, T., Oka, K., Takahashi, M., Yamagishi, Y., & Mikamo, H. (2025). Lipoproteins from *Bilophila wadsworthia* cell wall induce innate immune responses through Toll-like receptor 2. *Anaerobe*, 96, 103001.

26) Yamagishi, Y., Minami, M., Nakamura, N., Onoe, Y., Kobori, Y., Itoda, I., & Mikamo, H. (2025). Identification of key risk factors for syphilis among high-risk populations in urban areas of Japan. *Journal of infection and chemotherapy : official journal of the Japan Society of Chemotherapy*, 31(12), 102863.

27) Yagi, Y., Arakawa, Y., Hamada, Y., & Yamagishi, Y. (2025). Impact of a tailored, department-specific antimicrobial stewardship team intervention based on AWARE guidelines: a single-center, cohort, interrupted-time series study. *Journal of pharmaceutical health care and sciences*, 12(1), 11.

28) Yoshida, T., Yamagishi, Y., Kaneko, H., Takadama, S., Mikamo, H., & Nakaminami, H. (2025). Whole-genome sequencing reveals a unique outbreak of methicillin-resistant *Staphylococcus aureus* clone USA400/J in Japan. *Infection prevention in practice*, 8(1), 100506.

29) Maeda, H., Ito, I., Sando, E., Hamao, N., Shirata, M., Dhoubhadel, B. G., Ntiamoah, D. O., Oi, I., Nishioka, K., Fujii, H., Okamura, K., Inoue, T., Yamada, T., Niibayashi, S., Tsukino, M., Fujii, Y., Tsuchiya, M., Nakahara, Y., Hasegawa, Y., Nakagawa, A., ...Ishida M, Morimoto, K. (2025).

Serotype distribution among adults with community-acquired pneumococcal pneumonia in Japan between 2019 and 2022: A multicenter observational study. *Human vaccines & immunotherapeutics*, 21(1), 2518847.

30) Maeda, H., Masuda, S., Dhoubhadel, B. G., Fujita, Y., Akiba, Y., Nishigaki, Y., Nakashima, K., Ito, H., Nogi, M., Otsuka, Y., Ishida, M., Takeuchi, E., Asoh, N., Sawai, T., Hayakawa, K., Dunne, E. M., Schwarz, C., Gessner, B. D., Begier, E., Ito, S., ... Adult Pneumonia Study Group - Japan 2 (APSG - J2) (2026). Incidence of RSV- and Influenza-Associated Hospitalizations With Community-Acquired Pneumonia and Other Acute Respiratory Infection Among Adults in Japan in 2022-2024: APSG-J2 Study. *Influenza and other respiratory viruses*, 20(3), e70238.

31) Shimbashi R, Arima Y, Yahara K, Masutani M, Kasamatsu A, Fukusumi M, Kajihara T, Arashiro T, Takahashi T, Otsuka M, Kobayashi Y, Komase K, Tsuchihashi Y, Chang B, Amemura-Maekawa J, Sunagawa T, Suzuki M, Akeda Y. A pluralistic approach to interpreting surveillance data: The likely decline in the occurrence of invasive pneumococcal disease in Japan during the COVID-19 pandemic. *Annals of Epidemiology*. 108:63-70, 2025.

32) Takeuchi N, Chang B, Ishiwada N, Cho Y, Nishi J, Okada K, Fujieda M, Oda M, Saitoh A, Hosoya M, Ishiguro N, Takahashi K, Ozawa Y, Suga S. Nationwide population-based surveillance of invasive pneumococcal disease in children in Japan (2014-2022): Impact of 13-valent pneumococcal conjugate

vaccine and COVID-19 pandemic. *Vaccine* 54:127138, 2025

33) Ishiwada N, Nishi J, Fujimaki K, Takahashi S, Matsumoto T, Sato J, Watanabe M, Kakuya F, Oikawa J, Mori T, Takayanagi R, Yamaguchi Y, Hoshino T, Shinjoh M, Miyashita H, Tajima T, Funakoshi H, Narabayashi A, Oishi T, Okano R, Okada T, Furuno K, Tanaka Y, Ishii S, Yamatou T. Nationwide surveillance of bacterial pathogens isolated from children by the surveillance committee of the Japanese society of chemotherapy, Japanese association for infectious diseases, and Japanese society for clinical microbiology between April 2021 and March 2024: General overview of pathogenic antimicrobial susceptibility. *J Infect Chemother* 31(10):102812, 2025

34) Nakahira A, Iwaoka H, Sato K, Ishizuka S, Shiroma R, Miyasaka T, Kanno E, Tanno H, Sato Y, Akeda Y, Oishi K, Aoyagi T, Ishii K, Kawakami K. NKT cell-dependent PspA-specific IgA production caused by mucosal administration of a novel nanoparticle pneumococcal vaccine. *Vaccine* 2025; 68:127911.

35) Itamochi M, Yazawa S, Saga Y, Shimada T, Fukuyama K, Oishi K, Tani H. A transient reduction of the varicella-zoster virus-specific immunoglobulin G level after vaccination against severe acute respiratory syndrome coronavirus 2 with an mRNA vaccine in nursing home residents, but not staff. *J Infect Chemother* 2025 Feb;31(2):102509.

36) Fukuyama K, Kamiyoshi K, Itamochi M, Yazawa S, Tamura K, Shimbo K, Kawakami R, Saga Y, Shimada T, Sasaki N, Kuroda M, Oishi K, Tani H. Genome epidemiological and seroepidemiological study of the COVID-19 cluster in the nursing home. *Jpn J Infect Dis* 2025 Nov 28. doi: 10.7883/yoken.JJID.2025.071.

37) Wannigama DL, Shao J, Sun H, Wang Y, Hurst C, Monk PN, Amarasiri M, Phattharapornjaroen P, Ditcham WGF, Htun TS, Luk-In S, Shimotai Y, Ngamwongsatit N, Ishikawa H, Ragupathi NKD, Pletzer D, Kanjanabuch T, Khatib A, Miyanaga K, Cui L, Shibuya K, Higgins PG, Kicic A, Hongsing P, Zhao J, Abe S, Hamamoto H. Intranasal phage therapy overcomes antibody neutralization challenges in pulmonary *Pseudomonas aeruginosa* infections. *Arch Microbiol.* 207(12):310, 2025.

38) Ono M, Yamaguchi M, Motooka D, Hirose Y, Higashi K, Sumitomo T, Miyoshi-Akiyama T, Okuno R, Yamaguchi T, Kawahara R, Otsuka H, Nakanishi N, Kazawa Y, Nakagawa C, Yamaguchi R, Sakai H, Matsumoto Y, Ikebe T, Kawabata S. Identifying genetic variations in emm89 *Streptococcus pyogenes* associated with severe invasive infections. *Elife.* 2025 Jul 24;14:RP101938. doi: 10.7554/eLife.101938.

39) Takemoto N, Ogura K, Gao Y, Okuno R, Yamaguchi M, Hirose Y, Ono M, Kawabata S, Ikebe T, Hamabata T, Miyoshi-Akiyama T. GAS-J, a user-friendly browser application for genome assembly, emm-typing, MLST typing, and

virulence factor gene detection of *Streptococcus pyogenes*. *Microbiol Immunol*. 2025 Jul;69(7):384–388. doi: 10.1111/1348-0421.13223.

40) Wannigama DL, Amarasiri M, Phattharapornjaroen P, Hurst C, Suzuki Y, Akaneya D, Moriya M, Adachi T, Okuma Y, Ishizawa D, Ishikawa H, Miyanaga K, Cui L, Moriya K, Mori H, Ragupathi NKD, Shimotai Y, Sano D, Furukawa T, Sei K, Kanjanabuch T, Higgins PG, Aoyagi T, Kicic A, Trowsdale S, Hongsing P, Khatib A, Shibuya K, Abe S, Hamamoto H. Tapeworm infection incidence in rural Japan points to a common environmental source of infection. *Drug Discov Ther*. 19(5):351–357, 2025.

41) Wannigama DL, Amarasiri M, Phattharapornjaroen P, Hurst C, Modchang C, Wang Y, Miyanaga K, Cui L, Fernandez S, Huang AT, Melhem NM, Singer AC, Ragupathi NKD, Calabria de Araujo J, Sei K, Ndatuwong LG, Mahmood SF, Shimotai Y, Kanjanabuch T, Higgins PG, Aoyagi T, Kicic A, Nanbo A, Mori H, Siow R, Kurt Ö, Trowsdale S, Hongsing P, Khatib A, Sano D, Shibuya K, Abe S, Hamamoto H. Global participatory wastewater surveillance to understand mpox clade diversity in war and conflict-affected countries. *J Travel Med*. 32(5):taaf052, 2025.

42) Wannigama DL, Amarasiri M, Phattharapornjaroen P, Hurst C, Modchang C, Besa JJV, Miyanaga K, Cui L, Fernandez S, Huang AT, Ounjai P, Werawatte WKCP, Rad S M AH, Vatanaprasan P, Jay DJ, Saethang T, Luk-In S, Kanthawee P, Thuptimchang W, Tacharoenmuang R, Cynthia B, Vitharana SPHS, Ngamwongsatit

N, Ishikawa H, Furukawa T, Wang Y, Singer AC, Ragupathi NKD, Chatsuwan T, Sei K, Nanbo A, Leelahavanichkul A, Kanjanabuch T, Hamamoto H, Higgins PG, Sano D, Kicic A, Valdebenito JO, Bonnedahl J, Trowsdale S, Hongsing P, Khatib A, Shibuya K, Abe S. Surveillance of avian influenza through bird guano in remote regions of the global south to uncover transmission dynamics. Nat Commun. 16(1):4900, 2025.

43) Abe S, Wannigama DL, Akaneya D, Suzuki Y, Moriya K, Okuma Y. Antimicrobial administration increases nasal carriage of *Pseudomonas aeruginosa* and *Candida* species in ICU patients. Greater Mekong Subregion Medical Journal. 5 (3): 169-179, 2025.

44) Kuramasu Y, Suzuki Y, Akaneya D, Okuma Y, Tsujimoto Y, Ishizawa D, Moriya K, Hongsing P, Amarasiri M, Hurst C, Higgins PG, Shibuya K, Kicic A, Shimotai Y, Hamamoto H, Wannigama DL, Abe S. Identifying high-risk bacteria with active nasal swab surveillance in intensive care units to prevent ventilator-associated pneumonia. Int J Transl Med. 5(2),17, 2025.

45) Wannigama DL, Amarasiri M, Phattharapornjaroen P, Hurst C, Modchang C, Suzuki Y, Moriya K, Miyanaga K, Cui L, Huang AT, Okuma Y, Akaneya D, Igarashi J, Suto M, Ishizawa D, Imamiya W, Igarashi A, Shimotai Y, Singer AC, Ragupathi NKD, Furukawa T, Sei K, Wang Y, Kanjanabuch T, Higgins PG, Nemoto N, Khatib A, Kicic A, Trowsdale S, Hongsing P, Sano D, Shibuya K, Abe S, Hamamoto H. *Streptococcus pyogenes* surveillance through surface swab samples

to track the emergence of streptococcal toxic shock syndrome in rural Japan.
J Infect Dis. 232(2):e275-e279, 2025.

46) Wannigama DL, Hurst C, Monk PN, Hartel G, Ditcham WGF, Hongsing P, Phattharapornjaroen P, Ounjai P, Torvorapanit P, Jutivorakool K, Luk-In S, Nilgate S, Rirerm U, Tanasatitchai C, Miyanaga K, Cui L, Ragupathi NKD, Rad SMAH, Khatib A, Storer RJ, Ishikawa H, Amarasiri M, Charuluxananan S, Leelahavanichkul A, Kanjanabuch T, Higgins PG, Davies JC, Stick SM, Kicic A, Chatsuwan T, Shibuya K, Abe S. *tesG* expression as a potential clinical biomarker for chronic *Pseudomonas aeruginosa* pulmonary biofilm infections. BMC medicine, 23, no. 1 (2025): 191, 2025.

47) Shein AMS, Hongsing P, Smith OK, Phattharapornjaroen P, Miyanaga K, Cui L, Ishikawa H, Amarasiri M, Monk PN, Kicic A, Chatsuwan T, Pletzer D, Higgins PG, Abe S, Wannigama DL. Current and novel therapies for management of *Acinetobacter baumannii*-associated pneumonia. Crit Rev Microbiol. 1(3):441-462, 2025.