
公衆衛生学講座

【研究プロジェクト名および概要】

I. 小児コホート研究（エコチル調査、熊本県早産予防事業） 環境中化学物質・社会疫学的要因の小児健康影響に与える調査研究

II. 産業保健（産業医学／農業医学）

- 1) 作業関連呼吸器障害／皮膚障害（とくに、アレルギー／免疫毒性）の本態と予防に関する研究
- 2) 労働者の心理的ストレス評価法
- 3) 労働寿命延伸に関する研究

III. 地域保健（農村医学／都市医学）

- 1) 地域づくりに根ざした保健・医療・福祉システムの構築とその展開に関する研究
 - (1) ヘルスプロモーションを基盤とした参加型－行動指向型健康社会創造のプロセスモデルの開発
・メタボリックシンドローム対策を目的とした健康づくり（対象：熊本市／天草市／荒尾市）
 - (2) 益城町における「健康づくり推進計画」及び「食育推進計画」の事態調査研究
 - (3) 生涯における健康なライフスタイルの形成と維持に関する研究
- 2) 救急車の利用状況に関する調査
- 3) 妊婦の携帯端末の使用による妊婦と新生児の健康への影響評価

【教職員および大学院学生】

助 教

【メールアドレス】

増田 翔太 masudashota1125@kumamoto-u.ac.jp

【研究プロジェクト】

I, II, III

特任准教授（エコチル調査）

小田 政子 m-oda@kumamoto-u.ac.jp

I

大学院学生(博士課程)

佐土原 道人

II

【共同研究者】

熊本大学大学院生命科学研究部 生体情報解析学 教授 大森 久光 omorih@gpo.kumamoto-u.ac.jp

慢性閉塞性肺疾患（COPD）に関する疫学研究

- 1) 呼吸機能検査を用いた疫学調査（併存症を含む）
- 2) 胸部 CT 検診における解析
- 3) 感受性因子に関する解析（ゲノム研究）
 - Associations between aldehyde dehydrogenase 2 (ALDH2) genetic polymorphisms, drinking status, and hypertension risk in Japanese adult male workers: a case-control study., *Environ Health Prev Med.* 2015. DOI 10.1007/s12199-015-0490-2.
 - C-reactive protein levels, airflow obstruction, and chronic kidney disease. *Environ Health Prev Med.* 17 : 18-26, 2012.
 - Twelve-year cumulative incidence of airflow obstruction among Japanese males. *Inter. Med.* 50: 1537-1544, 2011

【研究手法等】

疫学解析・統計解析

【連絡先】

Tel: 096-373-5112

FAX: 096-373-5113

【ホームページ】

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【英文論文】

1. Aya Sakakihara, Toshio Masumoto, Youichi Kurozawa, Japan Environment and Children's Study Group.
Associations between paternal autism traits and parenting from the Japan environment and children's study.
Sci Rep. 14(1):17668. doi: 10.1038/s41598-024-67978-8, 2024.

2. Chihiro Okoshi, Hyo Kyoza, Toma Fukuda, Shun Yasuda, Tsuyoshi Murata, Hirotaka Isogami, Akiko Sato, Yuka Ogata, Mitsuaki Hosoya, Seiji Yasumura, Koichi Hashimoto, Hidekazu Nishigori, Michihiro Kamijima, Shin Yamazaki, Yukihiro Ohya, Reiko Kishi, Nobuo Yaegashi, Chisato Mori, Shuichi Ito, Zentaro Yamagata, Hidekuni Inadera, Takeo Nakayama, Tomotaka Sobue, Masayuki Shima, Seiji Kageyama, Narufumi Suganuma, Shouichi Ohga, Takahiko Katoh, Keiya Fujimori, Toshifumi Takahashi.
Risk of gestational diabetes in women with PCOS based on body mass index: The Japan Environment and Children's Study.
J Clin Endocrinol Metab. 293. doi: 10.1210/clinem/dgae293, 2024.
3. Kazuhiko Watanabe, Xi Lu, Shota Masuda, Takeshi Miyamoto, Takahiko Katoh.
Relationship between physical activity and locomotive syndrome among young and middle-aged Japanese workers.
J Occup Health. 66(1):001. doi: 10.1093/joccuh/uiiae001, 2024.
4. Kazuhiko Watanabe, Hisamitsu Omori, Ayumi Onoue, Kenichi Kubota, Minoru Yoshida, Takahiko Katoh.
Association Between Osteoporosis Self-Assessment Tool for Asians and Airflow Limitation in Japanese Post-Menopausal Women.
Int J Chron Obstruct Pulmon Dis. 19:1547-1559, 2024.
5. Kimiyo Kikuchi, Takehiro Michikawa, Seiichi Morokuma, Norio Hamada, Subaru Ikeda, Yukiyo Shimada, Kiyoko Kato, Masayuki Ochiai, Mayumi Tsuji, Masayuki Shimono, Kiyoshi Yoshino, Reiko Suga, Toshihiro Kawamoto, Shouichi Ohga & The Japan Environment and Children's Study Group.
Infants' early recovery from sleep disturbance is associated with a lower risk of developmental delay in the Japan Environment and Children's Study.
Sci Rep. 14(1):17773. doi: 10.1038/s41598-024-68672-5, 2024.
6. Manami Yabe, Tetsuhiro Fukuyama, Noriko Motoki, Hirokazu Toubou, Kohei Hasegawa, Takumi Shibasaki, Teruomi Tsukahara, Tetsuo Nomiyama, Michihiro Kamijima, Shin Yamazaki, Yukihiro Ohya, Reiko Kishi, Nobuo Yaegashi, Koichi Hashimoto, Chisato Mori, Shuichi Ito, Zentaro Yamagata, Hidekuni Inadera, Takeo Nakayama, Tomotaka Sobue, Masayuki Shima, Seiji Kageyama, Narufumi Suganuma, Shoichi Ohga, Takahiko Katoh.
Hypertensive disorders of pregnancy increase the incidence of febrile seizures in offspring.
Pediatr Res. 96(1):223-229. doi: 10.1038/s41390-024-03057-y, 2024.
7. Ryota Kabura, Rumi Iwasaki, Kanon Matsumoto, Kyoka Furushima, Tetsuji Takeshita.
Association between Dietary Intake Patterns and Pterygium Morbidity.
Health Evaluation and Promotion 51. 396-403, 2024.
8. Shiori Ishiyama, Kazuki Mochizuki, Ryoji Shinohara, Kunio Miyake, Megumi Kushima, Reiji Kojima, Sayaka Horiuchi, Sanae Otawa, Hideki Yui, Tadao Ooka, Yuka Akiyama, Hiroshi Yokomichi, Zentaro Yamagata, Michihiro Kamijima, Shin Yamazaki, Yukihiro Ohya, Reiko Kishi, Nobuo Yaegashi, Koichi Hashimoto, Chisato Mori, Shuichi Ito, Zentaro Yamagata, Hidekuni Inadera, Takeo Nakayama, Tomotaka Sobue, Masayuki Shima, Seiji Kageyama, Narufumi Suganuma, Shoichi Ohga, Takahiko Katoh.
Association of maternal leukocyte, monocyte, and neutrophil counts with hypertensive disorders of pregnancy: the Japan Environment and Children's Study (JECS)
Sci Rep. 14(1):7248. doi: 10.1038/s41598-024-55623-3, 2024.
9. Shohei Kuraoka, Masako Oda, Miyuki Iwai-Shimada, Takashi Ohba, Nozomi Tatsuta, Hiroshi Mitsubuchi, Michihiro Kamijima, Kimitoshi Nakamura, Takahiko Katoh, The Japan Environment and Children's Study (JECS) Group.
Association between prenatal mercury exposure and pediatric neurodevelopment: The Japan environment and children's study.
Sci Total Environ. 957:177489. doi: 10.1016/j.scitotenv.2024.177489, 2024.
10. Shohei Kuraoka, Masako Oda, Takashi Ohba, Hiroshi Mitsubuchi, Kimitoshi Nakamura, Takahiko Katoh, Michihiro

Kamijima, Shin Yamazaki, Yukihiro Ohya, Reiko Kishi.

Association of phenol exposure during pregnancy and asthma development in children: The Japan Environment and Children's study.

Environmental Pollution. 361. 124801-124801, 2024.

11. Tsuguhiko Kato, Mai Fujii, Kumiko Kanatani, Fusako Niwa, Kyoko Hirabayashi, Takeo Nakayama, Shoji Itakura, Michihiro Kamijima, Shin Yamazaki, Yukihiro Ohya, Reiko Kishi, Nobuo Yaegashi, Koichi Hashimoto, Chisato Mori, Shuichi Ito, Zentaro Yamagata, Hidekuni Inadera, Takeo Nakayama, Tomotaka Sobue, Masayuki Shima, Hiroshige Nakamura, Koichi Kusuhara, Takahiko Katoh.
Paternal involvement in infant care and developmental milestone outcomes at age 3 years: the Japan Environment and Children's Study (JECS)
Pediatr Res. 2024 Feb;95(3):785-791. doi: 10.1038/s41390-023-02723-x, 2024.
12. Yu Ait Bamai, Chihiro Miyashita, Atsuko Ikeda-Araki, Keiko Yamazaki, Sumitaka Kobayashi, Sachiko Itoh, Yasuaki Saijo, Yoshiya Ito, Eiji Yoshioka, Yukihiro Sato, Reiko Kishi, Michihiro Kamijima, Shin Yamazaki, Yukihiro Ohya, Nobuo Yaegashi, Koichi Hashimoto, Chisato Mori, Shuichi Ito, Zentaro Yamagata, Hidekuni Inadera, Takeo Nakayama, Tomotaka Sobue, Masayuki Shima, Hiroshige Nakamura, Narufumi Suganuma, Koichi Kusuhara, Takahiko Katoh.
Prenatal risk factors of indoor environment and incidence of childhood eczema in the Japan environment and children's study.
Environ Res. 252(Pt 2):118871. doi: 10.1016/j.envres.2024.118871, 2024.
13. Kaita Nakano, Shohei Kuraoka, Masako Oda, Takashi Ohba, Hiroshi Mitsubuchi, Kimitoshi Nakamura, Takahiko Katoh, The Japan Environment And Children's Study Jecs Group,
Relationship between the Mediterranean Diet Score in Pregnancy and the Incidence of Asthma at 4 Years of Age: The Japan Environment and Children's Study.
Nutrients. 15(7):1772. doi: 10.3390/nu15071772, 2023.
14. Kaori Futakawa, Kenta Matsumura, Akiko Tsuchida, Mizuho Konishi, Hatoko Sasaki, Hidetoshi Mezawa, Kiwako Yamamoto-Hanada, Hidekuni Inadera, Tomomi Hasegawa, Michihiro Kamijima, Shin Yamazaki, Yukihiro Ohya, Reiko Kishi, Nobuo Yaegashi, Koichi Hashimoto, Chisato Mori, Shuichi Ito, Zentaro Yamagata, Hidekuni Inadera, Takeo Nakayama, Tomotaka Sobue, Masayuki Shima, Hiroshige Nakamura, Koichi Kusuhara, Takahiko Katoh.
Longitudinal study of the relationship between number of prior miscarriages or stillbirths and changes in quality of life of pregnant women: the Japan Environment and Children's Study (JECS).
BMC Pregnancy Childbirth. 23(1):297. doi: 10.1186/s12884-023-05578-6, 2023.
15. Kazue Ishitsuka, Kiwako Yamamoto-Hanada, Hidetoshi Mezawa, Limin Yang, Mayako Saito-Abe, Minaho Nishizato, Miori Sato, Yumiko Miyaji, Natsuhiko Kumasaka, Yukihiro Ohya, Reiko Kishi, Nobuo Yaegashi, Koichi Hashimoto, Chisato Mori, Shuichi Ito, Zentaro Yamagata, Hidekuni Inadera, Takeo Nakayama, Tomotaka Sobue, Masayuki Shima, Hiroshige Nakamura, Koichi Kusuhara, Takahiko Katoh.
Teenage and young adult pregnancy and depression: findings from the Japan environment and children's study.
Arch Womens Ment Health. 27(2):293-299. doi: 10.1007/s00737-023-01400-6, 2023.
16. Kimiyo Kikuchi, Takehiro Michikawa, Seiichi Morokuma, Norio Hamada, Yoshiko Suetsugu, Subaru Ikeda, Kazushige Nakahara, Kiyoko Kato, Masayuki Ochiai, Eiji Shibata, Mayumi Tsuji, Masayuki Shimono, Toshihiro Kawamoto, Shouichi Ohga, Koichi Kusuhara, Michihiro Kamijima, Shin Yamazaki, Yukihiro Ohya, Reiko Kishi, Nobuo Yaegashi, Koichi Hashimoto, Chisato Mori, Shuichi Ito, Zentaro Yamagata, Hidekuni Inadera, Takeo Nakayama, Tomotaka Sobue, Masayuki Shima, Hiroshige Nakamura, Koichi Kusuhara, Takahiko Katoh.
Sleep quality and temperament in association with autism spectrum disorder among infants in Japan.
Commun Med (Lond). 3(1):82. doi: 10.1038/s43856-023-00314-9, 2023.
17. Kouta Okoshi, Kenichi Sakurai, Midori Yamamoto, Chisato Mori, Michihiro Kamijima, Shin Yamazaki, Yukihiro Ohya, Reiko Kishi, Nobuo Yaegashi, Koichi Hashimoto, Chisato Mori, Shuichi Ito, Zentaro Yamagata, Hidekuni Inadera, Takeo Nakayama, Tomotaka Sobue, Masayuki Shima, Hiroshige

- Nakamura, Koichi Kusuhara, Takahiko Katoh.
Maternal antibiotic exposure and childhood allergies: The Japan Environment and Children's Study.
J Allergy Clin Immunol Glob. 2(4):100137. doi: 10.1016/j.jacig.2023.100137, 2023.
18. Kosuke Ishizuka, Kiyoshi Shikino, Akira Kuriyama, Yoshito Nishimura, Emiri Tanaka, Saori Nonaka, Michito Sadohara, Mitsuru Moriya, Noriko Yamamoto.
A proposal for coping strategies on burnout among Japanese resident physicians.
Journal of General and Family Medicine. 25:83-84, 2023.
19. Midori Yamamoto, Hidetoshi Mezawa, Kenichi Sakurai, Chisato Mori, Michihiro Kamijima, Shin Yamazaki, Yukihiro Ohya, Reiko Kishi, Nobuo Yaegashi, Koichi Hashimoto, Chisato Mori, Shuichi Ito, Zentaro Yamagata, Hidekuni Inadera, Takeo Nakayama, Tomotaka Sobue, Masayuki Shima, Hiroshige Nakamura, Koichi Kusuhara, Takahiko Katoh, Nobuo Yaegashi, Koichi Hashimoto.
Screen Time and Developmental Performance Among Children at 1-3 Years of Age in the Japan Environment and Children's Study.
JAMA Pediatr. 2023 Nov 1;177(11):1168-1175. doi: 10.1001/jamapediatrics, 2023.
20. Naomi Mitsuda, Masamitsu Eitoku, Keiko Yamasaki, Naw Awn J-P, Mikiya Fujieda, Nagamasa Maeda, Narufumi Suganuma, Michihiro Kamijima, Shin Yamazaki, Yukihiro Ohya, Reiko Kishi, Nobuo Yaegashi, Koichi Hashimoto, Chisato Mori, Shuichi Ito, Zentaro Yamagata, Hidekuni Inadera, Takeo Nakayama, Tomotaka Sobue, Masayuki Shima, Hiroshige Nakamura, Koichi Kusuhara, Takahiko Katoh.
Association between maternal cholesterol level during pregnancy and placental weight and birthweight ratio: data from the Japan Environment and Children's Study.
BMC Pregnancy Childbirth. 23(1):484. doi: 10.1186/s12884-023-05810-3, 2023.
21. Noriko Motoki, Yuji Inaba, Hirokazu Toubou, Kohei Hasegawa, Takumi Shibazaki, Teruomi Tsukahara, Tetsuo Nomiyama, Michihiro Kamijima, Shin Yamazaki, Yukihiro Ohya, Reiko Kishi, Nobuo Yaegashi, Koichi Hashimoto, Chisato Mori, Shuichi Ito, Zentaro Yamagata, Hidekuni Inadera, Takeo Nakayama, Tomotaka Sobue, Masayuki Shima, Hiroshige Nakamura, Koichi Kusuhara, Takahiko Katoh.
Impact of dog and/or cat ownership on functional constipation at 3 years of age: the Japan Environment and Children's study.
BMC Pediatr. 23(1):595. doi: 10.1186/s12887-023-04412-4, 2023.
22. Xi Lu, Sachiko Hojo, Atsushi Mizukoshi, Takahiko Katoh.
Prevalence and correlation of multiple chemical sensitivity and electromagnetic hypersensitivity with age, sex, and depression in the Japanese population: a retrospective study.
BMC Public Health. 23(1):1205. doi: 10.1186/s12889-023-16152-2, 2023.
23. Xi Lu, Shota Masuda, Hasita Horlad, Takahiko Katoh,
Safety and adverse effects of the coronavirus disease 2019 vaccine among the general Japanese adult population.
Vaccine. 41(35):5090-5096. doi: 10.1016/j.vaccine.2023.04.053, 2023.

【和文論文】

1. 飯田綾香、石井紗弥花、高橋映名、中下千尋.
日本国内の特別支援教育における食育に関する文献検討.
神奈川県立保健福祉大学誌, 第 21 巻第 1 号 45-54.
2. 加藤貴彦.
利他的視点からの健康観.
日本衛生学雑誌, 79 巻 論文 ID: 24003 <https://doi.org/10.1265/jjh.24003>, 2024 年 8 月.
3. 蕪龍大、松本栞音、岩崎留己、福田莉香子、古島京佳、竹下哲二.

単焦点眼内レンズ XY1-EM (Vivinex Impress) の早期術後成績.
眼科, 66, 577-583, 2024.

4. 蕪龍大, 岩崎留己, 福田莉香子, 松本栞音, 古島京佳, 竹下哲二
住民健診での眼底撮影における白内障検出の有用性についての検討.
総合健診, 51, 252-257, 2024.
5. 前田ひとみ, 伊山聡子, 山本麻起子, 鶴田明美, 福重真美, 松本智晴.
看護学生の「人体の構造と機能」に対する学習方略自己評価尺度の開発.
熊本大学医学部保健学科紀要, (20) 36-44 2024 年 3 月.
6. 福重真美, 松本智晴, 前田ひとみ.
不織布マスクと N95 マスクが音圧レベルと摩擦音の聞き取りに及ぼす影響.
日本看護研究学会雑誌, 46(5), 719-729 2024 年 1 月.
7. 本田藍, 中下千尋, 池上由美, 中村早百合, 吉村英一, 下田誠也, 松添直隆, 松崎弘美.
大学生の食生活が体調へ及ぼす影響～パネルデータを用いた固定効果モデルによる推定.
日本食育学会誌, 第 18 巻第 4 号 165-174.
8. 盧溪, 藤谷倫子, 武田美都里, 宮崎航, 宮山貴光, 栄徳勝光, 箕浦明
日本衛生学会の若手研究者の研究・教育活動に対する課題意識と若手活動・支援への期待
日本衛生学雑誌, 79 巻 論文 ID: <https://doi.org/10.1265/jjh.23006>, 2024 年 8 月.
9. 野上真央, 吉村英一, 鈴木真理子, 田尻絵里, 中下千尋, 濱田有香, 塩瀬圭祐, 阿曾菜美, 畑本陽一, 緒形ひとみ.
若年やせ女性が形成される要因に関するスコアリングレビュー.
日本女性心身医学会雑誌 (印刷中).
10. 鈴木武博, 栄徳勝光, 北村祐貴, 武田美都里, 森渚, 丸山紗季, 瀬川悠紀子, 中下千尋, 堀中真野.
食品成分と衛生学—食品成分の機能を衛生学から探る—.
日本衛生学会誌 (印刷中).