

## エコチル調査富山ユニットセンター

### Toyama Regional Center for Japan Environmental and Children's Study

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#### ◆ 原 著

- 1) Nishihama Y, Nakayama SF, Tabuchi T, Isobe T, Jun CR, Iwai-Shimada M, Kobayashi Y, Michikawa T, Sekiyama M, Taniguchi Y, Nitta H, Yamazaki S, the Japan Environment and Children's Study Group. Determination of Urinary Cotinine Cut-Off Concentrations for Pregnant Women in the Japan Environment and Children's Study (JECS). *Int J Environ Res Public Health*. 2020 Jul; 17(15): 5537. doi: 10.3390/ijerph17155537. (2020年未掲載分)
- 2) Jung CR, Nakayama SF, Isobe T, Iwai-Shimada M, Kobayashi Y, Nishihama Y, Michikawa T, Sekiyama M, Taniguchi Y, Nitta H, Yamazaki S, the Japan Environment and Children's Study Group. Exposure to heavy metals modifies optimal gestational weight gain: A large nationally representative cohort of the Japan Environment and Children's Study. *Environ Int*. 2021 Jan; 146: 106276. doi: 10.1016/j.envint.2020.106276.
- 3) Hosozawa M, Cable N, Ikeda A, Dong JY, Ikehara S, Iso H, Japan Environment and Children's Study Group. Risk of postpartum depression and very early child mistreatment among mothers reporting higher autistic traits: Evidence from the Japan Environment and Children's Study. *J Affect Disord*. 2021 Feb 1; 280(PartA): 11-6. doi: 10.1016/j.jad.2020.10.073.
- 4) Murata T, Kyojuka H, Yamaguchi A, Fukuda T, Yasuda S, Sato A, Ogata Y, Shinoki K, Hosoya M, Yasumura S, Hashimoto K, Nishigori H, Fujimori K, The Japan Environment and Children's Study (JECS) Group. Maternal pre-pregnancy body mass index and foetal acidosis in vaginal and caesarean deliveries: The Japan Environment and Children's Study. *Sci Rep*. 2021 Feb 23; 11(1): 4350. doi: 10.1038/s41598-020-79178-1.
- 5) Tanoue K, Watanabe Z, Nishigori H, Iwama N, Satoh M, Murakami T, Tanaka K, Sasaki S, Sakurai K, Ishikuro M, Obara T, Saito M, Sugawara J, Tatsuta N, Kuriyama S, Arima T, Nakai K, Nobuo Yaegashi N, Metoki H, Japan Environment and Children's Study (JECS) Group. The prevalence of psychological distress during pregnancy in Miyagi Prefecture for 3 years after the Great East Japan Earthquake. *Environ Health Prev Med*. 2021 Feb 26; 26(1): 27. doi: 10.1186/s12199-021-00944-2.
- 6) Kyojuka H, Fukusda T, Murata T, Yamaguchi A, Kanno A, Yasuda S, Sato A, Ogata Y, Kuse M, Hosoya M, Yasumura S, Hashimoto K, Nishigori H, Fujimori K, the Japan Environment and Children's Study Group. Impact of preconception sodium intake on hypertensive disorders of pregnancy: The Japan Environment and Children's study. *Pregnancy Hypertens*. 2021 Mar; 23: 66-72. doi: 10.1016/j.preghy.2020.11.006.
- 7) Yamaguchi A, Kyojuka H, Kanno A, Murata T, Fukuda T, Yasuda S, Hosoya M, Yasumura S, Kuse M, Sato A, Ogata Y, Hashimoto K, Nishigori H, Fujimori K, the Japan Environment and Children's Study (JECS) Group. Gestational weight gain and risk factors for postpartum depression symptoms from the Japan Environment and Children's Study: a prospective cohort study. *J Affect Disord*. 2021 Mar 15; 283: 223-8. doi: 10.1016/j.jad.2021.01.080.
- 8) Naw Awn J-P, Minami M, Eitoku M, Maeda N, Fujieda M, Suganuma N, the Japan Environment and Children's Study (JECS) Group. Lack of concern about body image and health during pregnancy linked to excessive gestational weight gain and small-for-gestational-age deliveries: the Japan Environment and Children's Study. *BMC Pregnancy Childbirth*. 2021 Mar 21; 21(1): 396. doi: 10.1186/s12884-021-03827-0.
- 9) Inano H, Kameya M, Sasano K, Matsumura K, Tsuchida A, Hamazaki K, Inadera H, Hasegawa T, The Japan Environment and Children's Study (JECS) Group. Factors influencing exclusive breastfeeding rates until 6 months postpartum: the Japan

- Environment and Children's Study. *Sci Rep.* 2021 Mar 25; 11(1): 6841. doi: 10.1038/s41598-021-85900-4.
- 10) Yokomichi H, Kojima R, Horiuchi S, Ooka T, Akiyama Y, Miyake K, Mochizuki M, Otawa S, Shinohara R, Yamagata Z, The Japan Environment and Children's Study Group. Effectiveness of influenza vaccination in infants and toddlers with and without prior infection history: The Japan Environment and Children's Study. *Vaccine.* 2021 Mar 26; 39(13): 1800-4. doi: 10.1016/j.vaccine.2021.02.044.
  - 11) Nakahara K, Michikawa T, Morokuma S, Ogawa M, Kato K, Sanefuji M, Shibata E, Tsuji M, Shimono M, Kawamoto T, Ohga S, Kusuhara K, the Japan Environment and Children's Study Group. Influence of physical activity before and during pregnancy on infant's sleep and neurodevelopment at 1-year-old. *Sci Rep.* 2021 Apr 14; 11(1): 8099. doi: 10.1038/s41598-021-87612-1.
  - 12) Shimao M, Matsumura M, Tsuchida A, Kasamatsu H, Hamazaki K, Inadera H, the Japan Environment and Children's Study Group. Influence of infants' feeding patterns and duration on mothers' postpartum depression: A nationwide birth cohort The Japan Environment and Children's Study (JECS). *J Affect Disord.* 2021 Apr 15; 285: 152-9. doi: 10.1016/j.jad.2021.02.011.
  - 13) Matsumura K, Hamazaki K, Tsuchida A, Inadera H, The Japan Environment and Children's Study (JECS) Group. House Dust Avoidance during Pregnancy and Subsequent Infant Development: The Japan Environment and Children's Study. *Int J Environ Res Public Health.* 2021 Apr 17; 18(8): 4277. doi: 10.3390/ijerph18084277.
  - 14) Kyojuka H, Murata T, Fukuda T, Endo Y, Yamaguchi A, Yasuda S, Kanno A, Sato A, Ogata Y, Hosoya M, Yasumura S, Hashimoto K, Nishigori H, Fujimori K, The Japan Environment and Children's Study (JECS) Group. Immunoglobulin E levels and pregnancy-induced hypertension: Japan Environment and Children's Study. *Sci Rep.* 2021 Apr 21; 11(1): 8664. doi: 10.1038/s41598-021-88227-2.
  - 15) Kyojuka H, Nishigori H, Murata T, Fukuda T, Yamaguchi A, Kanno A, Yasuda S, Sato A, Ogata Y, Kuse M, Hosoya M, Yasumura S, Hashimoto K, Fujimori K, the Japan Environment and Children's Study (JECS) Group. Prepregnancy antiinflammatory diet in pregnant women with endometriosis: The Japan Environment and Children's Study. *Nutrition.* 2021 May; 85: 111129. doi: 10.1016/j.nut.2020.111129.
  - 16) Yasumitsu-Lovell K, Thompson L, Fernell E, Eitoku M, Suganuma N, Gillberg C, the Japan Environment and Children's Study Group. Birth month and infant gross motor development: Results from the Japan Environment and Children's Study (JECS). *PLoS One.* 2021 May 20; 16(5): e0251581. doi: 10.1371/journal.pone.0251581.
  - 17) Tsuchida A, Hamazaki K, Kigawa M, Tanaka T, Ito M, Inadera H, the Japan Environment and Children's Study Group. Association between maternal smoking history and congenital anomalies in children: Results from the Japan Environment and Children's Study. *Congenit Anom (Kyoto).* 2021 May 26; 61(5): 159-68. doi: 10.1111/cga.12430.
  - 18) Nishihama Y, Nakayama SF, Isobe T, Jung CR, Iwai-Shimada M, Kobayashi Y, Michikawa T, Sekiyama M, Taniguchi Y, Yamazaki S, the Japan Environment and Children's Study Group. Urinary Metabolites of Organophosphate Pesticides among Pregnant Women Participating in the Japan Environment and Children's Study (JECS). *Int J Environ Res Public Health.* 2021 May 31; 18(11): 5929. doi: 10.3390/ijerph18115929.
  - 19) Jung CR, Nishihama Y, Nakayama SF, Tamura K, Isobe T, Michikawa T, Iwai-Shimada M, Kobayashi Y, Sekiyama M, Taniguchi Y, Yamazaki S, the Japan Environment and Children's Study Group. Indoor air quality of 5, 000 households and its determinants. Part B: Volatile organic compounds and inorganic gaseous pollutants in the Japan Environment and Children's study. *Environ Res.* 2021 Jun; 197: 111135. doi: 10.1016/j.envres.2021.111135.
  - 20) Nakahara K, Michikawa T, Morokuma S, Ogawa M, Kato K, Sanefuji M, Shibata E, Tsuji M, Shimono M, Kawamoto T, Ohga S, Kusuhara K, the Japan Environment and Children's Study Group. Association of maternal sleep before and during pregnancy with sleep and developmental problems in 1-year-old infants. *Sci Rep.* 2021 Jun 4; 11(1): 11834. doi: 10.1038/s41598-021-91271-7.
  - 21) Kasamatsu H, Tsuchida A, Matsumura K, Hamazaki K, Inadera H, the Japan Environment and Children's Study Group. Paternal childcare at 6 months and risk of maternal psychological distress at 1 year after delivery: The Japan Environment and Children's Study (JECS). *Eur Psychiatry.* 2021 Jun 9; 64(1): e38. doi: 10.1192/j.eurpsy.2021.2213.
  - 22) Wada T, Adachi Y, Murakami S, Ito Y, Itazawa T, Tsuchida A, Matsumura K, Hamazaki K, Inadera H, Kamijima M, Yamazaki S, Ohya Y, Kishi R, Yaegashi N, Hashimoto K, Mori C, Ito S, Yamagata Z, Inadera H, Nakayama T, Iso H, Shima M, Kurozawa Y, Suganuma N, Kusuhara K, Katoh T. Maternal exposure to smoking and infant's wheeze and asthma: Japan Environment and Children's Study. *Allergol Int.* 2021 Jun 14; 70(4): 445-51. doi: 10.1016/j.alit.2021.04.008.
  - 23) Fukuda S, Tanaka S, Kawakami C, Kobayashi T, Ito S, the Japan Environment and Children's Study (JECS) Group.

Exposures associated with the onset of Kawasaki disease in infancy from the Japan Environment and Children's Study. *Sci Rep.* 2021 Jun 25; 11(1): 13309. doi: 10.1038/s41598-021-92669-z.

- 24) Matsumura K, Hamazaki K, Tsuchida A, Inadera H, the Japan Environment and Children's Study Group. Omega-3 fatty acid intake during pregnancy and risk of infant maltreatment: a nationwide birth cohort - the Japan Environment and Children's Study. *Psychol Med.* 2021 Jun 25; 1-10. doi: 10.1017/s0033291721002427. [Online ahead of print.]
- 25) Nishihama Y, Jung CR, Nakayama SF, Tamura K, Isohea T, Michikawa T, Iwai-Shimada M, Kobayashi Y, Sekiyama M, Taniguchi Y, Yamazaki S, the Japan Environment and Children's Study Group. Indoor air quality of 5, 000 households and its determinants. Part A: Particulate matter (PM<sub>2.5</sub> and PM<sub>10-2.5</sub>) concentrations in the Japan Environment and Children's Study. *Environ Res.* 2021 Jul; 198: 111196. doi: 10.1016/j.envres.2021.111196.
- 26) Yokomichi H, Mochizuki M, Tsuchida A, Kojima R, Horiuchi S, Ooka T, Akiyama Y, Miyake K, Otawa S, Shinohara R, Inadera H, Yamagata Z, Japan Environment and Children's Study Group. Association of the incidence of atopic dermatitis until 3 years old with birth month and with sunshine duration and humidity in the first 6 months of life: Japan Environment and Children's Study. *BMJ Open.* 2021 Jul 5; 11(7): e047226. doi: 10.1136/bmjopen-2020-047226.
- 27) Koga Y, Sanefuji M, Toya S, Oba U, Nakashima K, Ono H, Yamamoto S, Suzuki M, Sonoda Y, Ogawa M, Yamamoto H, Kusuhara K, Ohga S, Japan Environment and Children's Study (JECS) Group. Infantile neuroblastoma and maternal occupational exposure to medical agents. *Pediatr Res.* 2021 Jul 9; doi: 10.1038/s41390-021-01634-z. [Online ahead of print.]
- 28) Suzumori N, Ebara T, Tamada H, Matsuki T, Sato H, Kato S, Saitoh S, Kamijima M, Sugiura-Ogasawara M, Japan Environment and Children's Study Group. Relationship between delivery with anesthesia and postpartum depression: The Japan Environment and Children's Study (JECS). *BMC Pregnancy Childbirth.* 2021 Jul 23; 21(1): 522. doi: 10.1186/s12884-021-03996-y.
- 29) Morisaki N, Piedvache A, Nagata C, Michikawa T, Morokuma S, Kato K, Sanefuji M, Shibata E, Tsuji M, Shimono M, Ohga S, Kusuhara K, Japan Environment and Children's Study Group. Maternal blood count parameters of chronic inflammation by gestational age and their associations with risk of preterm delivery in the Japan Environment and Children's Study. *Sci Rep.* 2021 Jul 30; 11(1): 15522. doi: 10.1038/s41598-021-93101-2.
- 30) Matsumura K, Morozumi R, Hamazaki K, Tsuchida A, Inadera H, the Japan Environment and Children's Study Group. Effect estimate of time-varying social support and trust on the physical and mental health of mothers at 2.5 years postpartum: The Japan Environment and Children's Study (JECS). *J Epidemiol.* 2021 Aug 7; doi: 10.2188/jea.JE20210134. [Online ahead of print.]
- 31) Sanefuji M, Sonoda Y, Ito Y, Ogawa M, Tocan V, Inoue H, Ochiai M, Shimono M, Suga R, Senju A, Honjo S, Kusuhara K, Ohga S, Japan Environment and Children's Study Group. Physical growth and neurodevelopment during the first year of life: a cohort study of the Japan Environment and Children's Study. *BMC Pediatr.* 2021 Aug 25; 21(1): 360. doi: 10.1186/s12887-021-02815-9.
- 32) Sugimori N, Hamazaki K, Matsumura K, Kasamatsu H, Tsuchida A, Inadera H, Japan Environment and Children's Study Group. Association between mothers' fish intake during pregnancy and infants' sleep duration: a nationwide longitudinal study-The Japan Environment and Children's Study (JECS). *Eur J Nutr.* 2021 Sep 9; doi: 10.1007/s00394-021-02671-4. [Online ahead of print.]
- 33) Yang L, Sato M, Saito-Abe M, Irahara M, Nishizato M, Sasaki H, Konishi M, Ishitsuka K, Mezawa H, Yamamoto-Hanada K, Matsumoto K, Ohya Y, Japan Environment and Children's Study (JECS) Group. Hypertensive disorders of pregnancy and risk of allergic conditions in children: Findings from the Japan Environment and Children's study (JECS). *World Allergy Organ J.* 2021 Sep 11; 14(9): 100581. doi: 10.1016/j.waojou.2021.100581.
- 34) Tsuchida T, Yoshida S, Takeuchi M, Kawakami C, Kawakami K, Ito S, Japan Environment and Children's Study Group. A prospective cohort study of the association between the Apgar score and developmental status at 3 years of age: the Japan Environment and Children's Study (JECS). *Eur J Pediatr.* 2021 Sep 13; doi: 10.1007/s00431-021-04249-y. [Online ahead of print.]
- 35) Nakamura M, Matsumura K, Ohnuma Y, Yoshida T, Tsuchida A, Hamazaki K, Inadera H, Japan Environment and Children's Study Group. Association of cesarean birth with prevalence of functional constipation in toddlers at 3 years of age: results from the Japan Environment and Children's Study (JECS). *BMC Pediatr.* 2021 Sep 23; 21(1): 419. doi: 10.1186/s12887-021-02885-9.

- 36) Shiohama T, Hisada A, Yamamoto M, Sakurai K, Takatani R, Fujii K, Shimojo N, Mori C, Japan Environment and Children's Study (JECS) Group. Decreased head circumference at birth associated with maternal tobacco smoke exposure during pregnancy on the Japanese prospective birth cohort study. *Sci Rep*. 2021 Sep 23; 11(1): 18949. doi: 10.1038/s41598-021-98311-2.
- 37) Matsumura K, Hamazaki K, Tsuchida A, Inadera H, Japan Environment and Children's Study (JECS) Group. Prospective association of air purifier use during pregnancy with the neurodevelopment of toddlers in the Japan Environment and Children's Study. *Sci Rep*. 2021 Sep 30; 11(1): 19454. doi: 10.1038/s41598-021-98482-y.
- 38) Fujino T, Hasunuma H, Okuda M, Saito M, Utsunomiya T, Taniguchi Y, Taniguchi N, Shima M, Takeshima Y, Japan Environment and Children's Study (JECS) Group. Association between house renovation during pregnancy and wheezing in the first year of life: The Japan environment and children's study. *Allergol Int*. 2021 Oct; 70(4): 439-44. doi: 10.1016/j.alit.2021.05.003.
- 39) Motoki N, Inaba Y, Shibazaki T, Misawa Y, Ohira S, Kanai M, Kurita H, Tsukahara T, Nomiya T, Japan Environment and Children's Study (JECS) Group. Insufficient maternal gestational weight gain and infant neurodevelopment at 12 months of age: the Japan Environment and Children's Study. *Eur J Pediatr*. 2021 Oct 12; doi: 10.1007/s00431-021-04232-7. [Online ahead of print.]
- 40) Hasunuma H, Yoda Y, Tokuda N, Taniguchi N, Takeshima Y, Shima M, Japan Environment and Children's Study (JECS) Group. Effects of early-life exposure to dust mite allergen and endotoxin on the development of asthma and wheezing: The Japan Environment and Children's Study. *Clin Transl Allergy*. 2021 Oct 13; 11(8): e12071. doi: 10.1002/ct2.12071.
- 41) Sekine T, Tsuchiya K, Uchinuma H, Horiuchi S, Kushima M, Otawa S, Yokomichi H, Miyake K, Akiyama Y, Ooka T, Kojima R, Shinohara R, Hirata S, Yamagata Z, Japan Environment and Children's Study Group. Association of glycosylated hemoglobin at an early stage of pregnancy with the risk of gestational diabetes mellitus among non-diabetic women in Japan: The Japan Environment and Children's Study. *J Diabetes Investig*. 2021 Oct 22; doi: 10.1111/jdi.13701. [Online ahead of print.]
- 42) Yamada Y, Ebara T, Matsuki T, Kano H, Tamada H, Kato S, Sato H, Sugiura-Ogasawara M, Saitoh S, Kamijima M, The Japan Environment and Children's Study Group. Relationship between Physical Activity and Physical and Mental Health Status in Pregnant Women: A Prospective Cohort Study of the Japan Environment and Children's Study. *Int J Environ Res Public Health*. 2021 Oct 29; 18(21): 11373. doi: 10.3390/ijerph182111373.
- 43) Ma C, Iwai-Shimada M, Nakayama SF, Isobe T, Kobayashi Y, Tatsuta N, Taniguchi Y, Sekiyama M, Michikawa T, Yamazaki S, Kamijima M, the Japan Environment and Children's Study Group. Association of prenatal exposure to cadmium with neurodevelopment in children at 2 years of age: The Japan Environment and Children's Study. *Environ Int*. 2021 Nov; 156: 106762. doi: 10.1016/j.envint.2021.106762.
- 44) Mizawa M, Matsumura K, Hamazaki K, Furukawa F, Makino T, Shimizu T, Inadera H, Japan Environment and Children's Study Group. Infantile Hemangioma and the Risk Factors in a Japanese Population: A Nationwide Longitudinal Study-The Japan Environment and Children's Study. *J Invest Dermatol*. 2021 Nov; 141(11): 2745-48.e2. doi: 10.1016/j.jid.2021.05.011.
- 45) Nakaoka H, Hisada A, Matsuzawa D, Yamamoto M, Mori C, The Japan Environment and Children's Study (JECS) Group; Kamijima M, Yamazaki S, Ohya Y, Kishi R, Yaegashi N, Hashimoto K, Mori C, Ito S, Yamagata Z, Inadera H, Nakayama T, Iso H, Shima M, Kurozawa Y, Sukanuma N, Kusahara K, Katoh T. Associations between prenatal exposure to volatile organic compounds and neurodevelopment in 12-month-old children: The Japan Environment and Children's Study (JECS). *Sci Total Environ*. 2021 Nov 10; 794: 148643. doi: 10.1016/j.scitotenv.2021.148643.
- 46) Uchinuma H, Tsuchiya K, Sekine T, Horiuchi S, Kushima M, Otawa S, Yokomichi H, Miyake K, Akiyama Y, Ooka T, Kojima R, Shinohara R, Hirata S, Yamagata Z, Japan Environment and Children's Study Group. Gestational body weight gain and risk of low birth weight or macrosomia in women of Japan: a nationwide cohort study. *Int J Obes (Lond)*. 2021 Dec; 45(12): 2666-74. doi: 10.1038/s41366-021-00947-7.
- 47) Yamamoto-Hanada K, Suzuki Y, Yang L, Saito-Abe M, Sato M, Mezawa H, Nishizato M, Kato N, Ito Y, Hashimoto K, Ohya Y, Japan Environment and Children's Study (JECS) Group. Persistent eczema leads to both impaired growth and food allergy: JECS birth cohort. *PLoS One*. 2021 Dec 1; 16(12): e0260447. doi: 10.1371/journal.pone.0260447.
- 48) Yang L, Sato M, Saito-Abe M, Irahara M, Nishizato M, Sasaki H, Konishi M, Ishitsuka K, Mezawa H, Yamamoto-Hanada K, Ohya Y, Japan Environment and Children's Study (JECS) Group. 25-Hydroxyvitamin D levels among 2-year-old children: findings from the Japan environment and Children's study (JECS). *BMC Pediatr*. 2021 Dec 2; 21(1): 539. doi: 10.1186/

s12887-021-03005-3.

- 49) Murata T, Kyojuka H, Fukuda T, Endo Y, Kanno A, Yasuda S, Yamaguchi A, Sato A, Ogata Y, Shinoki K, Hosoya M, Yasumura S, Hashimoto K, Nishigori H, Fujimori K, Japan Environment and Children's Study (JECS) Group. Urinary 8-hydroxy-2'-deoxyguanosine levels and small-for-gestational age infants: a prospective cohort study from the Japan Environment and Children's Study. *BMJ Open*. 2021 Dec 2; 11(12): e054156. doi: 10.1136/bmjopen-2021-054156.

#### ◆ 症例報告

- 1) 堀江貞志, 種市尋宙, 齋藤 悠, 和田拓也, 倉本 崇, 田中朋美, 足立雄一. 著明な脳浮腫と出血性脳梗塞を生じた糖尿病性ケトアシドーシスの1小児例. *小児内科*. 2021 Apr 1; 53(4): 694-699.

#### ◆ 学会報告

- 1) 山崎 (長井) 輝美. 富山ユニットセンターにおけるエコチル調査のフォローアップ戦略. 第91回日本衛生学会学術総会; 2021 Mar 6-8; 富山 (オンライン).
- 2) 松村健太, 浜崎 景, 土田暁子, 笠松春花, 稲寺秀邦. エコチル調査における教育歴と産後うつとのリスク: 産後うつの各症状に注目して. 第91回日本衛生学会学術総会; 2021 Mar 6-8; 富山 (オンライン).
- 3) 土田暁子, 浜崎 景, 金谷久美子, 稲寺秀邦, 中山健夫, 板澤寿子, 大西一成, 黒沢洋一, 平林今日子, 足立雄一. 黄砂の乳幼児の目・鼻・呼吸器の症状への影響と, 影響を低減する方法. 第91回日本衛生学会学術総会; 2021 Mar 6-8; 富山 (オンライン).
- 4) 城川美佳, 土田暁子, 浜崎 景, 稲寺秀邦. 出生コホート研究参加女性における, 産後1か月質問票未回収の関連要因. 第91回日本衛生学会学術総会; 2021 Mar 6-8; 富山 (オンライン).
- 5) 金塚ゆう, 高原佳奈, 新井映美, 土田暁子. 小児期から青年期の骨折発生率の検討. 第91回日本衛生学会学術総会; 2021 Mar 6-8; 富山 (オンライン).
- 6) 浜崎 景, 松村健太, 土田暁子, 笠松春花, 田中朋美, 伊藤実香, 稲寺秀邦. 妊娠期の魚食と産後6か月および1歳時の神経発達との関連について(エコチル調査). 第91回日本衛生学会学術総会; 2021 Mar 6-8; 富山 (オンライン).
- 7) 三浦佳代子, 高守史子, 浜崎 景, 土田暁子, 田中朋美, 折笠秀樹, 稲寺秀邦. 妊娠前期における食事パターンと健康関連QOL: エコチル調査. 第91回日本衛生学会学術総会; 2021 Mar 6-8; 富山 (オンライン).
- 8) 稲寺秀邦, 高守史子, 松村健太, 土田暁子, 崔 正国, 浜崎 景, 田中朋美, 伊藤実香, 城川美佳, 折笠秀樹, 道川武紘, 中山祥嗣, 磯部友彦, 竹内文乃, 佐藤俊哉, 新田裕史, 山崎新. 妊婦の血中カドミウム濃度と児の出生時体格の関連. 第91回日本衛生学会学術総会; 2021 Mar 6-8; 富山 (オンライン).
- 9) 松村健太, 井上真理子, 北瀬晶子, 辻小夜可, 山崎輝美, 土田暁子, 和田拓也, 田中朋美, 三澤 恵, 浜崎 景, 清水忠道, 足立雄一, 稲寺秀邦. エコチル調査富山ユニットセンター 10年のあゆみ②. 第60回富山県小児保健学会; 2021 Oct 3; 富山 (オンライン).
- 10) 土田暁子, 井上真理子, 北瀬晶子, 辻小夜可, 山崎輝美, 田中朋美, 松村健太, 浜崎 景, 足立雄一, 稲寺秀邦. エコチル調査富山ユニットセンター 10年のあゆみ①. 第60回富山県小児保健学会; 2021 Oct 3; 富山 (オンライン).
- 11) 畠山岳大, 北瀬晶子, 井上真理子, 山崎輝美, 田中朋美, 土田暁子, 松村健太, 両角良子, 浜崎 景, 稲寺秀邦. エコチル調査富山ユニットセンターにおける成果発表の進捗状況とソーシャルキャピタルに関する知見. 第80回日本公衆衛生学会総会; 2021 Dec 21-23; 東京.
- 12) 北瀬晶子, 畠山岳大, 井上真理子, 山崎 (長井) 輝美, 田中朋美, 土田暁子, 松村健太, 浜崎 景, 足立雄一, 稲寺秀邦. エコチル調査富山ユニットセンター 10年の進捗. 第80回日本公衆衛生学会総会; 2021 Dec 21-23; 東京.
- 13) 松村健太, 浜崎 景, 土田暁子, 稲寺秀邦. 妊娠中のオメガ3系脂肪酸摂取量と出産後の不適切養育行動のリスク: エコチル調査. 第80回日本公衆衛生学会総会; 2021 Dec 21-23; 東京.
- 14) 稲寺秀邦, 高守史子, 松村健太, 土田暁子, 浜崎 景, 城川美佳, 道川武紘, 中山祥嗣, 新田裕史, 山崎 新. 妊娠中の母親の血中カドミウム濃度と児の出生時体格: エコチル調査より. 第80回日本公衆衛生学会総会; 2021 Dec 21-23; 東京.
- 15) 笠松春花, 土田暁子, 松村健太, 浜崎 景, 稲寺秀邦. 父親の育児行動の頻度と母親の心理的苦痛の関連: エコチル調査より. 第80回日本公衆衛生学会総会; 2021 Dec 21-23; 東京.
- 16) 土田暁子, 城川美佳, 浜崎 景, 稲寺秀邦. 母親の喫煙歴と出生児の先天性異常の関連: エコチル調査より. 第80回日本公衆衛生学会総会; 2021 Dec 21-23; 東京.

## ◆ その他

- 1) 田中朋美. 小児てんかんにおける薬物療法とペランパネル臨床応用の実際. エーザイ株式会社・エーザイジャパン社内研修会. 2021 Feb 26 ; 富山.
- 2) 田中朋美. 富山大学附属病院結節性硬化症診療チームの取り組み. TSC WEB Seminar in Hokuriku. 2021 Jun 23 ; WEB開催.
- 3) 田中朋美. 生後3か月時からオプソクロノスをきたしている一例. 2021年度日本小児神経学会北陸地方会夏季セミナー(第11回白山セミナー). 2021 Jul 31-Aug 1 ; 白山.
- 4) 土田暁子. 毎日何時間ねてるかな?ねむりとからだのことを知ろう!(エコチル調査の結果紹介). 富山県滑川市立西部小学校 学校保健委員会. 2021 Oct 20 ; 滑川.
- 5) 田中朋美. 小児てんかんにおけるラコラミドの位置付け. 小児てんかんWebセミナー. 2021 Oct 29 ; WEB開催.
- 6) 堀江貞志, 種市尋甫, 太田安孝, 寺下新太郎, 加藤泰輔, 高崎麻美, 田中朋美, 足立雄一. 口腔内所見が目立たなかった気道熱傷の幼児例. 第31回北陸小児救急・集中治療研究会. 2021 Nov 13 ; WEB開催.
- 7) 稲寺秀邦. 健康障害及びその予防措置に関する知識 石綿作業主任者技能講習. 建設業労働災害防止協会富山県支部. 2021 Jan 21 ; 富山.
- 8) 稲寺秀邦. 第63回北陸甲信越地方会(富山)開催報告. 日本産業衛生学会北陸甲信越地方会ニュース. 2021 Mar 31 ; Vol 8, 2-3.
- 9) 稲寺秀邦. 職場における新型コロナウイルス対策. 富山産業保健総合支援センター 産業保健セミナー. 2021 Apr 15 ; 富山.
- 10) 稲寺秀邦. エコチル調査からみた富山の環境. 富山市民大学. 2021 May 6 ; 富山.
- 11) 山崎輝美. 胎児期および小児期における受動喫煙とアレルギー性鼻炎発症に関する前向き研究. 令和2年度喫煙科学研究財団研究報告. 2021 Sep 2 ; オンライン.
- 12) 稲寺秀邦. 働き方改革における産業保健スタッフの役割. 富山産業保健総合支援センター 産業医研修会. 2021 Oct 14 ; 富山.
- 13) 稲寺秀邦. 職場環境改善の実際. 富山産業保健総合支援センター 産業保健セミナー. 2021 Nov 11 ; 富山.
- 14) 稲寺秀邦. 産業保健-最近のトピックから-. 富山産業保健総合支援センター 産業保健セミナー. 2021 Dec 2 ; 富山.
- 15) 稲寺秀邦. 富山大学における公衆衛生活動. 金沢大学十全医学会雑誌. 130(1):19-20, 2021.
- 16) 稲寺秀邦. 第91回日本衛生学会学術総会(富山)開催報告. 金沢大学十全医学会雑誌. 130(1):29, 2021.
- 17) 稲寺秀邦. 第91回日本衛生学会学術総会(富山)を主催して. 富山市医師会報. 604:5-6, 2021.
- 18) 稲寺秀邦. 第91回日本衛生学会学術総会(富山)開催報告. 一般社団法人社会医学系専門医協会ニュースレター 春季号. 5(1):4-5, 2021.
- 19) 土田暁子, 井上真理子, 北瀬晶子, 辻小夜可, 山崎輝美, 田中朋美, 松村健太, 浜崎 景, 足立雄一, 稲寺秀邦. エコチル調査富山ユニットセンター10年のあゆみ①. 富山. 第60回富山県小児保健学会 とやま小児保健 19:10-11, 2021.
- 20) 松村健太, 井上真理子, 北瀬晶子, 辻小夜可, 山崎輝美, 土田暁子, 和田拓也, 田中朋美, 三澤 恵, 浜崎 景, 清水忠道, 足立雄一, 稲寺秀邦. エコチル調査富山ユニットセンター10年のあゆみ②. 富山. 第60回富山県小児保健学会 とやま小児保健 19:12-17, 2021.
- 21) 稲寺秀邦. 第91回日本衛生学会学術総会(富山)開催報告. -これからの衛生学と日本衛生学会の使命- 健康開発 26(2):64-68, 2021.