公衆衛生学講座

Public Health

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◆ 原 著

- 1) Mitsuda N, Eitoku M, Yamasaki K, Sakaguchi M, Yasumitsu-Lovell K, Maeda N, Fujieda M, Suganuma N; Japan Environment & Children's Study (JECS) Group. Nausea and vomiting during pregnancy associated with lower incidence of preterm births: the Japan Environment and Children's Study (JECS). BMC Pregnancy Childbirth. 2018 Jun 27; 18(1): 268.
- 2) Michikawa T, Nitta H, Nakayama SF, Yamazaki S, Isobe T, Tamura K, Suda E, Ono M, Yonemoto J, Iwai-Shimada M, Kobayashi Y, Suzuki G, Kawamoto T; Japan Environment and Children's Study Group. Baseline profile of participants in the Japan Environment and Children's Study (JECS). J Epidemiol. 2018 Feb 5; 28(2): 99-104.
- 3) Cui ZG, Jin YJ, Sun L, Zakki SA, Li ML, Feng QW, Kondo T, Ogawa R, Inadera H. Potential hazards of fenvalerate in massive pollution influence the apoptosis sensitivity. J Appl Toxicol. 2018 Feb; 38(2): 240-7.
- 4) Zakki SA, Cui ZG, Sun L, Feng QW, Li ML, Inadera H. Baicalin augments hyperthermia-induced apoptosis in U937 cells and modulates the MAPK pathway via ROS generation. Cell Physiol Biochem. 2018; 45(6): 2444-60.
- 5) Hamazaki K, Takamori A, Tsuchida A, Kigawa M, Tanaka T, Ito M, Adachi Y, Saito S, Origasa H, Inadera H, and Japan Environment and Children's Study (JECS) Group. Dietary intake of fish and n-3 polyunsaturareted fatty acids and risks of perinatal depression: The Japan Environment and Children's Study (JECS). J Psychiatr Res. 2018 Mar; 98: 9-16.
- 6) Sun L, Cui ZG, Zakki SA, Feng QW, Li ML, Inadera H. Mechanistic study of nonivamide enhancement of hyperthermia-induced apoptosis in U937 cells. Free Rad Biol Med. 2018 May 20; 120: 147-59.
- 7) Tanaka R, Tsuji M, Senju A, Kusuhara K, Kawamoto T, Japan Environment and Children's Study Group. Dietary differences in male workers among smaller occupational groups within large occupational categories: Findings from the Japan Environment and Children's Study (JECS). Int J Environ Res Public Health. 2018 May 11; 15(5). pii: E961.
- 8) Hamazaki K, Iso H, Eshak ES, Ikehara S, Ikeda A, Iwasaki M, Hamazaki T, Tsugane S, for the JPHC Study Group. Plasma Levels of n-3 Fatty Acids and Risk of Coronary Heart Disease Among Japanese: The Japan Public Health Center-based (JPHC) Study. Atherosclerosis. 2018 May; 272: 226-32.
- 9) Watanabe N, Matsuoka Y, Kumachi M, Hamazaki K, Horikoshi M, Furukawa TA. Omega-3 fatty acids for a better mental state in working populations Happy Nurse Project: A 52-week randomized controlled trial. J Psychiatr Res. 2018 Jul; 102: 72-80.
- 10) Yamamoto-Hanada K, Ishitsuka K, Pak K, Saito M, Ayabe T, Mezawa H, Konishi M, Yang L, Matsumoto K, Saito H, Ohya Y; Japan Environment and Children's Study (JECS) Group. Allergy and mental health among pregnant women in the Japan Environment and Children's Study. J Allergy Clin Immunol Pract. 2018 Jul-Aug; 6(4): 1421-4.e2.
- 11) Ishikawa T, Obara T, Nishigori H, Nishigori T, Metoki H, Ishikuro M, Tatsuta N, Mizuno S, Sakurai K, Nishijima, Murai Y, Fujiwara I, Arima T, Nakai K, Yaegashi N, Kuriyama S, Mano N; JECS Group. Update on the prevalence and determinants of folic acid use in Japan evaluated with 91 538 pregnant women: the Japan Environment and Children's Study. J Matern Fetal Neonatal Med. 2018 Aug; 19: 1-10.
- 12) Tanaka R, Tsuji M, Asakura K, Senju A, Shibata E, Kusuhara K, Morokuma S, Sanefuji M, Kawamoto T; Japan Environment and Children's Study Group. Variation in men's dietary intake between occupations, based on data from the Japan Environment and Children's Study. Am J Mens Health. 2018 Sep; 12(5): 1621-34.
- 13) Saito M, Yamamoto-Hanada K, Pak K, Ayabe T, Mezawa H, Ishitsuka K, Konishi M, Yang L, Matsumoto K, Saito H, Ohya Y; Japan Environment and Children's Study (JECS) Group. Having small-for-gestational-age infants was associated with maternal allergic features in the JECS birth cohort. Allergy. 2018 Sep; 73(9): 1908-11.
- 14) Iwai-Shimada M, Nakayama SF, Isobe T, Michikawa T, Yamazaki S, Nitta H, Takeuchi A, Kobayashi Y, Tamura K, Suda E, Ono M, Yonemoto J, Kawamoto T; Japan Environment and Children's Study Group. Questionnaire results on exposure

- characteristics of pregnant women participating in the Japan Environment and Children Study (JECS). Environ Health Prev Med. 2018 Sep 15; 23(1): 45.
- 15) Piao JL, Jin YJ, Li ML, Zakki SA, Sun L, Feng QW, Zhou D, Kondo T, Cui ZG, Inadera H. Excessive oxidative stress in the synergistic effects of shikonin on the hyperthermia-indeced apoptosis. Curr Mol Med. 2018 Oct; 18(5): 322-34.
- 16) Takami M, Tsuchida A, Takamori A, Aoki S, Ito M, Kigawa M, Kawakami C, Hirahara F, Hamazaki K, Inadera H, Ito S, and the Japan Environment & Children's Study (JECS) Group. Effects of physical activity during pregnancy on preterm delivery and mode of delivery: The Japan Environment and Children's Study, birth cohort study. PLoS One. 2018 Oct 29; 13(10): e0206160.
- 17) Tsuji M, Shibata E, Morokuma S, Tanaka R, Senju A, Araki S, Sanefuji M, Koriyama C, Yamamoto M, Ishihara Y, Kusuhara K, Kawamoto T; Japan Environment & Children's Study Group. The association between whole blood concentrations of heavy metals in pregnant women and premature births: The Japan Environment and Children's Study (JECS). Environ Res. 2018 Oct; 166: 562-9.
- 18) Oguri T, Ebara T, Nakayama SF, Sugiura-Ogasawara M, Kamijima M; Japan Environment and Children's Study Group. Association between maternal blood cadmium and lead concentrations and gestational diabetes mellitus in the Japan Environment and Children's Study. Int Arch Occup Environ Health. 2018 Oct 30. doi: 10.1007/s00420-018-1367-7.
- 19) Sugiura-Ogasawara M, Ebara T, Yamada Y, Shoji N, Matsuki T, Kano H, Kurihara T, Omori T, Tomizawa M, Miyata M, Kamijima M, Saitoh S; Japan Environment, Children's Study (JECS) Group. Adverse pregnancy and perinatal outcome in patients with recurrent pregnancy loss: Multiple imputation analyses with propensity score adjustment applied to a large-scale birth cohort of the Japan Environment and Children's Study. Am J Reprod Immunol. 2018 Nov 14; e13072.
- 20) Tsuchida A, Hamazaki K, Matsumura K, Miura K, Kasamatsu H, Inadera H, Japan Environment and Children's Study (JECS). Changes in the association between postpartum depression and mother-infant bonding by parity: Longitudinal results from the Japan Environment and Children's Study. J Psychiatric Res. 2018 Nov 28; 110: 110-6.
- 21) Yoshida T, Matsumura K, Tsuchida A, Hamazaki K, Inadera H; Japan Environment and Children's Study Group. Association between cesarean section and constipation in infants: The Japan Environment and Children's Study (JECS). BMC Res Notes. 2018 Dec 12; 11(1): 882.
- 22) Tanaka R, Tsuji M, Kusuhara K, Kawamoto T; Japan Environment and Children's Study Group. Association between time-related work factors and dietary behaviors: results from the Japan Environment and Children's Study (JECS). Environ Health Prev Med. 2018 Dec 14; 23(1): 62.
- 23) Morisaki N, Nagata C, Yasuo S, Morokuma S, Kato K, Sanefuji M, Shibata E, Tsuji M, Senju A, Kawamoto T, Ohga S, Kusuhara K; Japan Environment and Children's Study Group. Optimal protein intake during pregnancy for reducing the risk of fetal growth restriction: the Japan Environment and Children's Study. Br J Nutr. 2018 Dec; 120(12): 1432-40.
- 24) Okubo R, Noguchi H, Hamazaki K, Sekiguchi M, Kinoshita T, Katsumata N, Narisawa T, Uezono Y, Xiao J, Matsuoka YJ. Association between blood polyunsaturated fatty acid levels and depressive symptoms in breast cancer survivors. Prostaglandins Leukot Essent Fatty Acids. 2018 Dec; 139: 9-13.

◆ 総 説

 Okubo R, Chen C, Sekiguchi M, Hamazaki K, Matsuoka YJ. Mechanisms underlying the effects of n-3 polyunsaturated fatty acids on fear memory processing and their hypothetical effects on fear of cancer recurrence in cancer survivors. Prostaglandins Leukot Essent Fatty Acids. 2018 Apr; 131: 14-23.

◆ 学会報告

- 1) Tsuchida A, Kanatani K, Adachi Y, Hamazaki K, Inadera H, Onishi K, Kurozawa Y, Nakayama T and Japan Environment and Children's Study (JECS) group. The effect of Asian dust on infants'nose, eyes and respiratory symptoms (ポスター). The Korean Academy of Asthma, Allergy and Clinical Immunology Spring Congress 2018; 2018 May 10-12; Seoul, Korea.
- 2) Hamazaki K, Takamori A, Tsuchida A, Kigawa M, Tanaka T, Ito M, Adachi Y, Saito S, Origasa H, Inadera H, Japan Environment and Children's Study (JECS) Group. Dietary intake of fish and n-3 polyunsaturated fatty acids and risks of perinatal depression: The Japan Environment and Children's Study (JECS) (シンポジウム) . 13th Congress of The International Society For The Study Of Fatty Acids and Lipids; 2018 May 27-30; Las Vegas, USA.
- 3) Matsuoka Y, Sawada N, Mimura M, Shikimoto R, Nozaki S, Hamazaki K, Uchitomi Y, Tsugane S. Dietary fish, n-3