**Research letter: Association of acetaminophen exposure with increased risk of eczema in children: A meta-analysis**

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**Table 1. Characteristics of the included studies**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Study | Publication year | Country | Study design | Sample size | Age at eczema diagnosis | Primary outcome | Adjusted confounding variables |
| Shaheen1 | 2002 | UK | Cohort study | 13988 | 1.5y-2.5y | Prenatal ORs=1.51(1.03-2.21)  In infancy ORs=1.22(1.05-1.41) | Child’s sex, mother’s education level, mother’s housing tenure, mother’s ethnic origin, mother’s parity, mother’s age, birth season. |
| Cohet2 | 2004 | New Zealand | Cohort study | 2539 | 6-7y | Exposure in the first year ORs=0.91(CI, 0.80-1.04)  Recent year ORs=1.27(1.02-1.58) | NA |
| Barragán-Meijueiro3 | 2006 | Mexico | Cohort study | 3493 | 6-7y | Recent ORs=1.81(CI, 1.24-2.66) | NA |
| Vlaski4 | 2007 | Macedonia | Cross-sectional study | 3026 | 13-14y | Medium ORs=1.22(CI, 0.81-1.85)  High ORs=1.16(CI, 0.54-2.53) | Sex, gas cooking exposure at home, passive smoking exposure at home, outdoor air pollutants exposure, current fruit and vegetables intake |
| Beasley5 | 2008 | 31 countries | Multiple centers, cohort study | 205487 | 6-7y,  13-14y | First year of exposure ORs=1.35(CI, 1.26-1.45) | Sex, region of the world, language, and gross national income |
| Foliaki6 | 2008 | 8 Pacific island countries | Cohort study | 17683 | 6-7y | High ORs=1.47(CI, 1.26-1.71) | NA |
| Belyhun7 | 2010 | Ethiopia | Cohort study | 899 | 1y | High ORs=2.61(CI,0.85-8.07)  Medium ORs=1.00(CI,0.57-1.78) | NA |
| Lowe8 | 2010 | Australia | Cohort study | 620 | 6-7y | ORs=1.10(CI, 0.93-1.29) | Infant’s sex, parental history of asthma, and presence of older siblings at time of birth |
| Wang H-Y,9 | 2010 | Canada | Cross-sectional study | 8334 | 13-14y | High ORs=1.42(CI, 1.20-1.69) | gestational age, birth weight, sex, Retinopathy grade ≥III, grade III/IV Intraventricular hemorrhage and Periventricular Leukomalacia |
| Beasley10 | 2011 | 54 countries | Cross-sectional study | 361598 | 13-14y | Medium vs never ORs=1.28(CI, 1.20-1.36)  High vs Never ORs=1.90(CI, 1.78-2.03) | Sex, region of the world, language, and gross national income |
| Jedrychowski11 | 2011 | Poland | Cohort study | 322 | 5y | ORs=1.27(CI, 0.90-1.77) | NA |
| Jiu-Yao Wang12, | 2013 | China | Cohort study | 263620 | 1y | 1998 birth cohort ORs=2.02(CI, 1.92-2.13)  2003 birth cohort ORs=1.02(CI, 0.85-1.22) | Healthcare utilization (including no. of ambulatory  visits, no. of inpatient visits, no. of otitis media diagnoses and no. of bronchitis diagnoses) |
| Clayton13 | 2013 | New Zealand | Cohort study | 13317 | 6-7y,  13-14y | ORs=1.64(CI, 1.35-1.99)  ORs=2.19(CI, 1.72-2.79) | NA |
| Suárez-Medina14 | 2014 | Cuba | Cohort study | 1956 | 12-15 months | Prenatal  ORs=0.86(CI,0.43-1.73)  Infant exposure  ORs=1.35(CI,1.12-1.62) | Symptoms of wheezing |
| Fazlollahi15 | 2017 | Iran | Cohort study | 4993 | 6-7y | ORs=1.16(CI,0.88-1.54) | NA |

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