|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Table 4: Included epidemiological publication of autism and metals in teeth and fingernails** | | | | | |
| **Author (year)** | **Population** | **ASD measurement** | **Metals** | | **Results** |
| **Teeth** | **Fingernail** |
| Abdullah et al. (2012) | Cases: 22  Controls: 22  In the USA  Age 9-14 years | ADOS and  ADI-R | Pb  Mn |  | Prenatal mean (SD) Pb: 0.38 (0.59) ppm in controls; 0.27 (0.27) ppm in cases; p=0.39  Postnatal mean (SD) Pb: 0.43 (0.61) ppm in controls; 0.29 (0.29) ppm in cases; p=0.43  Prenatal mean (SD) Mn: 1.63 (0.95) ppm in controls; 1.41 (1.10) ppm in cases; p=0.43  Postnatal mean (SD) Mn: 2.91 (2.43) ppm in controls; 1.87 (2.01) ppm in cases; p=0.08 |
|  |  |  |  |  |  |
| Lakshmi et al. (2011) | Cases: 45  Controls: 50  In India  Age 4-12 years | M-CHAT |  | Pb | Mean (SD) Pb: 16.2 (1.94) µg/g in controls; 26.38 (3.16) µg/g in low functioning cases (p<0.001); 17.68 (2.12) µg/g in mid functioning cases (p=NS); 16.48 (1.80) in high functioning cases (p=NS) |
|  |  |  |  | |  |
| Adams et al. (2007) | Cases: 15  Controls: 11  In Arizona, USA  Mean (SD) Age:  Cases=6.1 (2.2) Controls=7.0 (1.7) | ADOS and/or CARS-2 | Pb |  | Mean (SD) Pb: 0.29 (0.14) µg/g in controls; 0.38 (0.32) µg/g in cases; p=NS |
| Pb = Lead; Mn = Manganese  SD = Standard deviation | | | | | |