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Thyroid disruption and reduced mental development in children from an informal e-waste recycling area: a mediation analysis

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Highlights

- Median values of Pb, Cd, FT₄ and TSH in Guiyu were higher than that of the reference area.
- Guiyu children had lower cognitive Scores than those in the reference area.
- Pb was negatively correlated with both cognitive and language scores, however, Cd was correlated with neither cognitive scores nor language scores.
- TH and TSH did not significantly mediate the relationship between two kinds of heavy metals and mental development of children respectively.

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