The Relationship of TPOAb and TGAb with Risk of Thyroid Nodules: A Large Epidemiological Study

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Figure S1. Unrestricted cubic splines with unadjusted odds ratios plotted for each level of T3. (a) This graph shows unadjusted ORs with 95% CI (capped spikes) for the relation of T3 to the occurrence of thyroid nodules in Chinese adult. T3 was modeled by unrestricted cubic splines with four knots at percentiles 20%, 40%, 60%, and 80% in a logistic regression model. The reference value is level 2. The level of T3 ranged from level 1 to level 21. Level 1 represents the concentration under 0.6 μg/L, the level 21 represents the concentration over 2.6 μg/L. The gap between two levels was 0.1 μg/L. (b) This graph shows unadjusted ORs with 95% CI (capped spikes) for the relation of T3 to the occurrence of thyroid nodules in males and females of Chinese adult. The small figure 1 shows the relation in males; the small figure 2 shows the relation in females. T3 was modeled by unrestricted cubic splines with four knots at percentiles 20%, 40%, 60%, and 80% in a logistic regression model. The reference value is level 2. The level of T3 ranged from level 1 to level 21. Level 1 represents the concentration under 0.6 μg/L, the level 21 represents the concentration over 2.6 μg/L. The gap between two levels was 0.1 μg/L.
Figure S2. Unrestricted cubic splines with unadjusted odds ratios plotted for each level of FT3. (a) This graph shows unadjusted ORs with 95% CI (capped spikes) for the relation of FT3 to the occurrence of thyroid nodules in Chinese adult. FT3 was modeled by unrestricted cubic splines with four knots at percentiles 20%, 40%, 60%, and 80% in a logistic regression model. The reference value is level 3. The level of FT3 rang from level 1 to level 36. Level 1 represent the concentration between 2.1 μg/L and 2.2 ng/L, the level 36 represent the concentration over 5.6 ng/L. The gap between two levels was 0.1 ng/L. (b) This graph shows unadjusted ORs with 95% CI (capped spikes) for the relation of FT3 to the occurrence of thyroid nodules in males and females of Chinese adult. The small figure 1 shows the relation in males; the small figure 2 shows the relation in females. FT3 was modeled by unrestricted cubic splines with four knots at percentiles 20%, 40%, 60%, and 80% in a logistic
regression model. The reference value is level 3. The level of FT3 range from level 1 to level 36. Level 1 represent the concentration between 2.1 μg/L and 2.2 ng/L, the level 36 represent the concentration over 6.0 ng/L. The gap between two levels was 0.1 ng/L.

Figure S3. Unrestricted cubic splines with unadjusted odds ratios plotted for each level of T4. (a) This graph shows unadjusted ORs with 95% CI (capped spikes) for the relation of T4 to the occurrence of thyroid nodules in Chinese adult. T4 was modeled by unrestricted cubic splines with four knots at percentiles 20%, 40%, 60%, and 80% in a logistic regression model. The reference value is level 2. The level of T4 range from level 1 to level 25. Level 1 represent the concentration under 45 μg/L, the level
25 represent the concentration over 160μg/L. The gap between two levels was 5μg/L. (b) This graph shows unadjusted ORs with 95% CI (capped spikes) for the relation of T4 to the occurrence of thyroid nodules in males and females of Chinese adult. The small figure 1 shows the relation in males; the small figure 2 shows the relation in females. T4 was modeled by unrestricted cubic splines with four knots at percentiles 20%, 40%, 60%, and 80% in a logistic regression model. The reference value is level 2. The level of T4 ranged from level 1 to level 25. Level 1 represents the concentration under 45μg/L, the level 25 represents the concentration over 160μg/L. The gap between two levels was 5μg/L.

Figure S4. Unrestricted cubic splines with unadjusted odds ratios plotted for each level of FT4. (a) This graph shows unadjusted ORs with 95% CI (capped spikes) for the relation of FT4 to the
occurrence of thyroid nodules in Chinese adult. FT4 was modeled by unrestricted cubic splines with four knots at percentiles 20%, 40%, 60%, and 80% in a logistic regression model. The reference value is level 1. The level of FT4 rang from level 1 to level 19. Level 1 represent the concentration under 8.9ng/L, the level 19 represent the concentration over 26ng/L. The gap between two levels was 1ng/L.

(b) This graph shows unadjusted ORs with 95% CI (capped spikes) for the relation of FT4 to the occurrence of thyroid nodules in males and females of Chinese adult. The small figure1 shows the relation in males; the small figure2 shows the relation in females. FT4 was modeled by unrestricted cubic splines with four knots at percentiles 20%, 40%, 60%, and 80% in a logistic regression model. The reference value is level 1. The level of FT4 rang from level 1 to level 19. Level 1 represent the concentration under 8.9ng/L, the level 19 represent the concentration over 26ng/L. The gap between two levels was 1ng/L.
Figure S5. Unrestricted cubic splines with unadjusted odds ratios plotted for each level of TSH. (a) This graph shows unadjusted ORs with 95% CI (capped spikes) for the relation of TSH to the occurrence of thyroid nodules in Chinese adult. TSH was modeled by unrestricted cubic splines with four knots at percentiles 20%, 40%, 60%, and 80% in a logistic regression model. The reference value is level 1. The level of TSH rang from level 1 to level 18. Level 1 represent the concentration under 0.35mIU/L, the level 18 represent the concentration over 10mIU/L. The gap between two levels was 0.5mIU/L. (b) This graph shows unadjusted ORs with 95% CI (capped spikes) for the relation of TSH to the occurrence of thyroid nodules in males and females of Chinese adult. The small figure1 shows the relation in males; the small figure2 shows the relation in females. TSH was modeled by unrestricted cubic splines with four knots at percentiles 20%, 40%, 60%, and 80% in a logistic regression model. The reference value is level 1. The level of TSH rang from level 1 to level 18. Level 1 represent the concentration under 0.35mIU/L, the level 18 represent the concentration over 10mIU/L. The gap between two levels was 0.5mIU/L.
Figure S6. Unrestricted cubic splines with unadjusted odds ratios plotted for each level of TPOAb. (a) This graph shows unadjusted ORs with 95% CI (capped spikes) for the relation of TPOAb to the occurrence of thyroid nodules in Chinese adult. TPOAb was modeled by unrestricted cubic splines with four knots at percentiles 20%, 40%, 60%, and 80% in a logistic regression model. The reference value is level 1. The level of TPOAb rang from level 1 to level 20. Level 1 represent the concentration under 10KU/L, the level 20 represent the concentration over 220KU/L. The gap between two levels was 10KU/L. (b) This graph shows unadjusted ORs with 95% CI (capped spikes) for the relation of TPOAb to the occurrence of thyroid nodules in males and females of Chinese adult. The small figure1 shows the relation in males; the small figure2 shows the relation in females. TPOAb was modeled by unrestricted cubic splines with four knots at percentiles 20%, 40%, 60%, and 80% in a logistic regression model. The reference value is level 1. The level of TPOAb rang from level 1 to level 20. Level 1 represent the concentration under 10KU/L, the level 20 represent the concentration over 220KU/L. The gap between two levels was 10KU/L.
Figure S7. Unrestricted cubic splines with unadjusted odds ratios plotted for each level of TGAb. (a) This graph shows unadjusted ORs with 95% CI (capped spikes) for the relation of TGAb to the occurrence of thyroid nodules in Chinese adult. TPAb was modeled by unrestricted cubic splines with four knots at percentiles 20%, 40%, 60%, and 80% in a logistic regression model. The reference value is level 1. The level of TGAb ranged from level 1 to level 25. Level 1 represents the concentration under 10KU/L, the level 20 represents the concentration over 600KU/L. The gap between two levels was 10KU/L before level 21. The gap between two levels was 100KU/L from 200KU/L. (b) This graph shows unadjusted ORs with 95% CI (capped spikes) for the relation of TGAb to the occurrence of thyroid nodules in males and females of Chinese adult. The small figure 1 shows the relation in males; the small figure 2 shows the relation in females. TPAb was modeled by unrestricted cubic splines with four knots at percentiles 20%, 40%, 60%, and 80% in a logistic regression model. The reference value
is level 1. The level of TGAb rang from level 1 to level 25. Level 1 represent the concentration under 10KU/L, the level 20 represent the concentration over 600KU/L. The gap between two levels was 10KU/L before level 21. The gap between two levels was 100KU/L from 200KU/L.