



**Supplement 2.** Distribution of the Ca/P mass ratio using a guideline-based cutoff. Boxplots illustrate the distribution of the Ca/P mass ratio by group, including the median, interquartile range, and outliers. The dashed horizontal line indicates the guideline-based cutoff value of 1.3 used to define the Ca/P-High group. Ca/P, calcium-to-phosphorus.