A Quantitative Analysis of Residual Rickets Prevalence in Early Modern London

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Introduction
In the 15th to 18th centuries, early modern London was a crowded and densely populated city. The population was characterized by high birth rates, low life expectancy, and a high prevalence of disease. One such disease, rickets, is a chronic disorder of mineral metabolism that results in a deficiency of vitamin D, leading to bone deformities and a weakened skeletal system. Rickets was a significant health issue in early modern London, as evidenced by the skeletal remains of individuals who lived and died in the city. The prevalence of rickets in early modern London can provide insights into the health and living conditions of the population.

Methods
The study used a quantitative approach to analyze the prevalence of residual rickets in early modern London. A total of 300 skeletal samples were examined, including long bones, ribs, and teeth. The samples were from individuals who lived in London from the 16th to 18th centuries. The analysis focused on the metabolic and morphological features of rickets, including the presence of metaphyseal lesions and abnormalities in the long bones.

Results
The analysis showed a high prevalence of residual rickets in early modern London, indicating that the city's population was affected by this chronic disorder. The findings were consistent with historical and environmental evidence, suggesting that the Little Ice Age and urbanization contributed to the high prevalence of rickets.

Discussion and Conclusion
The high prevalence of residual rickets in early modern London highlights the need for improved public health measures to prevent and treat this chronic disorder. The study's findings contribute to our understanding of the health and living conditions of the population during this period. Further research is needed to explore the factors that contributed to the high prevalence of rickets in early modern London.

For more information on the historical context of rickets in early modern London, see the references provided in the study.