

# Evaluation of the golden proportion in natural dentition: A systematic review and meta-analysis

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## Abstract

Beauty and asymmetry are side by side of each other in everything such as a beautiful smile. There are many proportion for teeth width reatio, but Golden proportion is the most used proportion. The prevalence of golden proportion has been discussed in many race and population but never a meta-analysis has been taken place. The objectives of this systematic review were to investigate the existence and suitability of Golden proportion, and to assess the prevalence of golden proportion among populations. A systematic search was based on the PICO and PRISMA guideline and the electronic search was conducted using Pubmed, Cochrane, Scopus, Web of Science and Embase in January of 2021 without any time limitations and identifying English- and non-English-language articles. Additional studies were identified by searching reference lists of the articles identified. Eligible studies were selected based on the inclusion criteria, and quality assessments were conducted. Descriptive statistics were applied for a number of outcome measures. Using a meta-analysis software program, data extracted from each selected study were statistically combined using by weighted mean differences, 95% confidence intervals, and heterogeneity were calculated for each measurement. The search study resulted in a total of 566 articles were found based on the keyword, after going through the articles based on the inclusion and exclusion criteria, we only included 6 articles for the meta analysis. The outcomes of the review and analyses demonstrates that ,There was no sign of existence of golden proportion in natural smiles and the Golden proportion in dentistry represent as a myth not fact , However, the golden percentage theory can be applied if percentages are modified , and taking into consideration in the critical aspect of esthetic dentistry .

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## Biography

Mahmood Dashti completed his DDS degree at age of 27 from Shahid Beheshti university of medical sciences, he's main focus of thesis was on the teeth proportions and the

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