THE CORRELATION BETWEEN IOTN AESTHETIC COMPONENT, KNOWLEDGE OF MALOCCLUSION, AND DEMAND OF ORTHODONTIC TREATMENT

ABSTRACT

Background: The aim of orthodontic treatment is to achieve the best dentition contact relation (centric occlusion) with good facial aesthetic and to get a pleasant dental and facial looked with good function. Nowadays, many people are seeking orthodontic treatment to fulfill their need. They look for a good teeth arrangement so it will be more aesthetically favorable. But not all of people with malocclusion seek for orthodontic treatment. Some of them don't realize that they have orthodontic problem, and some other feel they need orthodontic treatment but they can't afford it.

Purpose: The purpose of this research is to study the correlation between knowledge of malocclusion, demand of orthodontic treatment, and aesthetic component from IOTN.

Methods: 107 college student of Faculty of Dentistry Airlangga University were used as sample. Then they divided into two groups, 1st and 7th semester students. Both of the groups were given questionnaire about their knowledge of malocclusion and demand of orthodontic treatment. Then, they were asked to examine themselves using AC IOTN (aesthetic component IOTN), then researcher and orthodontist examine them.

Result: There is a significant difference on knowledge of malocclusion between both groups, no significant difference on demand of orthodontic treatment between both groups, and no correlation between demand and AC IOTN in both groups. There is a significant difference in AC IOTN score examined by respondent, researcher and orthodontist.

Conclusion: The knowledge of malocclusion and demand of orthodontic treatment varies in both groups. No correlation between demand and aesthetic component from IOTN.

Keywords: malocclusion, demand, orthodontic treatment, IOTN aesthetic component