

شبكة المعلومات الجامعية







شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



شبكة المعلومات الجامعية

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CORRELATION BETWEEN CLASS II MALOCCLUSION AND CRANIOFACIAL DIMENSIONS



Thesis

Submitted to the Faculty of Oral and Dental Medicine, Cairo University, in Partial Fulfillment of the Requirements for the Master Degree in

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By

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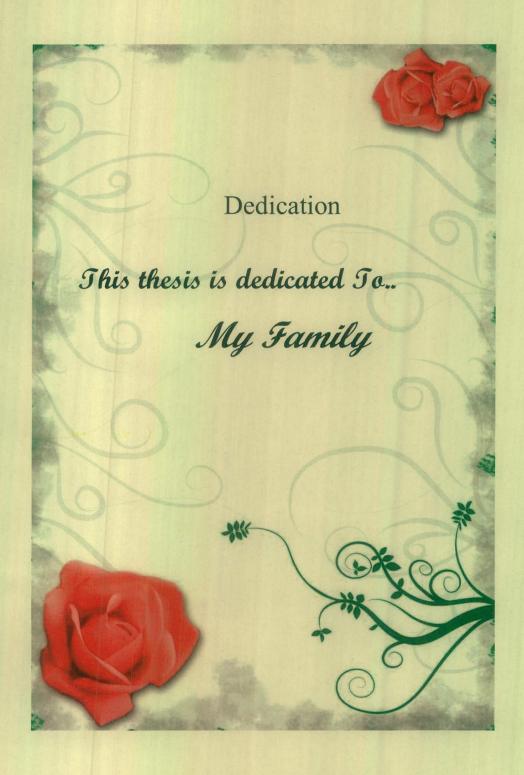
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ABSTRACT

Correlation of Class II malocclusion with craniofacial dimensions may be important to give more lights on the nature of this malocclusion. The aim of this study was to find out the possible correlations between Class II malocclusion and craniofacial dimensions. The sample included thirty subjects ranging in age from 18-25 years with mean age (19.9±1.13), having Class II malocclusions, fifteen having Class II division 1 malocclusion and fifteen having Class II division 2 malocclusion and compared with normative data^{1,2,20} and with each other. Lateral and Posteroanterior cephalometric X-ray films were taken. Selected fifty one angular and linear measurements were carried out using SPSS program (statistical package for scientific studies). Coefficient of correlation between dentoskeletal and soft tissue measurements of Class II division1 malocclusion and Class II division 2 malocclusion was done. It was concluded that Class II division 1 malocclusion group showed higher values than normal in maxillary depth and width, while Class II division 2 malocclusion groups showed higher values than normal in maxillary width. A high correlation was found between various skeletal, dental and soft tissues parameters used in this study.

KEY WORDS: Class II malocclusion, Craniofacial dimensions

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