

The Evaluation of Using Space Maintainer Combination Double Tube and Space Regainer Combination Expansion Screw in The Paediatric Patient in RSGM UMY

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ABSTRACT

Space maintainer combination double tube is an appliance that used to maintain the space because of premature loss, while space regainer combination expansion screw is an appliance that used to regain the space that loss caused by titling of tooth because of premature loss.

The aim of this study to give a feedback and evaluation of using space maintainer combination double tube and space regainer combination expansion screw in dental hospital Universitas Muhammadiyah Yogyakarta. Kind of this study is non experimental study and the method is qualitative research. The data collect by using secondary data from medical record. Sample of this study is 36 datas for space maintainer combination double tube and 10 datas for space regainer combination expansion screw.

Statistically analyze by using pair t-test and the result is there are significant increasing of size in intermolar $p=0,00$ ($p<0,05$) and tube tensile width $0,00$ ($p<0,05$) for space maintainer combination double tube, while there is no increasing size of tooth space because the function of space maintainer itself is to maintain the space $0,711$ ($p>0,05$). The result for space regainer combination expansion screw is there are significant increasing of size in intermolar $0,015$ ($p<0,05$), intercanina $0,002$ ($p<0,05$), tube tensile width $0,005$ ($p<0,05$) and tooth space $0,04$ ($p<0,05$)

Keyword : space maintainer combination double tube,space regainer combination expansion screw, tube tensile width.

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