

24th International Conference on Dental Education

March 18-19, 2019 | Paris, France

Analysis of the height/width ratio of peri-implant soft tissues in different types of implant connections and oral sectors

Modern implantology has been focused on the peri-implant mucosa maturation patterns, with particular attention on the frontal area, aiming to obtain a functional and aesthetic optimal result. The study analyzed 294 implants, in order to obtain a tridimensional model; the measurements were done with digital 3D technology at one year from the provisional crown placement. All the recorded data were analyzed with Test Pearson 2-Tailed (95% confidence range) by IBM. For the research we measured the width of the peri-implant mucosa, calculated from the implant connection to the buccal mucosa surface on a line perpendicular to the main implant axis. For the height of the peri-implant tissues, we considered as well, the same geometrical line as the apical point of the measure to calculate the perpendicular distance to the most coronal gingival point. The purpose of the following study is to give the guidelines for a correct implant positioning respecting the biological rules, in addition, it analyzes the height/width ratio of the peri-implant buccal tissues between different type of connections and comparing different areas in the oral cavity. The present research compares the ratio between the height/width of the peri-implant mucosa considering the variables of the residual buccal bone and the difference in six implant brand, finding some important relations.

Biography

Cristian Scognamiglio has completed his degree in Dentistry and Oral Surgery at the University of Insubria (Varese-Italy). He is an international speaker providing lectures on surgery topics and organizes practical workshops (regarding Suture Techniques and Implant Positioning). He is an author of different scientific papers published on international editorials and congresses. In 2018, thanks to one of his studies, he won the prize as the Best Scientific Research in Oral Surgery issued by the Italian Society of Periodontology and Implantology.

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