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PhD in Dentistry  
2018-2019

INVITATION to the Public defence of

## **Faris YOUNES**

To obtain the academic degree of '**DOCTOR OF DENTISTRY**'

## **IMPLANT REHABILITATION OF THE POSTERIOR MAXILLA**

**Thursday, 5 September 2019 at 5:30 p.m.**

In Auditorium **Vanden Driessche**

Faculty of Medicine and Pharmacy, Laarbeeklaan 103, 1090 Brussel

How to reach the campus Jette:

<http://www.vub.ac.be/english/infoabout/campuses>

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## Summary of the dissertation

Implant rehabilitation of the posterior maxilla has become a standard treatment in contemporary dentistry. However, in cases of extreme maxillary atrophy, bone augmentation by means of a lateral wall sinus floor augmentation prior to implant placement is necessary. Several graft materials are available, however, data regarding the long term stability of these grafts are scarce. Therefore, the first goal of this thesis was to evaluate the vertical and volumetric resorption of a bovine bone xenograft after sinus lifting. Other goals related to the implant survival and patient-reported outcome measures after this type of treatment.

A second part of the thesis relates to implant surgery itself, more specifically to the accuracy of implant placement. As the implant location is of the utmost importance in the prevention of aesthetic, biological or technical complications, the next objective was to evaluate 3 different surgery protocols in terms of accuracy: free-handed surgery, pilot-drill guided surgery and fully-guided surgery. Finally, a cost-effectiveness analysis was performed based on the accuracy.

## Curriculum Vitae

Faris Younes graduated as a dentist in 2010 at Ghent University and as a periodontist in 2013 at the same university. Since, he has been working in several private practices in Antwerp, Ghent and Aalter and has recently founded his own practice for periodontology and oral implantology in Roeselare. Besides his clinical work, he has started a position in 2014 as a PhD candidate at the VUB and from 2018 was appointed resident staff member at the department of periodontology and implantology at Ghent University.