

International Conference on

# Restorative & Alternative Medicine

October 24-25, 2016 Chicago, USA

## Behavior of alveolar and peri-implantar bone affected by osteoporosis and its treatment

Leonardo Faverani<sup>1</sup> and Roberta Okamoto<sup>1</sup><sup>1</sup>Sao Paulo State University, Brazil

Osteoporosis is one of the systemic changes that is of worldwide public health concern, characterized by a decreased bone mass and a deterioration of bone microstructure. Several drugs have been used to osteoporosis treatment with the main goal to increase the bone mineral density and decrease the bone fractures. In dentistry, one of the determining factors for the proper dental implants osseointegration is the quality of bone tissue which is impaired in this situation. Therefore, we aim in this presentation to show the behavior of alveolar bone and peri-implantar bone affected by osteoporosis and its treatment through in vivo studies. In the beginning, we will show the alveolar bone in homeostasis situation and then we will discuss some of our studies about alveolar and peri-implantar bone healing in osteoporotic rats treated with different drugs such as estrogen replacement, biphosphonates, selective estrogen receptor modulators and other current medications indicated to treatment of female and male osteoporosis. Our results will be presented through histology, histometric, immunohistochemistry, microtomographic, fluorochromes and molecular analysis, leading to clinical responses.

### Biography

Leonardo Faverani has completed his PhD in Oral and Maxillofacial Surgery in 2013 and currently he is pursuing his Post-doctoral in Oral and Maxillofacial Surgery and Implantology from Sao Paulo State University-UNESP Aracatuba Dental School. He has published more than 80 papers in reputed journals.

Roberta Okamoto is an Associate Professor of Anatomy and is the Post-graduate Coordinator at Sao Paulo State University -UNESP Aracatuba Dental School. She has more than 67 papers in reputed journals.

leobucomaxilo@gmail.com  
roberta@foa.unesp.br

Notes: