

Friday, March 3, 8h45

Title of the session: **Orthodontic treatment in stage IV periodontitis**



Moderator: **Dr Michèle Reners** (her CV can be found under her profile in the app)

Abstract

Patients with severe periodontitis often present tooth malposition and malocclusion that are difficult and complex to treat and rehabilitate. The periodontal disease when treated by the periodontist will only be stabilized for a long term if the mechanical aspect of the occlusion is recovered. Some severe cases can be defined as an “eating disorder” as it is uncomfortable even impossible to eat and masticate correctly. It is a medical need to rehabilitate those patients with the best therapies available. The speakers will explain how we can manage such a severe situation together with the periodontist and the orthodontist.



Firstly **Gil Alcoforado** (his CV can be found under his profile in the app), periodontist in Portugal, will explain how we can manage severe periodontal cases avoiding numerous extractions and achieving a functional and aesthetic long-term result. The treatment of periodontal disease can sometimes lead to a bad esthetic result with spaces between teeth. The high esthetic demand of the patients today requires to a good collaboration between the periodontist and the orthodontist to achieve a good result. He will also speak about the gingival recessions management.



The couple **Mariano and Conchita Sanz-Martin** (respectively periodontist and orthodontist; CVs to be found in their provides in the app) from Spain, will then review the biological bases of orthodontic

movements in teeth with healthy but reduced periodontium and will discuss on the interdisciplinary diagnosis and treatment planning as well as the treatment sequence and follow up of both perio and orthodontic components. Demonstrative cases will be presented and clear guidelines will be provided from both the periodontal and orthodontic perspectives.



Finally, **Andrea Rocuzzo** (his CV can be found under his profile in the app) coming from Italy, will present a clinical case illustrating a patient affected by Periodontitis stage IV grade C, with a detailed step by step explanation of a comprehensive combined ortho-perio with the use of dental implants.

Aims:

1. To know how and when it is recommended to treat with orthodontic treatment the Stage IV periodontitis to perform a long-term result
2. To organize an interdisciplinary diagnosis and treatment planning including the treatment sequence and follow up of both perio and orthodontic components
3. To rehabilitate patients with severe periodontitis including periodontal, orthodontic and implant treatments.

Key points to remember

1. Practitioners have now a tool that can help them to plan complex cases like in the treatment of patients with stage IV of periodontitis. The Clinical Practice Guidelines have been recently developed and published by the European Federation of Periodontology
2. A reduced periodontium (loss of bone or recessions) showing no deep pocket depth and no bleeding on probing can support an orthodontic treatment if a supportive periodontal care is followed.
3. In case of stage IV periodontitis, multidisciplinary treatments are needed. The purpose of the dental treatment plan is to rehabilitate the patient with prosthesis on well positioned teeth.
4. Of course, any patients with healthy periodontium should show a good plaque control before to start any treatment (perio, ortho or dental implants)