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PENTOXIFYLLINE, TOCOPHEROL AND CLODRONATE COMBINATION FOR THE PREVENTION AND TREATMENT OF OSTEORADIONECROSIS OF THE JAWS

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Osteoradionecrosis (ORN) of the jaw is a severe complication of radiotherapy for head and neck cancer. It's defined as an exposure of a necrotic bone that failed to heal within a period of 6 weeks. This condition can lead to severe morbidity and definitely affects the quality of life of the patient. Over the last decades, several therapeutic options were considered in the treatment of the ORN, including hyperbaric oxygen, antibiotics, steroids and surgical resection with reconstruction. But none of them was considered to be efficient. Recently a new treatment based on the theory of the radio-induced fibrosis has emerged. A combination of Pentoxifylline-tocopherol and clodronate (PENTOCLO protocole) has proven efficacy in the prevention and/or the treatment of ORN of the jaws. The objective of this presentation is to update the recommendations of the use of the Pentoclo combination as a treatment modality in both prevention and treatment of ORN of the jaws. We will be discussing the prescription modalities via three cases reports in which patients with different stages of ORN of the jaws were treated successfully using the pentoclo protocole. In the second part of the presentation, we will discuss the results of our systematic review of the literature (2018) in which the efficacy and the tolerance of this protocole were reviewed.

BIOGRAPHY

Dorsaf Touil was graduated from the Dental Faculty of Monastir Tunisia, in 2013. She is specialist in Oral Medicine and Oral Surgery. She is an Assistant Professor in the Department of Dentistry in University Hospital Sahloul from April 2015. She is the Founding Member of the Tunisian Association of the specialists in Oral Surgery and Oral Medicine and Association Tunisienne des Médecins Dentistes Spécialistes en Médecine et Chirurgie Buccales. She is also author and co-Author of many scientific publications in French and English. She has participated as speaker in many international scientific events during 2016-2018.

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