

# Laser, Optics and Photonics

August 23-24, 2018 | Paris, France

## Efficacy of low-level laser therapy in the management of Bisphosphonate-related osteonecrosis of the jaw

**Renata Stifelman Camilotti, John Baptist Blessmann Weber and Juliana Jasper**  
Hospital Moinhos de Vento, Brazil


**B**isphosphonates are being increasingly used for the treatment of metabolic and oncological pathologies involving the skeletal system. Because of the severity of the Bisphosphonates associated osteonecrosis of the jaws, the difficulties of treatment, and patient discomfort, additional support methods for their management are needed. Laser therapy has an easy handling, photo biostimulator effect on tissues healing, so it can be considered a preferred therapy. The primary objective of the treatment should be to improve patient quality of life through pain and infection management, prevent the development of new lesions, and slow disease progression. In recent years, the use of laser for bisphosphonate-related osteonecrosis of the jaw has become more widespread, due to its use of administration and widely reported beneficial effects on tissue healing. The video present a

systematic review of the literature sought to elucidate whether Low Level Laser Therapy has positive effects in the treatment of bisphosphonate-related osteonecrosis of the jaw and a study that evaluate the influence of low- level laser therapy in the 685nm and 830nm wavelength in the healing process of the bone and soft tissues in rats under Bisphosphonate therapy zoledronic acid and dexamethasone concomitantly that underwent a surgery for the extraction of upper molars.

### Speaker Biography

Renata Stifelman Camilotti has completed her Master at the age of 31 years from Pontifical Catholic University of Rio Grande do Sul (PUCRS), Brazil. She is maxilla facial surgeon and works with laser therapy in Hospital Moinhos de Vento in Porto Alegre, Brazil. She has some publications that have been cited.

e: [renatacamilotti@hotmail.com](mailto:renatacamilotti@hotmail.com)

 Notes: