Laser photobiomodulation Therapy (PBMT) is no longer a promising therapeutic tool, but it has become one important advance in the medical and dental care. The benefits associated to PBMT include analgesia, improvement of wound healing process and anti-inflammatory effects. Basic and clinical outcomes indicate its use for the prevention and treatment of oral mucositis, postoperative tissue recovery, acute and chronic pain, skin wound healing, as well as for salivary gland hypofunction. In addition, when a specific light wavelength is associated with a photosensitizer and oxygen, the so-called antimicrobial photodynamic therapy; it may present antimicrobial effect, being indicated to treat infected oral lesions.