

# To evaluate the action of adapt as an adjuvant in the endodontic treatment of teeth with apical periodontitis and the presence of fistula

Carolina Wince González <sup>1</sup>,  0000-0003-3942-7143

Renato Araujo Prates <sup>2</sup>,  0000-0002-8115-9237

DOI: 10.22592/ode2023nesp1e588



## Resume

**Objetives.** To evaluate the action of aPDT as an adjuvant in the endodontic treatment of teeth with apical periodontitis and the presence of fistula.

**Methods.** 30 patients will be selected and randomly divided into two experimental groups: Group 1: Mechanized endodontic treatment and medication with CAO<sub>2</sub>H (calcium hydroxide) between sessions. This medicine is the most used in all conventional endodontic treatments. Group 2: Mechanized endodontic treatment with CAO<sub>2</sub>H medication (calcium hydroxide) after the application of photodynamic therapy with methylene blue. Methylene blue is a substance that has many studies that demonstrate its effectiveness in the oral cavity and its active principle is already used in endodontic treatments.

The evaluation will be carried out 15 days after treatment to verify the healing of the fistula and subsequent obturation of the ducts, and a photograph and x-ray will be taken.

Then a control will be carried out at 30 days to compare these same data again and to be able to evaluate if there was a decrease in the radiographic lesion.

**Expected results.** We hope to achieve better resolution of the fistula using photodynamic therapy as an adjuvant during treatment than with conventional treatment alone.

**Key words.** Periodontitis, Fistula, Endodontic Treatment, Photodynamic Therapy, Methylene Blue.

1. Odontología, Facultad de ciencias de la salud, Universidad Católica del Uruguay.

2. Universidad Nove de Julho, Consejo de Salud - Odontología.

Autor de correspondencia: caritowince@gmail.com

XVIII Reunión Anual de la Sociedad Uruguaya de Investigación Odontológica