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Authors: Federica Fonzar MD, DDS, Leopoldo Forner MD, DDS, PhD, Riccardo Fabian-Fonzar DDS, PhD, Carmen Llena MD, DDS, PhD

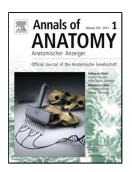
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### ACCEPTED MANUSCRIPT

# INDUCED POST-TRAUMATIC APEXIFICATION: 20 YEAR FOLLOW-UP AND MORPHOLOGICAL STUDY AFTER NEW FRACTURE

Federica Fonzar, MD, DDS.<sup>a</sup>

Leopoldo Forner, MD, DDS, PhD.<sup>b</sup>

Riccardo, Fabian-Fonzar, DDS, PhD. <sup>a</sup>

Carmen Llena, MD, DDS, PhD.<sup>b</sup>

<sup>a</sup> Private practice. Udine (Italy).

Studio Fonzar. Strada dei Tigli, 54. 33030 Campoformido, UD (Italy).

E-mail. Federica Fonzar: federica.fonzar@gmail.com; Riccardo Fonzar: riccardofabianfonzar@gmail.com

<sup>b</sup> Professor. Department of Stomatology. Universitat de València (Spain).

Clínica Odontológica. Calle Gascó Oliag, 1. 46010 Valencia (Spain).

E-mail. Leopoldo Forner: forner@uv.es; Carmen Llena: llena@uv.es

Adress for correspondence:

Prof. Forner

Clínica Odontológica. Universitat de València

C. Gascó Oliag, 1

46010 Valencia (Spain)

E-mail: forner@uv.es

#### ABSTRACT.

Apexification is an endodontic technique used in immature necrotic teeth, the primary goal of which is to induce a calcified barrier in roots with open apices and to promote the continuation of apical root development. A 7-year-old patient with a coronal fracture in a maxillary central incisor was treated with an apexification technique using calcium hydroxide. The apical closure was obtained after one year, then a permanent root canal filling was performed. The tooth was monitored for a period of 20 years, up to when a trauma caused its extraction. The newly formed root was analyzed macroscopically, histologically and through scanning electron

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