

## Effect of Eddy Irrigant Activation on Cleanliness of the Root Canal Wall during Pulpectomy of Primary Teeth

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**Abstract :** Pulpectomy of primary teeth aims to remove the necrotic pulp tissue from the infected root canal and clean the root canal walls from any remnant of pulp tissue. Different irrigant activation systems have been recently used, and one of these devices is the Eddy which helps in removal of smear layer and improves the intimate contact between the filling material and the root canal wall. Aim: To evaluate the efficacy of Eddy in cleanliness of the root canal during pulpectomy of primary teeth. Materials and methods: 45 freshly extracted primary anterior teeth were divided into 3 equal groups, in the 1st group sodium hypochlorite only was used during pulpectomy, in the 2nd group irrigation using sodium hypochlorite with file agitation was performed and in the 3rd group sodium hypochlorite was used with Eddy for irrigant activation. All samples were sectioned longitudinally and scanned using scanning electron microscope to evaluate the cleanliness of the root canals. Results: It was found that Eddy showed high efficacy in removal of smear layer during pulpectomy of primary teeth.

**Keywords :** Eddy, irrigant activation, irrigation, pulpectomy

**Conference Title :** ICCDOE 2021 : International Conference on Cosmetic Dentistry, Odontology and Endodontics

**Conference Location :** Tokyo, Japan

**Conference Dates :** September 09-10, 2021