

# **A Comparative Study of Electrofulguration and Formocresol Pulpotomy Techniques in Primary Teeth**

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## **Abstract**

While the formocresol pulpotomy has enjoyed long-term clinical use and success, concerns over its toxicity and mutagenicity have prompted research into other pulpotomy techniques. The purpose of this study was to prospectively compare electrofulguration pulpotomies versus formocresol pulpotomies in children vital primary molar teeth. Electrofulguration and formocresol pulpotomies were completed on 40 primary molars in 20 children, aged 4 to 8 years. Each child had one molar treated by electrofulguration pulpotomy and another molar by formocresol pulpotomy. Teeth were evaluated clinically and radiologically after 1, 3, and 6 months. After 6 months postoperative observation time, the clinical and radiographic success rates for the electrofulguration group were 95% and 85%, respectively, and for the formocresol group, 100% and 90%, respectively. There was no statistically significant difference between the two groups, either clinically or radiographically.