



Dual Rinse® HEDP – Scientific Overview

September 2025

- **Levels after Calcium Hydroxide Placement in Root Canals Irrigated with Continuous or Sequential Chelation in Previously Treated Teeth with Symptomatic Apical Periodontitis: A Randomized Controlled Clinical Trial.**
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- **Effect of Root Dentin Conditioning on the Pushout Bond Strength of Biodentine.**
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- **Dislodgement resistance and structural changes of tricalcium silicate–based cements after exposure to different chelating agents.**

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- **Flexural strength and microhardness of human radicular dentin sticks after conditioning with different endodontic chelating agents.**

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- **Safety assessment of an etidronate in a sodium hypochlorite solution: randomized double blind trial.**

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- Effect of continuous chelation on the dentinal tubule penetration of a calcium silicate–based root canal sealer: a confocal laser microscopy study.

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- Impact of Final Irrigation Protocol on the Push-Out Bond Strength of Two Types of Endodontic Sealers.

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- **Effect of Irrigation Solution Temperature on Bioceramic Sealer Bond Strength.**
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- **Effect of Sodium Hypochlorite Concentration in Continuous Chelation on Dislodgement Resistance of an Epoxy Resin and Hydraulic Calcium Silicate Sealer.**
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- **Influence of Various Irrigation Protocols on the Push-Out Bond Strength of TotalFill and AH Plus Bioceramic Sealers to Root Dentin: A Comparative In Vitro Study.**
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