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Supplementary file 1

Table S1. Cohen kappa statistics data

STUDY NAME	YEAR	RATER 1	RATER 2
Randomized **clinical** trial **of pulpotomy using a premixed injectable calcium silicate cement on mature permanent teeth with reversible pulpitis.**	2024	Exclude	Exclude
Efficacy of different calcium silicate materials as pulp-capping agents: Randomized **clinical** trial	2021	Include	Include
A comparative evaluation of light cure calcium silicate and resin-modified glass ionomer as indirect pulp capping agent in primary molars: A randomized clinical trial	2023	Exclude	Exclude
Combination effects of diode laser and resin-modified tricalcium silicate on direct pulp capping treatment of caries exposures in permanent teeth: a randomized clinical trial	2020	Exclude	Exclude
Clinical and microbiological evaluation of calcium silicate versus calcium hydroxide in two-step indirect pulp treatment: A randomized clinical trial	2021	Exclude	Exclude
Clinical influencing factors of vital pulp therapy on pulpitis permanent teeth with 2 calcium silicate-based materials: A randomized clinical trial	2024	Include	Include
Comparative evaluation of indirect pulp therapy in young permanent teeth using biodentine and theracal: a randomized clinical trial	2021	Include	Include
Comparative Evaluation of Resin-modified Glass Ionomer Cement,	2021	Include	Exclude

Mineral Trioxide Aggregate, and Calcium Hydroxide When Used as a Direct Pulp Capping Material on Carious Pulp Exposures of Human Permanent Teeth: A Randomized Clinical Trial			
Comparative assessment of titanium-prepared platelet-rich fibrin, EndoSequence root repair material, and calcium hydroxide as pulpotomy agents in permanent teeth with irreversible pulpitis: A randomized controlled trial	2021	Exclude	Exclude
A randomized controlled trial of various MTA materials for partial pulpotomy in permanent teeth	2017	Exclude	Exclude
Dental pulp response to different types of calcium-based materials applied in deep carious lesion treatment—A clinical study	2022	Include	Include
Effectiveness of TheraCal LC versus MTA in Vital Pulp Therapy of Cariously-Exposed Young Permanent Molars: Five-Year Follow up of a Randomised Clinical Trial	2024	Include	Include

CONTINGENCY TABLE

Table S2: Contingency table

	Rater 2: Include	Rater 2: Exclude	Row Totals
Rater 1: Include	5	1	6
Rater 1: Exclude	0	6	6
Column totals	4	8	12

Observed Agreement (Po) = Agreed Count / Total count = 5+6 / 12 = 11/12 = 0.91

Expected Agreement (Pe):

Probability that both rate include = 5/12 * 7/12 = 0.23

Probability that both rate exclude = 6/12 * 6/12 = 0.25

Pe = 0.23 + 0.25 = 0.48

Cohen's kappa = Po−P/1- Pe = 0.91 – 0.48 / 1 – 0.48

= 0.82 (Almost perfect or strong agreement)