

# Remineralizing Effect of Different Silver-containing Agents on Initial Caries Lesions in Primary Teeth in Children

NCT06489093

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<b>Status</b>	RECRUITING
<b>Phase</b>	Early Phase 1
<b>Sponsor</b>	Plovdiv Medical University
<b>Enrollment</b>	30 participants

## Key Eligibility Criteria

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### Inclusion (6)

- Age: 3 - 8 years
- Signed informed consent from parents to participate in the study. Verbal consent from the child for the upcoming manipulations.
- Enrolled patients do not have any common diseases or conditions associated with decreased salivation and are not taking medications that suppress salivary flow. Study participants have no cognitive or behavioral impairment. The absence of disease will be confirmed by a history-taking interview with the parent.
- Presence of incipient carious lesions (white spots) reaching the enamel interior, assessed with ICDAS system values 01 (first visible enamel change) and 02 (localized visible enamel change) and laser fluorescence values up to 20. The diagnostic threshold of the included lesions is defined as D1 A (active enamel lesion visible after drying) or D2 A (active enamel lesion visible without drying). Criteria for active lesions: under plaque, loss of gloss, loss of smoothness, diffuse borders of the lesion, opaque appearance, white colour, at pre-selection sites (in the cervical third of the enamel). The lesions are located on tooth surfaces with no preceding obturations.
- Study participants had not performed remineralization or topical fluoride therapy on the included lesions within six months prior to study inclusion.

... and 1 more (see full listing online)

### Exclusion (3)

- Children who are considered medically compromised or medically complex patients. The presence of a medical condition is confirmed by a history interview with the child's parent or guardian and involves common diseases or conditions associated with decreased salivation and intake of medications that suppress salivary flow, cognitive and behavioral disorders.
- Patients who underwent remineralizing or topical fluoride therapy to the included lesions in the last six months prior to study inclusion.
- Patients with a history of allergy to the administered medication.

## Locations (1 total)

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<https://clinicaltrials.gov/study/NCT06489093>

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