

Diagnostic Performance and Children's Acceptance of Near-Infrared Light Transillumination and Bitewing Radiographs for Detecting Proximal Cavitation in Primary Molars of Patients Aged 4 to 10 Years

NCT07041164

Status RECRUITING
Sponsor Sawanya Prutthithaworn
Enrollment 174 participants

Key Eligibility Criteria

Inclusion (4)

- Healthy Children aged 4-10 years
- Low risk for periodontal disease
- At least one quadrant contains fully erupted, well-aligned adjacent primary molars that are free of restorations, exhibit no clinically visible cavitated caries, demonstrate tooth mobility of grade 2 or less, show no developmental dental anomalies
- Bitewing radiographs show at least one radiolucent lesion in the proximal surface of a primary molar classified as RA2 or RA3 according to the ICDAS II radiographic criteria

Exclusion (2)

- Root resorption exceeding two-thirds of the root length
- Demonstrate Frankl's behavior rating scale of 1 during either near-infrared light transillumination examination or tooth separation

Locations (2 total)

Dental Hospital, Faculty of Dentistry, Mahidol University (Phayathai Campus), Bangkok, Thailand
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