

# Minimal Invasive Dentistry: Foundational Articles and Recommendations

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## Background

Minimal invasive dentistry focuses on caries arrest procedures rather than surgical intervention. The strategies for minimal invasive dentistry include: early caries detection and caries risk assessment,

remineralization of demineralized enamel and dentin, optimal caries preventive measures, minimally invasive surgical interventions, and repair rather than replacement of restorations.

## IAPD Recommendations

**1.** Minimal invasive dentistry should be complemented by preventive measures for caries arrest that include topical fluoride exposure, and placement of pit and fissure sealants.

Evidence-based recommendation › Global agreement N/A

**2.** The use of silver diamine fluoride (SDF) is effective in arresting cavitated caries lesions.

Evidence-based recommendation › Global agreement N/A

**3.** Minimally invasive approaches such as infiltration

methods are effective in the management of non-cavitated approximal dentinal lesions.

Consensus-based recommendation › Global agreement 82%

**4.** When necessary, surgical interventions should emphasize minimal cavity designs, conservative removal of carious dentin approximating the pulp, and adhesive restorative materials to restore form and function.

Consensus-based recommendation › Global agreement 78%