



KEY WORDS

- ✓ autism spectrum disorder (ASD),
- ✓ video modeling,
- ✓ peer video modeling,
- ✓ oral health,
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THE EFFECT OF PEER VIDEO MODELING AND 3D JAW VIDEO MODELING TRAINING ON ORAL HEALTH AND TOOTHBRUSHING SKILLS IN CHILDREN WITH AUTISM

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THESIS ABSTRACT

The aim of this study was to improve oral hygiene habits in children with autism spectrum disorder (ASD) and to compare the effectiveness of peer video modeling and 3D jaw video modeling methods. The research was conducted with a randomized controlled experimental design involving 120 children aged 6 to 12 years. According to the results, the plaque index significantly decreased in the peer video modeling group ($p<0.05$), and a notable improvement in tooth brushing skills was observed. Furthermore, long-term evaluation revealed that peer video modeling had a lasting effect, and this effect was found to be statistically more significant ($p<0.01$).

APPLICATION AREAS OF THE THESIS RESULTS

The results of this study indicate that technology-based video modeling methods can be used as an effective intervention to improve oral hygiene in children with autism. In particular, peer video modeling may help children acquire tooth brushing habits more easily and maintain long-term oral health. Based on the findings, pediatric nurses may integrate video-based educational materials into individualized care plans and provide guidance to families. Additionally, healthcare institutions may incorporate these approaches into clinical protocols to make oral health services more accessible and effective for children with autism.

ACADEMIC ACTIVITIES

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