



CONFERENCE DIALOGUE



Richmond Hill College

# The Role of Oral Health in Preventing Systemic Diseases

Bridging Dentistry and Nursing Practice

Dr. Motahareh Fataei, DMD Advancing Nursing and Healthcare

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# About the Presenter



## Dr. Motahareh Fataei, DMD

Director of Education and Development Elm Motahhar Salamat Educational Institute, Tehran, Iran

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DMD from I.M. Sechenov First Moscow State Medical University (2023).

Practices dentistry while training students in dental assistant, medical assistant, pharmacy assistant, and nursing support programs.

Brings multidisciplinary perspective to healthcare education and international collaboration.



# The Critical Connection



## Cardiovascular Disease

Poor oral hygiene linked to heart conditions and stroke risk



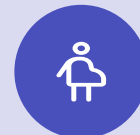
## Diabetes

Bidirectional relationship between oral health and blood sugar control



## Respiratory Infections

Oral bacteria can cause pneumonia and other lung diseases



## Pregnancy Outcomes

Maternal oral health affects birth weight and delivery timing

Research demonstrates strong links between oral hygiene and systemic health conditions, yet oral health remains siloed within dentistry.



# The Healthcare Gap

Nurses and healthcare professionals often lack training to integrate oral health screening into general care.

This gap compromises patient safety and preventive healthcare practices worldwide.



# Research Methodology

01

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## Literature Review

Analyzed peer -reviewed studies from 2015 -2024 on oral -  
systemic disease associations

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## Interdisciplinary Analysis

Examined preventive models in community and hospital  
environments

02

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## Clinical Observations

Integrated evidence from dental practice and patient care  
settings

04

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## Global Comparison

Assessed applicability across high -resource and low -  
resource countries

# Hospital Setting Results

## Early Detection

Oral health assessments in nursing protocols enhanced identification of systemic risk factors

## Reduced Pneumonia

Simple nursing interventions decreased hospital -acquired pneumonia incidence

## Improved Diabetic Outcomes

Routine oral screenings and hygiene education benefited diabetic patients





# Community Care Impact



## Key Findings

- Interdisciplinary collaboration between dentists and nurses increased patient compliance
- Preventive care engagement improved significantly
- Healthcare costs reduced through early intervention
- Patient satisfaction scores increased



# Training nurses in oral health competencies is essential

Evidence strongly supports embedding oral health indicators into patient safety frameworks and nursing education programs.



# The Path Forward



## Education

Train nurses in oral health competencies



## Collaboration

Bridge dentistry and nursing practice



## Policy Innovation

Integrate oral health into safety frameworks



## Global Health

Advance patient -centered care worldwide



# Conclusion

Oral health is an essential but underutilized component of holistic patient care.

## Cost - Effective Prevention

Integrated strategies improve systemic health outcomes

## Global Health Priority

Interdisciplinary collaboration advances patient -centered care

## Future of Healthcare

Education and policy innovation drive integrated practice