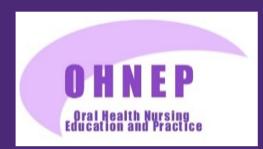
Improving Racial and Health Equity: Integrating Oral Health Innovations in Cancer, Diabetes & Childhood Tooth Decay

Judith Haber, PhD, APRN, FAAN Executive Director, Oral Health Nursing Education and Practice (OHNEP)

Jessamin Cipollina, MA

Program Coordinator, Oral Health Nursing Education and Practice (OHNEP)





Special Thanks:







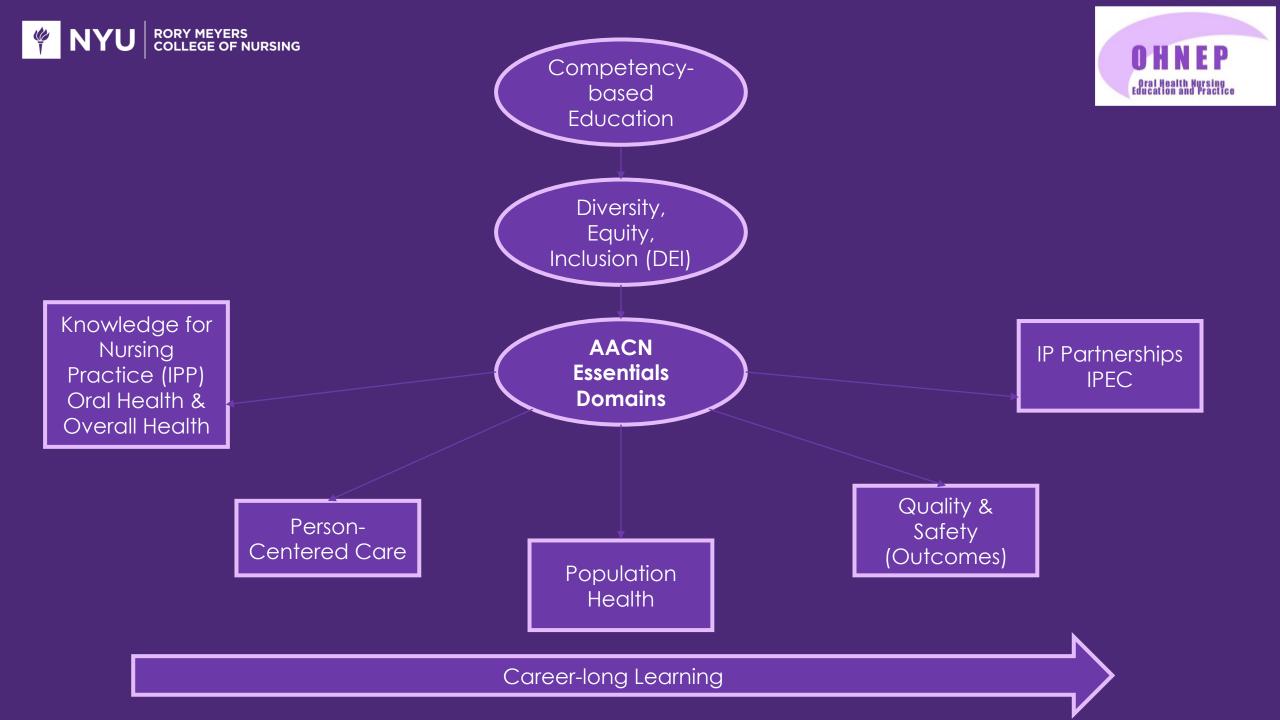
OHNEP Program Aims



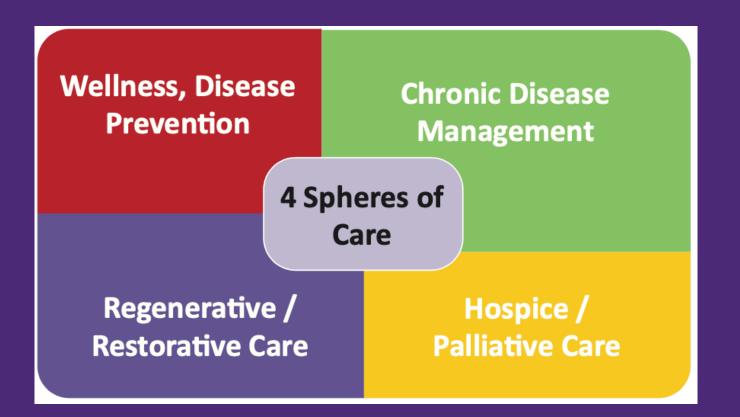
- Advance a national oral health agenda for the nursing profession
- Build interprofessional oral health workforce capacity
- Integrate oral-systemic health into undergraduate and graduate nursing programs nationwide.
 - Faculty development
 - Curriculum integration
 - Establishment of "Best Practices" in clinical settings













Management of Oral-Systemic Conditions Calls for an Interprofessional Team



- 4.2 million RNs
- 290,000 NPs
- 11,800 MWs
- 1 million MD/DO
- 115,000 PAs
- 200,000 DDS/DMD
- 185,000 dental hygienists
- 150 dental therapists





Why do we need the whole IP team?



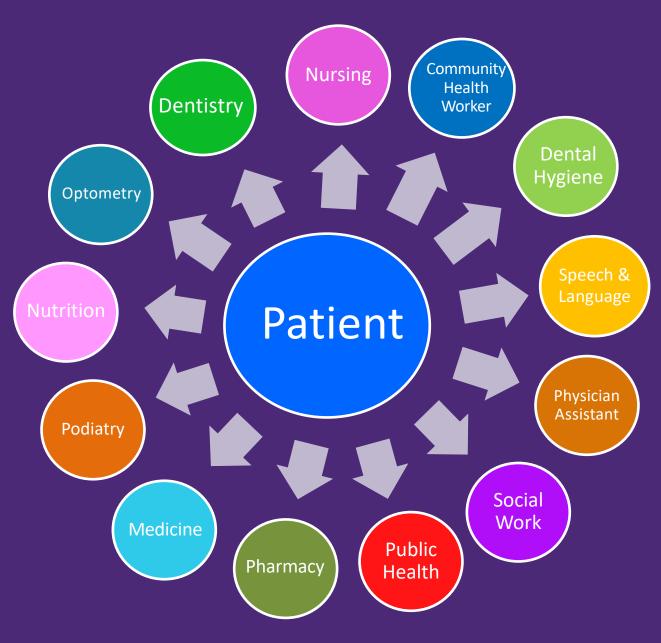
- 89 million patients seek urgent care per year
- 84% of adults have an annual medical visit
- 64% of adults have an annual dental checkup
- 85% of all U.S. children ages 2-17 in 2017 had an annual dental checkup
- Children have ≅ 12 pediatric well-child visits to their PCP by age 3



Images: Getty Images



Whole Person Care







Medical and Dental Teams Contribute to Improving Oral Health and Overall Health Outcomes



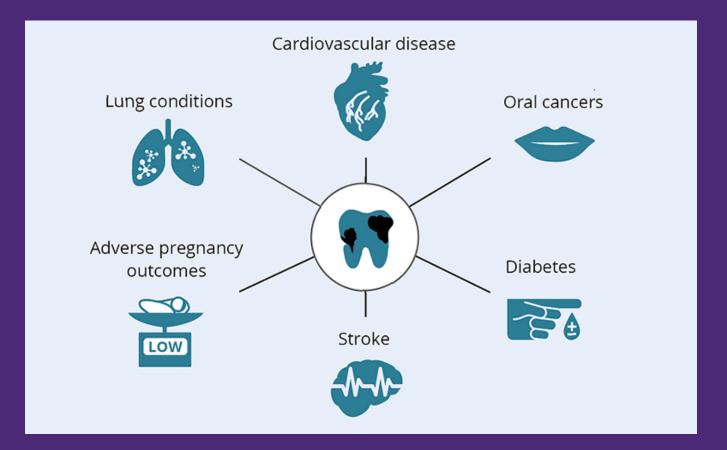
Prevention
Screening
Health Literacy
Counseling
Vaccination





Oral Health & Overall Health: The Oral-Systemic Connection



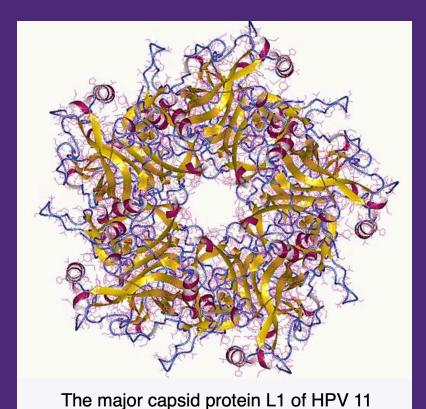




Cancer Facts



- In the US, there are 1.8 million cancer diagnoses each year
- National expenditures for cancer care \cong \$150 billion
- Approximately 53,000 oral cancer cases
- Causes: Human papillomavirus (HPV), tobacco use, alcohol use
- HPV is the leading cause of oropharyngeal carcinoma and a very small number of front of the mouth, oral cavity cancers
- HPV is thought to cause 70% of oral cancers in the U.S.
- White, non-smoking males age 35 to 55 are most at risk for oral cancer, 4 to 1 over females
- Regular oral cancer screenings can provide early detection of oral cancer, and early diagnosis can double chance of survival

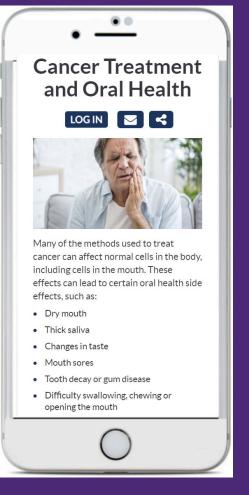




Collaborative Management of Oncology Patients



- All oncology patients, especially those with multiple co-morbidities having an oral-systemic connection, need to be referred to a usual source of dental care for dental assessment, treatment, and clearance prior to surgical and/or adjuvant therapy.
- Chief complaint of a dental problem presenting in a dental or primary care setting, like bleeding gums, adenitis, or sore in the oral cavity, may be the first potential assessment for a cancer diagnosis.
- Surgery, Chemotherapy, Radiation, bone-modifying agents (bisphosphonates) and Immunotherapy have multiple side effects that impact oral health and overall health.







Collaborative Management of Oncology Patients

Treatments target the cancer, but can also affect normal tissues including oral mucosa, facial bones, and teeth

Side Effects-

- Suppression of immune system \rightarrow risk of infection \rightarrow sepsis
- Mucositis/Candida
- Dysphagia
- Osteonecrosis
- Taste Disorders
- Xerostomia
- Tooth decay/abscesses
- Pain
- Anorexia
- Nausea









Collaborative Management of Oncology Patients



Collaborate to manage treatment-related symptoms-

- Use topical medications (Lidocaine, Fluconazole, Biotene Dry Mouth or Magic Mouthwash)
- Rinse mouth q. 4h & before and after meals with gentle mouth rinses- H₂O+1 tsp. salt+1 tsp. baking soda
- Diet Modifications choose soft moist foods at room temperature
- Hydrating fluids 8-12 cups of H₂O/day
- Brush with a soft tooth brush & fluoride toothpaste made with baking soda
- Referrals for dysphagia, anorexia, oral pain





- Changes in taste
- Mouth sores
- Tooth decay or gum disease
- Difficulty swallowing, chewing or opening the mouth

It Takes an *Interprofessional Team* to Promote Effective Cancer Care!



Tooth Decay, Trismus, Osteonecrosis	Dentist, Dental Hygienist, Medical Oncology Team (MD, NP, RN, PA)
Dysphagia, Taste & Smell Disorders	Speech & Language Therapist, Nutritionist, Psychologist
Burning Mouth Syndrome Xerostomia	Physician, Nurse, Nurse Practitioner, Pharmacist, Dentist, Dental Hygienist
Mucositis	Medical Oncology Team (MD, NP, RN, PA), Dentist, Dental Hygienist
Limited Hand Mobility	Physical & Occupational Therapists
Pain	Dentist, Pain Management Team
Periodontal Disease	Dentist, Dental Hygienist, Physician, Nurse Practitioner, Nurse, CDE, Social Worker



Oral Cancer Screening





- Nurses, nurse practitioners and nurse-midwives can perform oral cancer screening.
- Visual examination of all the soft tissues of the mouth, the tongue, and the lymph nodes surrounding the oral cavity and in the neck



HPV-related Cancer Prevention



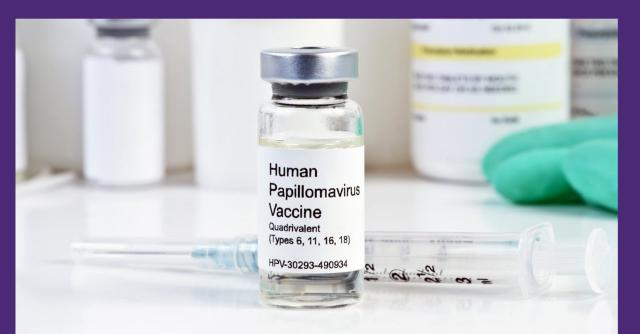


- Collaborate with dental and medical colleagues about a coordinated HPV prevention strategy
- Conduct patient and parent HPV education
- Discuss oral cancer prevention
 - o Vaccine
 - o Oral sex risk factors
 - O Use of condoms and dental dams









- Vaccine Recommendation
 - Gardasil protects against HPV16 associated with oral cancers
 - Girls and boys ages 9-14, 2 doses
 6-12 months apart (0, 6-12)
 - If started at age 15 or later, 3 doses are needed: first 2 doses 1 month apart and third dose at 6 months (0, 1-2, 6)
 - o Immunocompromised children and adults require 3 doses
 - Catch-up for females and males through age 45 now!



"Manage Late Effects From HPV-Positive Oropharyngeal Cancers"



- Dental Decay
- Dysphagia
- Lymphedema
- Osteonecrosis
- Ototoxicity

- Mucositis
- Taste Disorders
- Thyroid Dysfunction
- Trismus
- Xerostomia





Oral Health: The Sixth Complication of Diabetes

- 1. Neuropathy
- 2. Nephropathy
- 3. Retinopathy
- 4. Microvascular Diseases
- 5. Macrovascular Diseases
- 6. Oral Health Problems





Diabetes & Oral Health

- Diabetes is the 7th leading cause of death nationwide
- 34 million US adults have Type 2 Diabetes (T2D)
 - 7.3 million are unaware that they are living with T2D
- 88 million adults 18 and older have prediabetes
 - 22% will develop T2D within 5 years if untreated
- Patients with poorly controlled diabetes have a 3-fold greater risk of developing gingivitis and periodontitis
- Patients with diabetes whose gum disease is treated, have improved glycemic control, fewer complications, and improved quality of life
- Underlying pathophysiology focuses on inflammation and infection







Oral Health Complications



People who are at risk for diabetes or who are diabetic may experience more challenges to keeping their mouth healthy and may experience more oral health problems

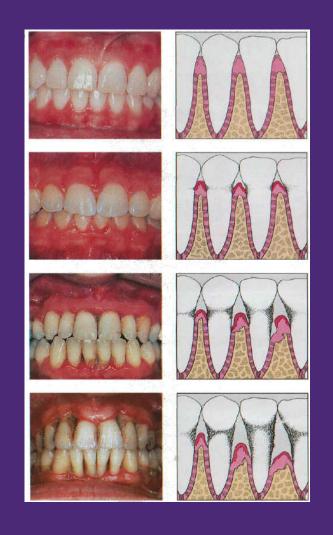
- Increased risk for...
 - Gingivitis & Periodontal disease
 - > Tooth loss
 - > Thrush
- \succ Medications reduce saliva \rightarrow dry mouth, tooth decay
- \succ High blood sugar helps bacteria grow \rightarrow tooth decay
- High blood sugar can also interfere with normal healing in your mouth





Periodontal Disease

- 1. Gingivitis
 - The early state of periodontal disease
 - Swollen gums due to inflammation
- 2. Periodontitis
 - The most serious form of periodontal disease
 - Gums pull away from the tooth
 - Supporting gum tissues are destroyed







Signs & Symptoms of Periodontal Disease

- □ Bad breath (halitosis) or bad taste that won't go away (strong odor)
- □ Red, sore, or swollen gums
- □ Tender or bleeding gums
- □ Receding gums (gums pulling away from teeth)
- Painful chewing
- Loose teeth or teeth that have moved or separated
- □ Food that gets stuck between the teeth more than before
- □ Sensitive teeth
- □ Any change in the way teeth fit together when biting down
- □ Any change in the fit of partial dentures
- □ History of periodontal abscess



Patient Education



□ Keep gums as healthy as possible to control diabetes and lower risk of complications (blindness, kidney disease)

□ Brush teeth gently twice per day with a soft-bristle toothbrush and fluoride toothpaste

- Clean between teeth with floss or another interdental cleaner daily
- □ Visit dentist for regular check-ups and cleanings
 - Have gums checked dentist/dental hygienist should measure the space between teeth and gums to check for periodontal disease





When Diabetes is the Diagnosis... Collaboration Among Primary Care and Dental Teams is Essential!



Include Comprehensive & Oral Health History Approach with ALL Patients

- Monitor HgbA1c
- BP Monitoring
- Assess Risk
- Explore Facilitators & Barriers to Diabetic and Oral Health Goals
- Partner with trusted community leaders & frontline
 - team members (CHWs, PCAs)
- Symptom Management
- Oral Health Literacy Coaching
- Vaccine Advocacy and Administration

Use Motivational Interviewing to Promote

Lifestyle Change

- Diet
- Exercise
- Weight Loss
- Oral Hygiene
- Referral to Obtain or Continue with Usual Source of Dental or Primary Care & Other Referrals (Podiatrist, Ophthalmologist, SW, Meals on Wheels)





Interprofessional Oral-Systemic Health Experience at NYSIM

Standardized Patient Experience

- I. Team Brief (5 min):
- II. History and physical exam (45 min)
- III. Debriefing (10 min)



Case Study Discussion I. Team Brief (5 min) II. Case Study Discussion (40 min) III. Debriefing (15 min)













Oral health and diabetes

Gain the confidence to discuss this important topic with your patients.

-Fisher PhD ENP-BC Wei and Judith Haber, PhD, APRN-BC, FAAN

MOST ADULTS with diabetes don't know they're at high risk for oral complications, such as periodontitis. They don't realize how important practicing good oral care at home-brushing twice a day and flossing regularly-and getting routine professional dental checkups are. Patients with diabetes visit their

dentist less frequently than their don't address oral health issues be peers without diabetes, perhaps cause they're not confident in their because they're already overburknowledge of the subject. dened by managing their diabetes In this article, we address this and comorbidities. Currently, few lack of confidence by discussing of these patients receive informacommon oral health issues assocition about the significance of oral ated with diabetes, suggesting simple approaches for improving pahealth and its potential impact on their overall health from healthcare tient assessment and education, providers. Many providers say they and recommending resources.

AmericanNurseToday.com

22 American Nurse Today Volume 12, Number 8

American Nurse Today, 2017



Oral Health: An Untapped Resource in Managing Glycemic Control in Diabetes and Promoting Overall Health Cynthia S. Darling-Fisher, PhD, FNP-BC, Preetha P. Kanjirath, BDS, MS,

Mathilde C. Peters, DMD, PhD, and Wenche S. Borgnakke, DDS, PhD

ABSTRACT

Periodontitis was declared the sixth complication of diabetes in 1993, and it is the sixth most common disease globally. Nonetheless, its 2-way relationship with diabetes is largely ignored by primary care providers. Poorly controlled diabetes predisposes to periodontitis. Periodontitis contributes to both the worsening of diabetes control and development of diabetes. Routine nonsurgical periodontal treatment improves glycemic control. In this article we describe simple, efficient ways for nurse practitioners to enhance oral health history-taking and examination, educate diabetes patients about their oral health needs, and promote collaborative relationships with dentists. This proactive approach can positively impact glycemic control and improve patients' health.

Keywords: diabetes mellitus, gingivitis, oral health, periodontitis, primary health care © 2015 Elsevier, Inc. All rights reserved.

INTRODUCTION

riodontal diseases (gum diseases) are a greatly underemphasized complication of poorly controlled diabetes mellitus that all health care providers need to be aware of and address when assessing and counseling their patients. Prevention, early diagnosis, and intervention can reduce the impact of this "sixth complication of diabetes"1 and greatly improve diabetes management.^{2,3} The American Diabetes Association recommends providers ask about "dental disease" as part of a patient's medical history as well as refer for comprehensive periodontal examination.⁴ Nonetheless, oral health is not routinely addressed in patients with diabetes. Traditionally, nursing and medical providers have perceived oral health issues like periodontitis as outside of their realm and, at best, advise patients to see a dentist without further explanation or attention.⁵ Unfortunately, patients often do not follow through for multiple

American Association of Nurse Practitioners (AANP) members may receive 0.69 continuing education contact hours, approved by AANP, by reading this article and completing the online posttest and evaluation at

www.npjournal.org

understanding its significance.^{2,3} Reports by the Institute of Medicine,^{2,3} as well as nursing, medical, and dental organizations, call for integration of oral and primary care to prevent disease and improve health, particularly for the chronically ill. The purpose of this study is to provide nurse prac-

reasons, including lack of access to dental care or

titioners and other primary care providers with information needed to efficiently and effectively address oral health issues during routine care of diabetes patients. Diabetes, the oral-systemic relationship, and the development of periodontal problems and their treatment are reviewed. We describe some brief additions to the medical history that can clue the provider to risks for periodontitis, common conditions in the mouth seen in patients with diabetes, and related common physical exam findings. Finally, we present recommendations to facilitate referral to dental health professionals as well as resources for patients and providers.

ORAL-SYSTEMIC RELATIONSHIP IN DIABETES

The prevalence of diabetes is increasing worldwide. By 2030, diabetes is projected to be the seventh

The Journal for Nurse Practitioners - JNP 889

The Journal for Nurse Practitioners, 2015



Early Childhood Caries



- Major public health problem
- Most common chronic childhood disease
- **5 times** more common than asthma
- **16 million** children have untreated decay
- 80% of ECC found in only 20% of children
- The **#1 unmet health care need** among pre-school children
- **51 million hours of school** missed in US due to poor oral health



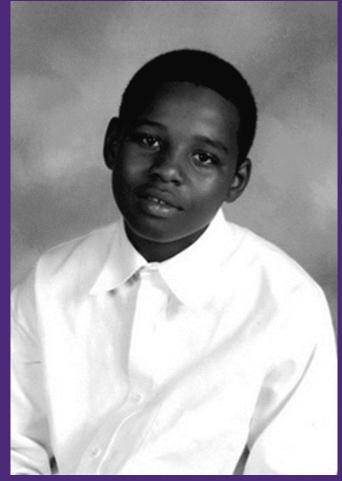


Social Determinants of Health

- Poor nutrition related to...
 - low SES
 - food insecurity
 - insufficient fluoride exposure
 - poor oral hygiene home care
 - limited availability and accessibility of oral health services
- Poor oral health in children is reported to be related to school problems and low self-esteem
- Prevalence of tooth decay is higher among Hispanic (13%) and Black children (17%)
- Prevalence of treated and untreated dental caries in 56.3% of youth from families living below the federal poverty level







Consequences of ECC



- Higher risk of new carious lesions in primary and permanent dentition
- Risk for delayed physical growth and development
- Loss of school days and increase in days with restricted activity
- Diminished oral health-related quality of life
- Hospitalizations and emergency room visits for advanced disease
- Increased treatment costs





What's a Nurse to Do?



- •Perform the **HEENOT** exam
- •Apply fluoride varnish
- •Conduct patient and parent oral care education
- •Provide ongoing nutritional support
- •Dental referral as needed





Oral Health Literacy for Parents and Caregivers

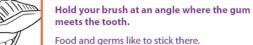




Use a soft bristle toothbrush and fluoridated

Use a smear of toothpaste from the first tooth up to age 3, a pea-sized amount after that.







Move the toothbrush in small circles. Count to 5 before moving the brush to another spot.



Remember the biting surfaces.

That is where the food gets stuck and germs hide.



Brush the tongue. Germs hide there.

Brush after breakfast and before bed.





A smear when they appear and at 3 the size of a pea!



Faculty Preceptor eLearning Modules





- Designed to enhance Knowledge, Skills and Attitudes (KSA) of Nurse Practitioner Preceptors
- Nine interactive modules that cover NP clinical education topics including oral health, social determinants of health, and interprofessional collaborative practice

Oral Health: Why is Oral Health Important?

This module describes the importance of Oral Health. Its content covers oral health within the context of public health, risks associated with childhood caries (ECC), and symptoms and treatment.

Length: 5 minutes

Start

This CE program was developed for the following grant: Primary Care Nurse Practitioner Preceptor Development Program (PC-NP-PDP) HRSA GRANT # D09HP29976 Principal Investigator: D. Hallas PhD, CPNP, PMHS, FAANP



Pediatric Oral Health Interprofessional Clerkship at Bellevue



Patient 1	Patient 2	Patient 3
NP reviews chart	MD reviews chart	DDS reviews chart
NP takes history	MD takes history	DDS takes history
DDS does HEENOT exam and FV	NP does HEENOT exam and FV	MD does HEENOT exam and FV
All collaborate for plan	All collaborate for plan	All collaborate for plan
MD gives patient education, prevention, anticipatory guidance, handouts, referral and follow-up	DDS gives patient education, prevention, anticipatory guidance, handouts, referral and follow-up	NP gives patient education, prevention, anticipatory guidance, handouts, referral and follow-up











Prenatal Oral Health Interprofessional Experience at Bellevue



Family Nurse Practitioner (FNP), Nurse Midwifery (MW) and Dental (DDS) students build a collaborative care plan to meet the oral health needs of pregnant patients at the Bellevue prenatal clinic.

- FNP and MW students develop oral health competencies to screen pregnant women for oral health
- Dental students develop oral health competencies to educate pregnant women

Patient 1	Patient 2
DDS/NMW/FNP students will review screening	DDS/NMW/FNP students will review
form together	screening form together
NMW/FNP student will review prenatal chart	NMW/FNP student will review prenatal chart
in EPIC	in EPIC
DDS student does HEENOT exam and shows	NMW/FNP student does HEENOT exam with
NMW student	DDS student mentoring
HUDDLE: DDS and NMW/FNP students discuss	HUDDLE: DDS and NMW/FNP students
plan	discuss plan
NMW/FNP student gives patient education,	DDS gives patient education, prevention,
prevention, anticipatory guidance, handouts,	anticipatory guidance, handouts, referral and
referral and follow-up	follow-up





Oral Health Nursing Education and Practice (OHNEP)

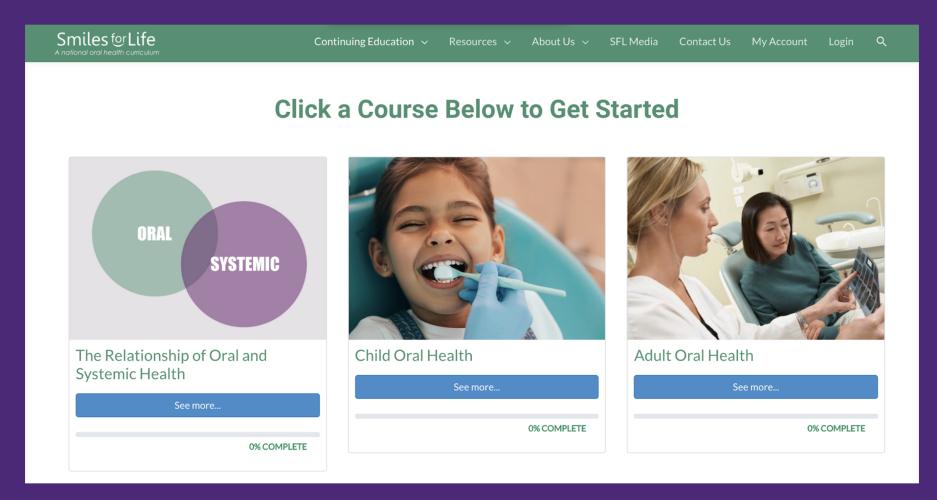




www.ohnep.org



Smiles for Life: A National Oral Health Curriculum



www.smilesforlifeoralhealth.org

HEENT to HEENOT – Putting the Mouth Back in the Head





COMMENTARIES

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Putting the Mouth Back in the Head: HEENT to HEENOT

Judith Haber, PHD, APRN, BC, Edin Hammett, DHP, CFMP, BC, Kenneth Mann, CDS, MBA, Doma Hallas, PHD, CFMP, BC, Canoline Domen, MSN, FMP, BC, Julia Lange-Kessler, DMP, CM, FM, Mohleine Lloyd, MS, FMP, BC, PMMMP, BC, Studies Thomas, DMP, AMP, SLC, and Control Windhinan, DMP, AMP, BC, PCMP, BC proving oral health is a leading population health goal: however, curricula preparing health professionals

have a dearth of oral health DURING THE DECADE FOLLOW- incidence and prevalence of den- challenged by the Institute of content and clinical experiing publication of the Surgeon tal caries, especially in lower so- Medicine to play a significant role doctoromic and minority group General's Report, Oral Health in in improving these oral health We detail an educational populations.^{3,4} Data from the disparities by building interpro-America, health professionals, and clinical innovation transi-2009-2012 National Health and festional oral health workforce tioning the traditional head, physicians (MDs), rarse practitioners (NPs), rarse-midstves Natrition Examination Survey¹ capacity." ears, eyes, nose, and throat (HEENT) examination to the (NMs), and physician assistant reveal that approximately one in One important of addition of the teeth, gums, (PAs) began to align with the four children (14%) aged 3 to 5 the problem is that the majority mucous, tongue, and palate dental profession to heed Satcher's years living at the poverty level of curricula for preparing health examination (HEENOT) for call to 'view the mouth as a viohave untreated dental caries. The professionals have a dearth of oral assessment, diagnosis, and dow to the body." The most signifsurvey data further reveal that health content and clinical experitreatment of oral-systemic icast interprofessional movement 19% of non-Hispanic Black chiences, Approximately 70% of health, Many New York Unithat followed this report occurred dren aged 3 to 5 years and 20% medical schools include 4 hours of versity numino, dental, and with family practice and pediatric of Hispanic children aged 6 to 9 less on oral health in their carriemedical faculty and students physicians coming together to years had untreated dental caries ulum; 10% have no oral health have been exposed to inwork on preventive and health compared with non-Hispanic content at all¹⁰ Similarly, NPs and terprofessional oral health HEENOT classroom, simula-initiatives for children in which White children aged 3 to 5 years NMs have also not had a defined (11%) and 6 to 9 years (14%)." tion, and clinical experiences. those professionals would provide oral health curricular knowledge This was associated with in- screenings, faoride varnish, and Although national statistics show have per a set of oral health creased dental-primary care referrals for children to find dental an improvement in access to oral clinical competencies,^{12n/4} The health care for children aged 5 hones PA programs have generally fol-This innovation has po- Mobilization of the overall years and older, the data reveal loved medical school curricula and tential to build interprofeshealth community to work collabsignificant departies in access to have not required curricular only sional oral health workforce oratively has been slower. Develcare for children ared 2 to 4 health content or competencies. capacity that addresses a opment of "Smiles for Life: A pears.7 The recent publication of sevsignificant public health is-In the adult population, oral National Oral Health Curriculum⁴² eral important national reports. sue, increases oral health represented an important interprecancer morbidity and mortality two-oral health reports by the care access, and improves. fessional "tipping point" for engagrates have not deckned over the Institute of Medicine,²⁰⁴⁶ the Intoral-systemic health across the lifespan. (Am J Public ing health professionals focused past 10 years, at least in part ing of oral health as one of the Health. 2015;102:437-441. dot on treating populations across the related to absent or inadequate Healthy People 2020 Leading 10.2105/AJPH.2014.3024959 lifespan in considering oral health oral examinations," and human Health Indicators,¹⁸ the release of and its relationship to overall peoplematics is associated with the Health Resources and Services health as an integral component the recent rise in the incidence of Administration document "Integration of Oral Health and Priof their practice. oropharyngeal cancer." Among Yet, evidence from national da- adults aged 65 years and older, mary Care Practice,"20 and the tabases monitoring oral health only 30% have a dental benefit.²⁰ mination of "Oral Health dia. Primary care providers have been Care During Prognancy: A data continue to reveal a high

March 2015, Vol 105, No. 3 | American Journal of Public Health

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referrals.

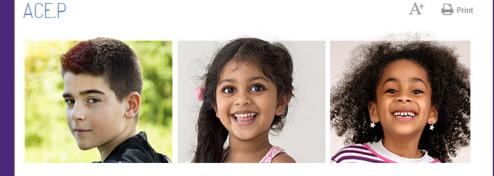
Haley et al. | Peer Reviewed | Commentaries | 437



American Journal of Public Health. 2015

Oral Health Care for Children NLN ACE.P Framework







With generous funding from the Hearst Foundations **C**, the NLN has developed ACE.P unfolding cases to focus on the increasing impact of environment, housing, and access to care for children in vulnerable populations. The cases focus on the special needs of vulnerable children in the areas of nutrition/obesity, oral health, preventive care, immunizations, mental health, and autism. The ACE.P cases follow the format of NLN's highly regarded and successful Advancing Care Excellence for Vulnerable Populations (ACE) series.

Unfolding Cases	Teaching Strategies
NLN ACE.P Framework	Additional Resources

Mia Jones Unfolding Case

- Katrina's Introductory Monologue
- Simulation Scenario 1 Primary Care
- Simulation Scenario 2 PACU
- Simulation Scenario 3 ER
- Finish the Story Assignment

Teaching Strategies

- Nutrition Education Program
- Oral Health in Childhood



National League for Nursing Academy of Nursing Education Available at: <u>http://www.nln.org/professional-development-programs/teaching-resources/ace-p</u>



PACP

Health Literacy: Oral Health Facts

OHNEP Oral Health Nursing Education and Practice

w Are These Problems Treated?

all plaque and tartar buildup from your

If gum disease is more serious, surgery

prescription mouthwash, gel, or oral

Medicines that cause dry mouth may be

sugarless candies or gum may also help

changed. Special mouthwashes and

· Oral and throat cancers may require

surgery, radiation, or chemotherapy.

different types of treatment, including

may be needed.

with dry mouth.

antibiotics for infections

· Gum disease can be treated by removing

teeth and gums through a deep cleaning.

Certain medicines may be used, including

www.acponline.org/patient_ed

Patient FACTS

Dral Health and You

What Is Oral Health?

Oral health is not only about keeping teeth clean. It also refers to the jaw, lips, gums, teeth, tongue, and glands that make saliva. Good oral health is important to your overall health. Many health problems, like diabetes, heart disease, and other conditions, are linked with oral health. It's important to talk to both your dentist and primary health care professional (physician, nurse practitioner, physician assistant) about oral health.

What Are Some Common Oral Health Problems?

 A Cavity is a hole in your tooth caused by bacteria from plaque buildup. Eating sugary foods and drinks can make plaque worse. When plaque is not cleaned off the teeth, cavities can form.

Gingivitis happens when plaque stays on your teeth for too long. Gingivitis can cause gums to be swollen and tender and bleed nore easily. It can also cause bad breath. This is the beginning stage of gum disease. Gum Disease (Periodontitis) occurs when tartar builds up and contributes to infections deep in your gums. It can lead to loss of tissue, bone, and teeth and can increase your risk for other serious problems, like diabetes, heart attack, or stroke. Dry Mouth can be caused by medicines for

high blood pressure, depression, or other health problems. What Are the Warning Signs of

Poor Oral Health? Red, swollen, tender, or bleeding gums

 Bad breath that won't go away Loose teeth Sensitive or sore teeth Receding gums (gums that pull away from the teeth Dry mouth Long-lasting mouth sores



w Are Oral Health Problems Diagnose Most oral health problems are diagnosed after your mouth, teeth, gums, and tongue are examined. Your dentist may also use X-rays to help diagnose oral health problems

www.acponline.org/patient_ed

v Are Oral Health Problems Treated? · Cavities can be treated by filling or covering the holes in teeth. If a cavity or tooth decay is more serious, nerves in the tooth or the entire tooth may need to be removed Gingivitis can be treated by a professional

cleaning at your dentist's office. Good oral hygiene will keep plaque and tartar from building up again. Gum disease is treated by removing tartar

and bacteria from your teeth and gums. If gum disease is more serious, you may need prescription antibiotic medicines or dental surgery.

SACP 24 OHNEP AND DECK. National Int on Oral Health

Patient FACTS Oral Health and HPV

Having oral sex with many partners

increases your risk for oral HPV.

oral sex.

What Is HPV? Human papillomavirus (HPV) is a virus that can infect your skin, mouth, penis, vagina, cervix, and anus. If HPV infects your mouth, it could put you at risk for mouth or throat cancer. Some research suggest that smoking and heavy drinking can increase the risk that oral HPV will turn into cancer. It is important to discuss your risk of HPV and oral health with both your dentist and primary health care professional (physician, nurse practitioner, physician assistant).

. HPV is spread through oral sex. If your

What Are the Warning Signs of HPV? Many times, the HPV virus does not cause partner is infected with genital HPV and you perform oral sex, you risk getting HPV. or sores in the mouth. Mouth or throat cancer can include:

How Can | Prevent Oral HPV? · Ulcers or sores in the mouth that don't heal HPV can be spread even when an infected person has no signs or symptoms. The best · Pain when chewing way to protect yourself is to always use condoms and dental dams with all partners. A dental dam is a small, thin piece of latex go away that can be used for protection during Constant coughing The HPV vaccine protects you against other types of HPV. It is recommended for most

people, both male and female, ages 11 through 26. Talk to your health care professional about the HPV vaccine. OHNEP AND PROPERTY.

National In on Oral Health



How Are Oral Health and HPV Linked?

any symptoms. The virus could cause warts cancer could also develop because of HPV infection. The symptoms of mouth or throat

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 Difficult or painful swallowing · A sore throat or hoarse voice that doesn't · A swelling or lump in the mouth or neck · A numb feeling in the mouth or lips

 An earache on one side that lasts for more than a few days



Patient FACTS

Oral Health and Diabetes

How Are Diabetes and Oral Health Linked?

People with diabetes are at greater risk for oral health problems, like gum disease and tooth decay. Gum disease can also be a warning sign for diabetes. To lower risk for oral health problems, it is important to control blood sugar and practice good oral health habits. If you have diabetes, discuss any special care you may need with both your dentist and primary health care professional (physician, nurse practitioner, physician assistant).

What Are Common Oral Health Problems Related to Diabetes? Diabetes can make it hard for your

body to fight off infection. This means you may be at higher risk for some of these problems:

 Gum Disease (Periodontitis) occurs when tartar builds up and contributes to infections deep in your gums. It can lead to loss of tissue, bone, and teeth and increases your risk for other serious health problems, like heart attack or stroke

 Oral Thrush can cause uncomfortable creamy white patches in your mouth or small white cracks at the corners of your mouth.

infections, and cavities. Dry mouth may be caused by medicines for high blood pressure, depression, or other health problems.





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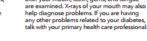
What Are Warning Signs of Oral Health Problems Related to Diabetes · Red, swollen, or tender gums or other pain

in your mouth Bleeding while brushing, flossing, or eating

 Loose or separating teet Sores in your mouth · Bad breath, bad taste in mouth, or loss of taste

· White patches in the mouth · A sticky, dry feeling in the mouth How Are Oral Health Problems Diagnosed?

Oral health problems may be diagnosed Dry Mouth can cause soreness, ulcers, after your mouth, teeth, gums, and tongue





Oral Health and Older Adults

Patient FACTS

What is Oral Health?

Oral health is not only about keeping teeth

clean. It refers to the jaws, lips, gums, teeth,

tongue, and glands that make saliva. As you

age, you become more prone to certain oral

health problems. Oral health is important to

discuss with both your dentist and primary

· Gum disease (periodontitis) occurs when

tartar builds up and contributes to infections

deep in your gums. This can lead to loss of

tissue, bone, and teeth. It can also increase

your risk for other serious health problems,

like diabetes, heart attack, or stroke.

Dry mouth, which can be caused by

medicines for high blood pressure,

depression, or other health problems

What Are the Warning Signs of Oral

· Red, swollen, or tender gums or other

· Bleeding while brushing, flossing, or eating

pain in your mouth or teeth

· Loose or separating teeth

health care professional (physician, nurse

practitioner, physician assistant).

Problems for Older Adults?

· Mouth and throat cancers

Tooth decay

Health Problems?

Dry mouth

What Are Common Oral Health

caught in the throat that doesn't go away Trouble chewing, swallowing, or moving certain parts of your mouth



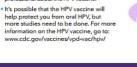
Available at: http://ohnep.org/interprofessional-resources





National **Interprofessional Initiative** on Oral Health engaging clinicians





Health Literacy: HPV Oral Health Facts



Patient FACTS

Oral Health and HPV

What Is HPV?

Human papillomavirus (HPV) is a virus that can infect your skin, mouth, penis, vagina, cervix, and anus. If HPV infects your mouth, it could put you at risk for mouth or throat cancer. Some research suggest that smoking and heavy drinking can increase the risk that oral HPV will turn into cancer. It is important to discuss your risk of HPV and oral health with both your dentist and primary health care professional (physician, nurse practitioner, physician assistant).

How Are Oral Health and HPV Linked?

 HPV is spread through oral sex. If your partner is infected with genital HPV and you perform oral sex, you risk getting HPV.

 Having oral sex with many partners increases your risk for oral HPV.

How Can | Prevent Oral HPV?

 HPV can be spread even when an infected person has no signs or symptoms. The best way to protect yourself is to always use condoms and dental dams with all partners. A dental dam is a small, thin piece of latex that can be used for protection during oral sex.

The HPV vaccine protects you against other types of HPV. It is recommended for most people, both male and female, ages 11 through 26. Talk to your health care professional about the HPV vaccine.

It's possible that the HPV vaccine will help protect you from oral HPV, but more studies need to be done. For more information on the HPV vaccine, go to: www.cdc.gov/vaccines/vpd-vac/hpv/



www.acponline.org/patient_ed

What Are the Warning Signs of HPV?

Many times, the HPV virus does not cause any symptoms. The virus could cause warts or sores in the mouth. Mouth or throat cancer could also develop because of HPV infection. The symptoms of mouth or throat cancer can include:

· Ulcers or sores in the mouth that don't heal Difficult or painful swallowing Pain when chewing

A sore throat or hoarse voice that doesn't

go away A swelling or lump in the mouth or neck A numb feeling in the mouth or lips

Constant coughing

 An earache on one side that lasts for more than a few days



Safe and Sound: The HPV Vaccine

The HPV vaccine is the most effective form of prevention against HPV-associated cancers and illnesses, and is highly effective in preventing most serious types of HPV. There are many misconceptions surrounding HPV transmission and the HPV vaccine, and it is important to know that the HPV vaccine can be safely administered to teen children starting between ages 9-12.

------HPV affects both men and women.

- > Most common sexually transmitted virus in the U.S.
- > 80% of people will get an HPV infection in their lifetime.
- > Spread through vaginal, anal or oral sex.
- > Mostly undetectable and asymptomatic.
- > Can often disappear on its own in healthy people, but if not
- resolved can cause serious health problems like warts and cancer.

Cancer	Cases in Women	Cases in Men		
Back of the Throat	2,200	11,800		
Cervical	11,000	0		
Anus	4,400	2,100		
Vulva	2,800	0		
Penis	0	800		
Vagina	700	0		

Highly preventable with screenings and administration of the 21,100 14,700 Gardasil® vaccine Rates of HPV-Associated Cancers in U.S. per Year

Source: CDC Data as of August 2020

Total

Common HPV Vaccine Myths BUNKED

(mouth and throat).

HPV causes 6 types of cancer.

HPV is believed to cause about 70% of all oropharyngeal cancers.

Cervical cancer rates have decreased over the past ten years, but

rates of oral cancers have dramatically increased.

Most common HPV-associated cancer is oropharvngeal cancers

Myth: The HPV vaccine has many harmful side effects.

The Truth: Studies show the HPV vaccine to be incredibly safe with minor side effects.

Myth: A referral from a physician is required to receive the HPV vaccine.

The Truth: Many health professionals can administer the HPV vaccine, including nurses, nurse practitioners, physician assistants, midwives, pharmacists and dentists.

Myth: Teens will be more likely to engage in sexual activity if they have the HPV vaccine.

The Truth: Experts have confirmed that HPV vaccine does not promote sexual activity in teens.

Myth: Boys do not need the HPV vaccine since they are not at risk for cervical cancer.

The Truth: Although cervical cancer is only a concern for women, men can still get oral cancer which is the most prevalent HPV-associated cancer.

Available under Oral Health Literacy at: http://ohnep.org/interprofessional-resources



Graduate Interprofessional Oral Health Faculty Tool Kits Second Edition





Available at http://ohnep.org/faculty-toolkit



NEW! Undergraduate Interprofessional Oral Health Faculty Tool Kit

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The OHNEP Undergraduate Interprofessional Oral Health Faculty Tool Kit

N H N F P

Oral Health Nursing

Resources & Strategies for Oral Health Integration

- Nursing Care of Adults & Older Adults
- ✓ Nursing Care of Children
- ✓ Maternity & Women's Health
- ✓ Community
- ✓ Psychiatric-Mental Health
- ✓ Leadership in Nursing
- ✓ Professional Nursing



Available at http://ohnep.org/faculty-toolkit



Oral Health Nursing Education and Practice Program (OHNEP) New York University Rory Meyers College of Nursing 433 First Avenue, New York, NY 10010 ohneo.org

OHNEP Oral Health Case Study Resource Kit

Judith Haber, PhD, APRN, FAAN Erin Hartnett, DNP, PPCNP-BC, CPNP, FAAN Jessamin Cipollina, MA



OrALL in the FAMILY

Oral health has a significant impact on the overall health and well-being of individuals across their lifespan. The Oral Health Across the Lifespan Module was created and funded by the Oral Health Nursing Education & Practice (OHNEP) program and the National Interprofessional Initiative on Oral Health (NIIOH).

You are the RN in the OB clinic.

Ms. Jones is 24 weeks pregnant and tells you that her gums have been bleeding and she has a "lump" above one of her teeth. She is on Medicaid and does not have a dental home. During your HEENOT exam you notice that Ms. Jones gums look red and swollen and there is a 1 cm. raised red nodule on the gum above the right lateral incisor. You want to give her the correct information on what she is experiencing.

- eResource: Download and install Smiles for Life (SFL) app on your mobile phone

 SFL.Oral Health App (www.smilesforlifeoralhealth.org/apps.html)
- · In the SFL app, select Diagnostic Modules and then select Prenatal
- Answer the 2 questions under Prenatal
- · Follow the app as you answer the questions for Ms. Jones
 - Is she having any problems with her mouth?
 - What do you recommended for her bleeding gums
- Find the photo of the Soft Tissue Enlargement
 - o What is this called?
 - What do you recommended Ms. Jones do for this?
 - o Does Medicaid cover dental care for pregnant women in your state?

You are the RN in the Postpartum Clinic.

Ms. Jones returns for her 6 week postpartum check-up. She says her gums no longer bleed, but the lump in her mouth has gotten larger and interferes with chewing. During your HEENOT exam you notice that the 1 cm. raised red nodule on the gum above the right lateral incisor is now is now extending to the posterior aspect of the gum behind the tooth.

- Return to the photo of the Soft Tissue Enlargement on the SFL app.
 - o What are your recommendations for her?
 - o Does Medicaid cover dental care at 6 weeks postpartum?

You are the RN in the Well-Child Clinic.

Newborn

Ms. Jones brings her baby Eliza to the clinic for her 1 week newborn check-up. She is breastfeeding well.

OHNEP

OHNEP COVID-19: OrAll in the Family Case Study

COVID-19 risk increases for individuals, families and communities disproportionately affected by chronic diseases and the social determinants of health. These same populations are at higher risk for oral disease. Common risk factors include obesity, poverty, stress, poor diet, alcohol and tobacco use, substance misuse, mental health issues and domestic violence. Many of these factors have been heightened during the pandemic. These and other social determinants of health contribute increased risk of COVID-19, exacerbation of chronic disease and poor oral health.

- The Collins family is a multi-generational African-American family living in the Bronx.
- The family wanted to gather for Grandma Collins' 90th birthday. She resides in assisted living and is fully vaccinated. The Collins family discussed how to gather as safely as possible.
- Grandma and Carla are fully vaccinated. Joe is reluctant to get the vaccine even though he is qualified for it. Laurette, Mike and their children Tanisha and Troy are not. What would you consider their risk level for COVID-19 for having an indoor family dinner?

Collins Family Members

- ✓ Grandma Collins, age 90 mother of Carla and Joe
- ✓ Carla, age 68 daughter of Grandma Collins; widow; mother of Laurette
- ✓ Joe, age 69 son of Grandma Collins; single
- ✓ Laurette, age 42 and Mike, age 44 parents to Tanisha, age 13 and Troy, age 5

Grandma Collins has mild dementia, has poor oral health, and requires assistance for all activities of daily living (ADL) including oral hygiene.

Read: Edahiro, A., Okamura, T., Motohashi, Y., Takahashi, C., Sugiyama, M., Miyamae, F. ... & Awata, S. (2020). Oral health as an opportunity to support isolated people with dementia: useful information during coronavirus disease 2019 pandemic. Psychogeriatrics, 21(1), 140-141. doi: 10.1111/psyg.12621.

Available at: http://ohnep.org/faculty-toolkit









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