

Biosketch: Sherri M. Lukes



Sherri Lukes, RDH, MS, is an associate professor in the dental hygiene program at Southern Illinois University Carbondale, the only baccalaureate dental hygiene program in Illinois. She has taught oral pathology there for the past 22 years, as well as Community Oral Health, Multicultural Applied Experience in Dental Hygiene and Advanced Periodontics clinic. Her research has been concentrated in oral pathology, migrant and seasonal farmworker oral health, and issues affecting a range of other underserved groups. She has presented on topics within her areas of expertise at various conferences and continuing education meetings across the country.

Passionate about public health issues, Ms. Lukes serves as chair of the Public Health/Access to Care Committee for the Illinois Dental Hygienists' Association. She is currently treasurer and legislative chair for the Southern Illinois Dental Hygienists' Society. Community service projects include annual mission trips to central Mexico, where accompanied by SIU dental hygiene students, she provides oral health care in area villages. She received the first annual College of Applied Sciences and Arts Community Service award in 2004, School of Allied Health Teacher of the year in 2006, was named an Oral Health Champion by the IFLOSS Coalition and the Illinois Department of Public Health in 2009, and was a recipient of the Sunstar/RDH Award of Distinction in 2010.

Continuing Education Course Outlines:

Title:

What Are We Really Looking For? – Oral Pathology Cases and Concepts

Objectives:

Upon completion of the session, participants will be able to:

1. Describe the etiology, clinical appearance and treatment options for various oral pathologic conditions.
2. Discuss the relevance of this knowledge to dental hygienists in the dental hygiene process of care
3. Compare/contrast lesions that can be included in the dentist's differential diagnosis for each pathologic entity

This course is a general overview of oral pathologic conditions from Ms. Lukes' own personal collection of lesion images accumulated over 30 years as a dental hygienist and

a 22 year teaching career. Etiology, clinical appearance, treatment options and relevance to dental hygiene are included for each lesion/condition. The course includes both common and uncommon conditions and is a good update for clinical hygienists. Most images are from cases observed in one of the three clinics at Southern Illinois University, as well as those encountered during annual mission work in Central Mexico. Comparison images for inclusion in the differential diagnosis will also be presented and discussed. While discussing squamous cell carcinoma cases, Ms. Lukes will present the results of current research concerning the role of Human Papillomavirus (HPV) in oral cancers, stressing vigilance in thorough intra- extra-oral exams by hygienists. There will also be a discussion about the evolution of oral lesions once commonly encountered in HIV infected patients, to those currently affecting the population in the age of highly active antiretroviral therapy (HAART). This course can serve as an excellent update for seasoned hygienists/dentists or a relevant review for new graduates entering the field.

Course Outline:

A. Our Role as Hygienists

B. Cases/conditions

1) Developmental conditions/deviations of normal

- Lip pits
- Retrocuspid papilla
- Enamel Hypoplasia
 - Fluorosis
- Osteogenesis Imperfecta with opalescent teeth
- Ectodermal dysplasia
- Hemangioma
- Congenital Syphilis

2) Cysts of the oral region

- Dentigerous cysts
- Odontogenic keratocyst
- Radicular cyst

3) Odontogenic Tumors

- Compound Odontoma
- Unicystic Ameloblastoma

4) Fibrous Hyperplasias

- Irritation Fibromas
- Giant Cell Fibroma
- Pyogenic Granuloma
- Epulis Fissuratum

5) Oral Cancer

- Leukoplakia
- Snuff dipper's lesion
- Carcinoma in situ
- Squamous cell carcinoma (2 cases)
- HPV's role in oral cancer

6) Microbial Lesions/Infections

- Candidiasis
 - Median Rhomboid Glossitis
- Viral-Herpes Simplex type 1

- Human Papilloma Virus
 - Papilloma
 - Verrucus Vulgaris
 - Multifocal Epithelial Hyperplasia(Heck's disease)
- Coxsackievirus- Hand, Foot and Mouth diseases
- Bacterial (caries)
 - Chronic hyperplastic pulpitis
- HIV lesions and their evolution

7) Autoimmune Conditions

- Aphthous Ulcers (comparison of aphthous and herpes simplex)
- Progressive Systemic Sclerosis (localized)
- Erythema Multiforme

8) Physical/Chemical Injuries

- Trauma
 - Mucocele
 - Denture induced
- Drug induced
- Erosion (bulimia)
- Sialolithiasis (salivary stone)

9) Blood Disorders

- Cyclic Neutropenia
- Anemia