Old Dominion University

DENTAL HYGIENE RESEARCH CENTER

Gene W. Hirschfeld
School of Dental Hygiene
MISSION

• Conduct high quality research
• Contribute to economic development
• Produce outcomes-based research
• Increase body of evidence-based knowledge
• Strengthen the profession
• Provide opportunities for faculty and student research collaborations
DHRC. . . .
A Center of Excellence
REGULATED RESEARCH

- FDA
- NIH
- GCP
- ADA
- ADHA
ADVISORY COUNCIL 2001-2002

• Biology
• Dental Hygiene
• Dental Research
• Legal
• Oral Epidemiology
• Pharmaceutical Industry
• Public Health
HOSPITAL-BASED AND MULTI-CENTER COLLABORATIONS

• Eastern Virginia Medical School
PHARMACEUTICAL INDUSTRY COLLABORATIONS
- Product testing
- Device evaluation
- Occupational risk assessment
- Treatment intervention
ORAL HEALTHCARE PRODUCTS
OCCUPATIONAL RISK ASSESSMENT

Vibratory Analyzer
OCCUPATIONAL RISK ASSESSMENT

Hearing Analysis

Ultrasonic Scaling
NATIONAL RECOGNITION

- Filmed by NASA
- Broadcast on PBS

LIGHTS, CAMERA.... PROBE

A crew from the national network Discovery interviews John Companion, a William & Mary applied science researcher, as Gayle McCombs, Old Dominion assistant professor of dental hygiene, demonstrates an ultrasonic periodontal probe Thursday in Old Dominion's dental hygiene clinic. McCombs is a lead researcher on the project and all clinical trials are being completed at Old Dominion.
FACULTY AND STUDENT COLLABORATIONS

EFFECTIVENESS OF DISTANCE EDUCATION STRATEGIES ON STUDENT ACHIEVEMENT IN A MULTIDISCIPLINARY RESEARCH METHODS COURSE

Michele Darby, School of Dental Hygiene, College of Health Science, Old Dominion University, Norfolk, Virginia

ABSTRACT

This study compared the effectiveness of a multidisciplinary research methods course. The 12-week course required students to apply critical thinking skills and research strategies to create academic strategies to improve student achievement. The study involved 10 students and 10 control students. The treatment group was divided into two subgroups: the first subgroup was taught using a traditional strategy, and the second subgroup was taught using a traditional strategy plus a creative strategy. The results showed that the treatment group achieved significantly higher grades than the control group. The treatment group also achieved significantly higher grades than the traditional group. The creative strategy was found to be more effective in improving student achievement. The treatment group achieved significantly higher grades than the control group. The creative strategy was found to be more effective in improving student achievement. The treatment group achieved significantly higher grades than the control group. The creative strategy was found to be more effective in improving student achievement.
STUDENT RESEARCH PRESENTATIONS
FACULTY MENTORSHIP
MASTER OF SCIENCE IN DENTAL HYGIENE