GGE
Interprofessional Educational Initiatives that Contribute to Improved Quality of Care for Geriatric Patients

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Nova Southeastern University
College of Dental Medicine
March 14, 2011
San Diego, CA.
Learning Objective

To create an understanding of the ways in which comprehensive geriatric health care education and services may be provided in a multi-disciplined academic setting to better educate future health care professionals.
Presentation Overview

• NSU CDM History

• Current Interprofessional Endeavors
  – SST
  – GEC
  – ISN

• Future Opportunities
Interprofessional Geriatrics Education

• NSU Geriatric Psych Program
  – 2000
  – Assisted Living Facility
    • 44 bed residential facility
    • Rotated students and residents
    • Exams and consultations
    • Referrals

  – Day Treatment Center
    • 50% community based elders
    • 50% ALF
    • Exams and consultations
    • Referrals
Interprofessional Geriatrics Education

• NSU Elder Care Group
  – 2003
  – Dental, Gerontology, Medicine, Occupational Therapy, Optometry, Psychology
  – 3 Goals
    • Clinical Referrals
    • Grand rounds and lecture series for students
    • Community seminars

• Dental Student/Student Medical Exchange
  • Veterans State Nursing Home
  • ISN clinic
In 2004, many Colleges including the Health Professions Division and the Center for Psychological Studies were providing independent didactic and clinical geriatric education.

To coordinate services and to benefit from mutual experiences, NSU created the NSU Senior Services Team (SST).

Core faculty: geriatric medicine, geriatric dentistry, optometry, psychology, physical therapy, public health, occupational therapy, pharmacy, nursing, grants and contracts, and clinical operations.
3 Goals:

• Clinical referrals
• Health fairs
• Interdisciplinary educational experiences
A Message to South Florida’s Senior Citizens

Dear NSU Neighbor,

For the past 18 years, I have been the chief executive officer in charge of the clinical operations at Nova Southeastern University. Today, NSU offers 17 different health care centers representing 10 different clinical programs to meet your total health care needs. I am pleased to introduce our new team of personnel, state-of-the-art health care services available to you at our Fort Lauderdale and Dania Beach locations.

The NSU doctors, and their health care teams, have built a solid reputation within the South Florida community. Regardless of age, ethnicity, gender, or religion, many of our neighbors already have realized our commitment to treat each patient with compassion and respect. You will get the time and attention you deserve for your overall health and well-being.

We have teams of doctors who focus their practice in specialty areas, like Dr. Giagos Nidjeg of our Senior Health Care Services Team, and can collaborate with your primary care physician to optimize your health care goals. We believe it is increasingly important to address all health-related issues for seniors in a coordinated and comprehensive manner. You receive care that is specifically designed around your individual needs and lifestyle.

Last year, we had more than 300,000 patient visits, and we attended to each patient with personal and attention. If you are a member of our senior community, or know someone who could benefit from these services, please give us a call. We’ll be happy to see you.

Dr. Robert S. Osher
Chief Executive Officer
Nova Southeastern University

Welcome New Patients

As a geropsychologist and coordinator of the Geriatric Clinical Services Team, I have been focusing my practice on the concerns of senior citizens in our community. South Florida leads the country in the number of older adults. Because our area serves the best health care possible to as many people as possible, we provide individualized care from top health care specialists. These specialists handle a variety of health care issues and have joined together to form the NSU Senior Health Care Services Team.

Because we are part of Florida’s largest private university, including major schools in medicine, dental medicine, pharmacy, physical therapy, and psychology, NSU is at the forefront of the most contemporary older adult health care. The Senior Health Care Services Team is comprised of all the health care disciplines represented in the university. The team meets regularly to share ideas, identify senior needs, and create innovative new services. The result is a holistic approach to aging health care that addresses all aspects of well-being—physical, mental, and relationship health.

The Senior Health Care Services Team will help you prevent and manage conditions such as diabetes, osteoporosis, and glaucoma, and also help you cope with the impact of medical conditions on your lifestyle, emotions, and relationships. You will notice right away that our approach is more comprehensive and less hallowed than what is traditionally offered elsewhere.

Please take a moment to review the list of services provided by our Senior Health Care Services Team. It would be our pleasure to become your single source for all your health care needs. We look forward to seeing you.

Dr. Michelle Giagos Nidjeg
NSU Coordinator, Geriatric Clinical Services

Trust your health care to the team that teaches it.
(954) NSU-CARE (678-2273)
NSU Division of Clinical Operations

Senior Services Team and Geriatric Resources & Outreach
### Interdisciplinary Consultation Request

#### Interdisciplinary Consultation Request & Referral Form

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#### Requested Timeframe

- Regular
- Urgent

#### Reason for Referral

Briefly state referral question or reason for referring patient:

#### Referred to the Following Clinic

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<tr>
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<th>Phone</th>
<th>Email</th>
</tr>
</thead>
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<tr>
<td>Darin Lopez</td>
<td>1799</td>
<td><a href="mailto:lpparisc@nova.edu">lpparisc@nova.edu</a></td>
</tr>
<tr>
<td>Steve Peterson</td>
<td>7705</td>
<td><a href="mailto:steve.peterson@nova.edu">steve.peterson@nova.edu</a></td>
</tr>
<tr>
<td>Elton Gonzalez</td>
<td>4352</td>
<td><a href="mailto:elton.gonzalez@nova.edu">elton.gonzalez@nova.edu</a></td>
</tr>
<tr>
<td>Marcia O’Riordan</td>
<td>7750</td>
<td><a href="mailto:marcia.orir@nova.edu">marcia.orir@nova.edu</a></td>
</tr>
<tr>
<td>Erica Friedman</td>
<td>7722</td>
<td><a href="mailto:erica.friedman@nova.edu">erica.friedman@nova.edu</a></td>
</tr>
<tr>
<td>Michelle Cognac</td>
<td>5613</td>
<td><a href="mailto:michele.cognac@nova.edu">michele.cognac@nova.edu</a></td>
</tr>
<tr>
<td>April Garbett</td>
<td>4556</td>
<td><a href="mailto:april.garbett@nova.edu">april.garbett@nova.edu</a></td>
</tr>
<tr>
<td>Mary Ann Ramirez</td>
<td>4534</td>
<td><a href="mailto:maryann.ramirez@nova.edu">maryann.ramirez@nova.edu</a></td>
</tr>
<tr>
<td>Ayala Winer</td>
<td>5874</td>
<td><a href="mailto:ayala.winer@nova.edu">ayala.winer@nova.edu</a></td>
</tr>
<tr>
<td>Michelle McVay</td>
<td>5632</td>
<td><a href="mailto:michelle.mcvay@nova.edu">michelle.mcvay@nova.edu</a></td>
</tr>
<tr>
<td>Crystal Marloin-Blake</td>
<td>4349</td>
<td><a href="mailto:crystal.marloin-blake@nova.edu">crystal.marloin-blake@nova.edu</a></td>
</tr>
<tr>
<td>Steve Herson</td>
<td>4348</td>
<td><a href="mailto:steve.herson@nova.edu">steve.herson@nova.edu</a></td>
</tr>
<tr>
<td>Jackie Tobin</td>
<td>7747</td>
<td><a href="mailto:jackie.tobin@nova.edu">jackie.tobin@nova.edu</a></td>
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#### Findings of Referral Consultation / Evaluation & Recommendations

- [Link to NOVA Southeastern University website](http://www.nova.edu)
CDM Institute for Special Needs Dentistry

- Dental Care for Frail Elderly, Medically Compromised, and Persons with Developmental Delay and Acquired Disability.

- Services Offered:
  - Examinations
  - Radiographs
  - Cleanings
  - Restorations
  - Root canal therapy
  - Crowns and bridges
  - Dentures (partial & complete)

- Locations:
  - Davie
  - North Miami Beach
CDM Institute for Special Needs Dentistry

- 4th year dental students
  - 1 day per week for 6 weeks

- AEGD residents
  - PGY-1s = 1 day per week for 8 months
  - PGY-2s = Home base
Nursing Home

- 4th year Dental Students:
  - 6 consecutive Tuesdays

- AEGD PGY-1s:
  - 1 day per week for one month
The Eye Institute –
Optometry & Low Vision

Vision evaluations and interventions and low vision rehabilitation to improve function and quality of life.

Services Offered
- Primary eye care, including examinations
- Optical services
- Low-vision rehabilitation
- Diabetes eye health and macular disease care
- Glaucoma and cornea prevention and care

Locations:
- Davie
- Lighthouse of Broward
- North Miami Beach
Family Therapy and Conflict Resolution Services

• Brief therapy services, including family and conflict resolution.

• Services:
  – Brief therapy
  – Family, marriage, and divorce adjustment counseling
  – Coping techniques
  – Individual and family conflict assistance
  – Care taker responsibilities, challenges, and stress management

• Location:
  – Davie
Geriatric Medicine Clinic

• Outpatient medical services for older adults and younger & middle-aged adults with complex medical issues.

• Services Offered:
  – Diagnosis and treatment of medical conditions
  – Gynecology health in older women
  – Management of multiple medical conditions
  – Osteopathic medical care
  – Medical services for seniors and adults with disabilities and special needs

• Locations:
  – Davie
  – North Miami Beach
Hearing and Balance Center

- A wide range of services for hearing health and dizziness.

- Services:
  - Hearing evaluations and treatment
  - Hearing aids and assistive listening devices
  - Adult auditory disorders
  - Evaluation, diagnosis, and treatment of vertigo and dizziness

- Location:
  - Davie
Pharmacy Services

• A wide range of pharmacy-related services for the public.

• Services:
  – Prescriptions, OTC drugs, Vitamins
  – Compounding tailor-made medicines
  – Herbal and nutritional counseling
  – Disease management programs: Diabetes, Hypertension, Anticoagulation, and Osteoporosis care needs
  – Dosage monitoring for patients with multiple prescriptions
  – Wellness screenings

• Location:
  – Davie
Psychology Services Center

- Adolescent Drug Abuse Prevention and Treatment
- ADHD Assessment Consultation & Treatment
- Adult Services
- Anxiety Treatment Center
- Biofeedback and Health Psychology
- Child, Adolescent, and Family Services
- Child and Adolescent Traumatic Stress
- Counseling for Older Adults
- Family Violence
- Healthy Lifestyles Guided Self-Change
- Intensive Psychodynamic Psychotherapy
- Neuropsychology Assessment Center
- Parkinson's Disease Support Group
- Program for the Seriously Emotionally Disturbed
- School Psychology Assessment and Consultation
- Sport Psychology Program
- Trauma Resolution Integration
Psychology Services Center

• Counseling Center for Older Adults
  – Psychological services for people ages 55 and older
  – Services:
    • Psychological assessment & therapy to address depression, anxiety, interpersonal difficulties, health concerns, adjustment, retirement, caregiving, grief, etc.
    • Formats include: individual, couples, family, and group

• Neuropsychological Assessment Center
  – Comprehensive assessment of neurological function, including disorders of the central nervous system.
  – Services:
    • Assessment, diagnosis, prognosis, and recommendations
    • Consultation with primary care,
    • neurologists, and
    • other health care professionals

• Location:
  – Davie
Rehabilitation Services

- Physical therapy services for all ages and Occupational Therapy services for children.

- Service Offered:
  - Physical therapy
  - Pediatric Occupational Therapy
  - Neuromuscular Coordination
  - Treatment of Movement disorders such as Parkinson’s Disease and Multiple Sclerosis
  - Exercise group for Parkinson’s patients

- Location:
  - Davie
Speech, Language and Communications Clinic

• Evaluation and treatment for speech, language, and communication delays and disorders.

• Services:
  – Evaluation and treatment plans
  – Articulation, phonics, and accent modification assistance
  – Developmental and organic communicative/language disorders
  – Congenital and disease-related concerns with speech disorders
  – Feeding and swallowing diagnosis and care

• Location:
  – Davie
Interdisciplinary Fall Prevention Clinic

• FREE Interdisciplinary team approach to evaluation of fall-related risk factors. Patient leaves with comprehensive report and recommendations to bring to his/her physician for follow-up and care.

• Team disciplines:
  – Audiology
  – Geriatric Medicine
  – Occupational Therapy
  – Optometry
  – Pharmacy
  – Physical Therapy
  – Psychology

• Location:
  – Davie
Parkinson’s Disease Support Services

• **PD Support Group**
  - Monthly *Support* group for patients and caregivers
  - Monthly *Transitions* support group for bereaved former PD caregivers
  - Monthly *Caregiver* support group for PD caregivers

• **PD Exercise Group**
  - Twice weekly exercise program for PD patients

• **PD Speech Therapy Group**
  - Weekly group program to help PD patients with voice and swallowing issues

• **Location:**
  - Davie
Lifelong Learning Institute

• University level classes and fitness classes. Serving the learning interests and needs of the growing experienced older adult and retirement community in Broward County. Members learn from renowned NSU faculty members, exciting peer leaders, and prominent visiting experts in such fields as humanities, sciences, health and government.

• Services:
  – Lectures
  – Workshops
  – Discussion groups
  – Field trips
  – Fitness classes

• Location:
  • Davie

Class topics include:

- cultural studies
- history
- music appreciation
- art
- world literature
- politics
- health-related subjects
- writing workshops
- Great Books discussion series
- book reviews
NSU Boomers & Beyond

• Annual health and wellness expo for people ages 40+

• NSU partners with organizations to promote healthy aging and wellness, and to showcase the breadth and variety of services and resources available in south Florida.
  – Major sponsors have included: BlueCross BlueShield Florida, Walgreens, Broward Health, Memorial Healthcare
  – Opportunities to be a sponsor and/or exhibitor.

• Activities include:
  – Health Screenings & Information
  – Lectures
  – Prizes, Giveaways, etc.
  – Music
  – Food
NSU Boomers & Beyond

- Formal Lectures
- Head and Neck Screenings
- Oral Health Instruction
The Florida Coastal Geriatric Resources, Education, and Training Center (GREAT GEC), located within Nova Southeastern University, is one of a national network of 46 Geriatric Education Centers in the U.S.A.

- Funded by the U.S. Department of Health and Human Services - Health Resources and Services Administration (HRSA) 2007
- Consortium Partners: NSU, Broward Aging & Disability Resources Center, Pembroke Pines SW Focal Point Senior Center, WPB Dept Veteran Affairs Medical Center, Jesse Trice Community Health Center, & Lee Memorial Geriatric Services (Fort Myers)
- GEC is dedicated to improving the health care of Florida elders through the education and training of health care providers.
- GREAT GEC Symposium: Closing the Gap in Eldercare – March 2011
GEC Discipline Head Meeting
• Interdisciplinary Geriatric Course Curriculum:
  – Available on line 2008

• Online Course: An Interprofessional Introduction to Geriatrics and Gerontology
  – http://www.nova.edu/gec
GEC Dental Medicine
Geriatric Core Courses

Course Objectives:
Upon completion of this course the student should be familiar with:

1) The changing demographics of the elderly in the United States and the impact on health care.

2) The unique problems confronting today’s geriatric population with regard to medical, psychological, social, pharmacological, financial, and cultural needs.

3) The unique oral and dental problems confronting the dental practitioner when treating people of advanced years.

4) The physiologic changes seen throughout the aging process

5) Establishing an individualized protocol for prevention and maintenance of the oral environment.
GEC Dental Medicine
Geriatric Core Courses

Course Objectives:
Upon completion of this course the student should be familiar with:

6) The significant differences between the dentition of a young adult and an older adult individual.

7) The soft tissue and mucosal changes commonly associated with the aging adult

8) The unique technical challenges which may be faced when providing all phases of dental care to the aging adult.

9) The information provided throughout the lecture series in order to develop comprehensive, individualized treatment plans within the limitations of the older person’s medical, psychological, social, pharmacological, and financial history.
GEC Dental Medicine
Geriatric Core Courses

• 6 PowerPoint lectures
  – Introduction to Geriatric Dentistry
  – Nursing Home and Geriatric Assessment
  – Physiologic Changes in the Aging Population
  – Nutrition in the Aging Population
  – Patients with CNS and Neurologic Disorders
  – Geriatric Orofacial Pain
GEC Symposium: Closing the Gap in Elder Care
Interdisciplinary Geriatric Journal Club

• Fall 2009

• Goals:
  – Create a forum for sharing ideas about cutting-edge clinical practice between disciplines.
  – to stimulate interdisciplinary dialogue and understanding.

• Disciplines take turns selecting and presenting an article, and articles are selected from peer-refereed journals based on their clinical relevance, quality, and timeliness.

• Bimonthly
Interdisciplinary Geriatric Journal Club

1st
- Thursday, Sept 24, 2009@ 7:15am
- Dr. Mary Blackinton – CPT
  - Falls in the Medicare Population: Incidence, Associated Factors, and Impact on Health Care
    - Anne Shumway-Cook, Marcia A Ciol, Jeanne Hoffman, Brian J Dudgeon

2nd
- Dr. Kenya Rivas – COM
  - Interpreting Fear of Falling in the Elderly: What Do We Need to Consider?

3rd
- Dr. Diane Ede-Nichols - CDM
  - Association of Periodontal Parameters With Metabolic Level and Systemic Inflammatory Markers in Patients With Type 2 Diabetes
    - Lei Chen,* Bihong Wei,* Jing Li,* Fang Liu,* Dongying Xuan,* Baoyi Xie,* and Jincai Zhang*
    - J Periodontol • March 2010
Ginkgo biloba for Preventing Cognitive Decline in Older Adults: A Randomized Trial

Beth E. Snitz; Ellen S. O’Meara; Michelle C. Carlson; et al.

http://jama.ama-assn.org/cgi/content/full/302/24/2663

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| In Reply: |
HPD Interdisciplinary Grand Rounds

• Primarily for Health Care Educators

• Titles:
  – “Collaborating for Graceful Aging”
    September 2010
    • Dr. Diane Ede-Nichols - CDM
    • Dr. Cecilia Rokusek - COM
  – “Care of the Frail Elderly”
    February 11, 2011
    • Dr. Carrigan Parish - CDM
    • Dr. Naushira Pandya - COM
25th World Congress of the Czechoslovak Society of Arts And Sciences

KOH-I-Noor Pencil Factory Check Republic
Geriatric Medicine Clinic

- Rotations began Winter 2010
- AEGD 2 Special Care Residents
- 4 days in Geriatric Medicine Clinic
- Exchange of discipline based health care information and procedures
GM Rotation: Typical Day

- Review medical charts
- Observe medical clinical exam
- Provide head and neck examination
- Q&A
- Referrals
GM Rotation:
Mini-Survey
Likert Scale for GM Rotation

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<td>The patients benefited from my presence. (100%)</td>
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<td>The medical team benefited from my presence. (75%)</td>
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Interprofessional Geriatric Links Summary

- Optometry
- Geriatric Medicine Clinic
- Pharmacy
- Lifelong Learning Institute
- Nursing
- Parkinson’s Disease Support Clinic
- Interdisciplinary Journal Club
- The Great GEC
- Boomers & Beyond

College of Dental Medicine
Many Thanks To

AEGD 2 Residents

- Dr. Huda Aljonaïdy
- Dr. Evelyn Arellano
- Dr. Alejandra Yanez Bravo
- Dr. Silvia Casa
Questions???