The importance of geriatric dentistry in the context of gerontology: home care and hospital services - the reality of a service in Brazil

Alexandre Franco Miranda
Theme:

Improving Health and Health Care Services for the Elderly

- Oral health in patients with Alzheimer’s
  - Advanced stages of Alzheimer’s
- Home care and Hospital services
  - Gerontology and Dentistry
- No conflicts of interest;

- All images have been authorized by signing an informed consent;

- All images used have the technical and scientific purpose;

- Experience of more than 10 years dedicated to home and hospital dental care (ICU and surgical center) in patients with Alzheimer's disease for health and quality of life – **GERONTOLOGY**;
The present study, **EXPERIENCE REPORT**, aims to address the behaviors, clinical techniques, management, adaptation and evaluation of the knowledge of health professionals about the appropriateness of the oral environment conducted in patients suffering from neurodegenerative diseases (Alzheimer's) in Brasilia, Brazil.
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* Health promotion
* Quality of life
* Biopsychosocial interference
* Family participation
* Interdisciplinary planning

Alzheimer’s disease

Oral health
Dentist

Gerontology context

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Age pyramidal

Data: Brazilian Institute of Geography and Statistics
www.ibge.gov.br

LAST DEMOGRAPHY C SENSE, 2010

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Brazil

Epidemiology

Increased life expectancy (average): 73 years

Men - 69 years
Women - 77 years

2025: 2 children / 6 old people

2050: 1 child / 5 old people

Data: Brazilian Institute of Geography and Statistics  
www.ibge.gov.br  
LAST DEMOGRAPHYC SENSE, 2010
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Aging in Brazil

* Increased number of specific diseases;

* Need for multidisciplinary action (health professionals and FAMILY);

* Increase in public financial support (social programs, health, ...);

* Training, professional skills and differentiation (Geriatric dentistry) - NEED OF BRAZIL

Especially home and hospital fragile elderly

ALZHEIMER’S DISEASE
Geriatrics and Gerontology Interactions

- Vascular (brain) diseases
  - Heart Diseases
  - Pulmonary Diseases
    - Diabetes
    - Cancer
    - Osteoporosis
    - Alzheimer's
    - Vascular Dementia
    - Parkinson
    - Rheumatoid Arthritis
    - Orofacial Pain

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Geriatrics and Gerontology Interactions

ALZHEIMER’S DISEASE

2004

2009

2014

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Home dentistry

“Adaptation of the dentist to the context and reality of the frail elderly patient”

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The proper treatment planning is of great importance because only the essential procedures should be performed at the individual residence - elimination of inflammatory processes, infections and pain.

THE GERONTOLOGY PLANNING WITH OTHER HEALTH PROFESSIONALS AND FAMILY PATIENT IS VERY IMPORTANT
Home dentistry

Restoration – Adequacy of the oral cavity

Training of family members and caregivers to promote oral health; Adaptation

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Hospital dentistry

“The importance of elderly oral health in hospital”

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"... elderly patients have a higher prevalence of hospital admissions due to pulmonary problems (PNEUMONIA) and require specific care...."

Terpenning et al., 2001; Benatti & Montenegro, 2010

"... severe patients, intubated and mechanically ventilated at higher risk of lung infection..."

Mojon, 2002; Oliveira et al., 2007
Home and Hospital dentistry

ALZHEIMER'S DISEASE

The difficulty for the promotion of oral health

Patients in advanced stages of Alzheimer's disease are not employees and depends on other professionals to promote oral health - there is a lack of professional training to assist these patients.

Friedlander, 2006; Miranda et, al, 2010
Home and Hospital dentistry

ALZHEIMER’S DISEASE

The difficulty for the promotion of oral health

Intensive Care Unit

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Home and Hospital dentistry

ALZHEIMER’S DISEASE

The difficulty for the promotion of oral health

“Auxiliary means”
“Facilitators” to access the oral cavity

Professional ability
Correct use
Home and Hospital dentistry

ALZHEIMER'S DISEASE

The difficulty for the promotion of oral health

“Auxiliary means”
“Facilitators” to access to the oral cavity

Home care

Intensive Care Unit

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**ALZHEIMER´S DISEASE**

The difficulty for the promotion of oral health

CASE 1
Home and Hospital dentistry

ALZHEIMER’S DISEASE

The difficulty for the promotion of oral health
Home and Hospital dentistry

ALZHEIMER’S DISEASE

The difficulty for the promotion of oral health

CASE 2

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**ALZHEIMER´S DISEASE**

The difficulty for the promotion of oral health

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The importance of geriatric dentistry in the context of gerontology: home care and hospital services – QUALITY OF LIFE

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Conclusions

* Need for a higher number of trained dentists for these types of calls with an interdisciplinary planning;

* Need for greater integration of oral health into the context of geriatrics and gerontology;

* Need for more scientific articles on this topic;

* Greater disclosure of such health assistance to frail elderly with Alzheimer's;

* Geriatric dentistry is important to the elderly patients health and quality of life with essential services that exist in all the world.
Thank you so much!
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Alexandre Franco Miranda
Coordinator and Professor of Geriatric Dentistry, Special Patients (Special Groups) and Clinical Dentistry for Special Patients
Catholic University of Brasilia (UCB), Brazil

Home and Hospital services in Dentistry (Surgical center / Intensive Care Unit)

Specialist in Gerontology
Brazilian Society of Geriatrics and Gerontology

+ 55 61 81369896
+ 55 61 33569612
+ 55 61 30376530
alexandrefmiranda@hotmail.com