



### Oral health & general health





#### **Overview**

- What is 'Senior Smiles'
  - OUR responsibilities
  - YOUR responsibilities
- How oral health impacts on general health
- Identifying oral health conditions





#### What is Senior Smiles?

- Preventive oral health model of care
- Designed specifically for the RACF environment
- Translational research developed by A/Prof Janet Wallace & the Oral Health team at The University of Newcastle
- Onsite oral health practitioner
- Duty of care to residents
- Oral health support and education
- Multi-disciplinary approach to person centred care



For Senior Smiles to work effectively to improve our residents care - WE MUST WORK TOGETHER!







### How does Senior Smiles work within our RACF?

### The Senior Smiles Oral Health Practitioner Roles and Responsibilities

- Be guided by nursing and care staff regarding residents that need urgent oral health care
- 2. Conduct oral health risk assessments
- 3. Use the findings to develop oral health care plans to implement into daily cares for all residents
- 4. Advocate and refer residents for dental treatment when necessary
- 5. Conduct Education for: Staff, Residents, Carers
- 6. Assist to develop policies and procedures to address oral health management within your RACF





### How does Senior Smiles work within our RACF?

### Nursing, Care staff and Management role and responsibilities

- Be aware of what is considered to be "Good oral health"
- 2. Be able to identify possible oral health issues to the Senior Smiles OHP
- 3. Work with the Senior Smiles OHP to implement oral health care plans into daily personal care
- 4. Be accountable for your residents mouth care
- 5. Notice and report changes
- 6. Participate in oral health education





# Understanding the impact of poor oral health on general health

- Pain and infection
- Poor Quality of life
- Negative self image and negative impacts on psycho-social wellbeing
- Inability to eat and enjoy food
- Poor nutrition
- Weight-loss
- Increased risk of pressure injuries and detrimental effects on skin integrity
- Risk of systemic infection
- Risk of aspiration pneumonia
- Diabetes
- Heart disease

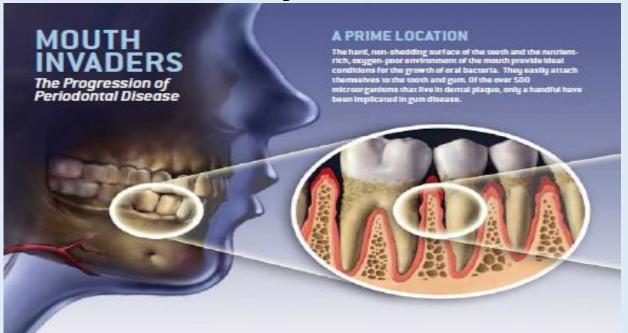
.....and the list goes on





#### Did you know....?

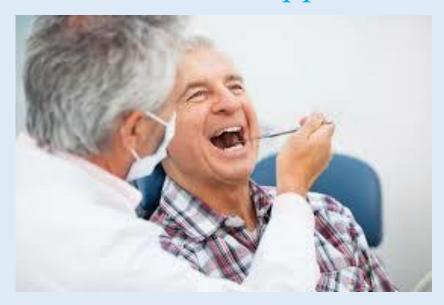
"There are more bugs in your mouth than the total human population on the planet" Promo for SBS Program "Secrets of the Human Body" March 2014







# It is our <u>"duty of care"</u> to ensure we give our residents the best possible opportunity for health, comfort and happiness!

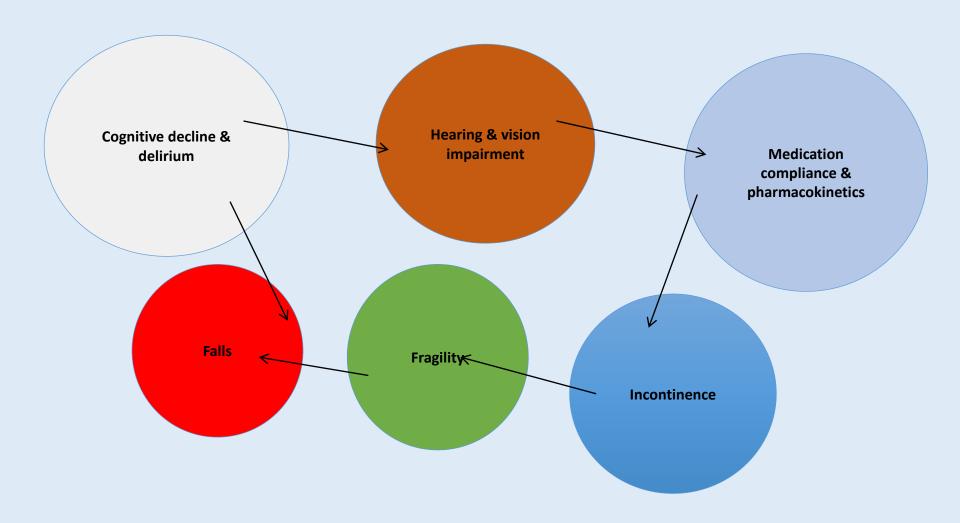


This includes providing optimum ORAL HEALTH CARE





#### Geriatric Giants



#### **Healthy Gingiva**

Tip of interdental papillapart of free gingiva Scalloped free gingival margin Interdental papilla **Attached** gingiva Muco-gingival junction Alveolar mucosa



Interdental papillae. Triangular.

Apex is part of the free gingiva, base is composed of attached gingiva

#### **Healthy** and <u>diseased</u> gingiva





Healthy gingiva

Severe chronic gingivitis





#### **Healthy and diseased gingiva**

| Characteristic | Healthy                     | Diseased                              |
|----------------|-----------------------------|---------------------------------------|
| Colour         | Pink (Only in Caucasians)   | Red, bluish-red, purple               |
| Texture        | Firm                        | Soft, 'spongy' or very firm; fibrotic |
| Contour        | Scalloped                   | Loss of outline                       |
| Margin         | Knife-edged                 | Rolled or blunt                       |
| Surface        | Keratinised, stippled (40%) | Homogenous and smooth                 |





# Characteristics of Gingivitis – Signs and Symptoms

• Change in colour: Gingiva becomes more red (erythematous), and may later become more purple (cyanotic) in chronic disease

• Change in contour: Gingiva becomes enlarged (hyperplastic), margins become more rolled, papillae may become blunted, Normal scalloping no longer evident. Recession occurs if attachment is lost

• Change in consistency: Gingiva becomes softer, fluid filled (oedematous) or in chronic cases becomes thickened (fibrotic)





## Characteristics of Gingivitis – Signs and Symptoms

• Change in texture: Surface becomes more homogenous, smooth and shiny, surface detail such as stippling is lost

**Bleeding:** when eating or brushing

 Bad breath: Halitosis. Delicate subject. Patient concern about it as a possibility may be a good motivational tool





#### **Diabetes associated gingivitis**







#### Calculus







#### **Calculus**







#### **Generalised Recession**







#### **Periodontitis – Signs and Symptoms**

#### **Characteristics of Periodontitis**

- Change in colour: Gingiva becomes bright red (erythematous), purplish (cyanotic) in chronic disease
- Change in contour: Gingiva recedes from teeth, making them look longer
- Change in consistency: Spaces develop between teeth, mobility occurs. Pus between teeth and gingiva. Bad breath, bad taste in the mouth



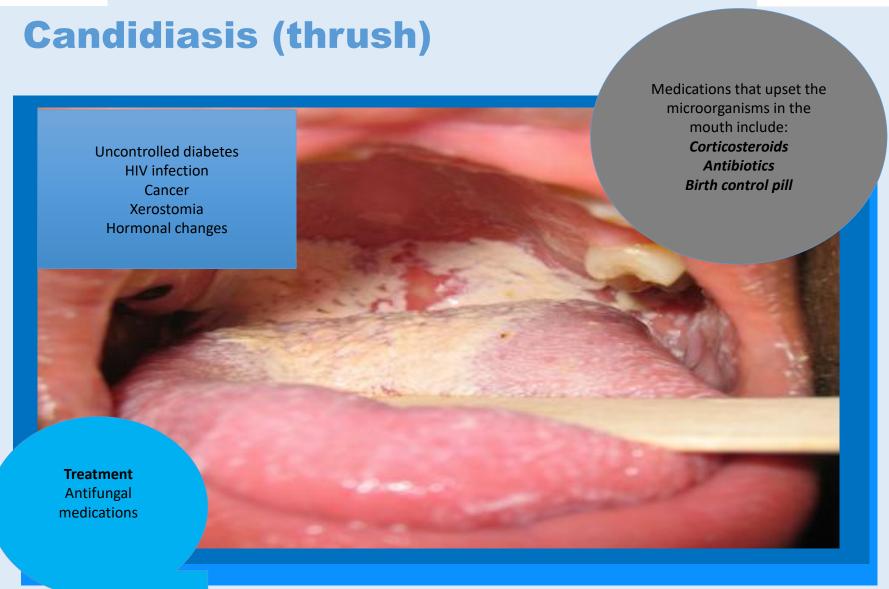


# Other common oral health conditions of the elderly

- Candidiasis (thrush)
- Ulcers
- Denture stomatitis
- Angular Cheilitis
- Xerostomia (dry mouth)
- Acute Necrotic Ulcerative Gingivitis (ANUG)
- Oral cancers











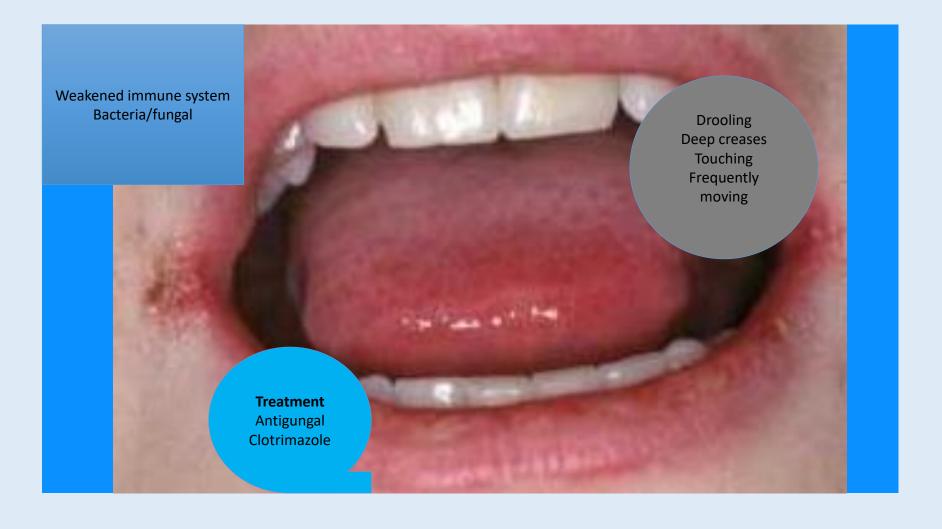
#### **Denture stomatitis**







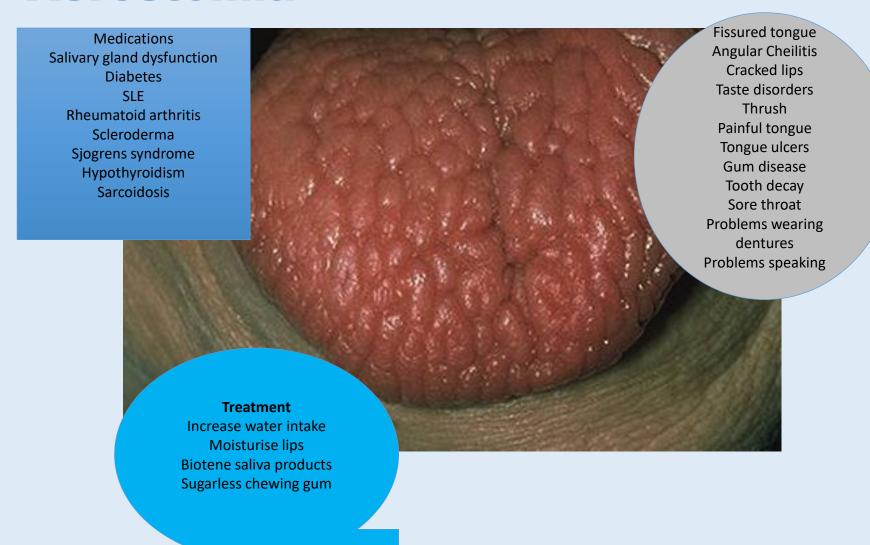
#### **Angular Cheilitis**







#### **Xerostomia**







# Some drugs which can affect saliva flow

- Antiarrhytmics
- Anticholinergics
- Antiparkinsonians
- Adrenergic
- Anticonvulsants
- Antidepressants
- Antipsychotics
- Antihistamines
- Caffeine

- Antihypertensives
- Benzodiazepines
- Antiemetics
- Muscle relaxants
- Opioids
- Cardiac glycosides
- Diuretics
- Narcotics
- Statins





#### **ANUG**







#### **Oral cancer**







#### **Complications of xerostomia**

- Hoarseness and speech difficulties may lead to increased use of acidic sweets, peppermints, cough lozenges or fruit juices between meals and at night
- Difficulty with swallowing leads to the choice of a softer, more easily swallowed diet. These low fibre diets provide less salivary stimulation, and as they are easily digested lead to increased snacking
- If low fibre results in constipation, use of laxatives can contribute to dehydration, which may lead to excessive thirst, electrolyte imbalance and reduced salivary secretion





#### **Oral health management**

- Individual oral health risk assessments
- Individual oral health plans
- Fluoride therapies
- Antifungal and antibacterial treatments
- Regular brushing
- Denture cleaning
- Management of xerostomia
- Referrals
- Dental check –ups







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