Ultimate Oral Health
Xerostomia – The Facts:

- Up to 1 in 4 adult patients suffer with Xerostomia⁴
- Xerostomia affects approximately more than 90% of advanced cancer patients⁵,¹⁵
- Described as an orphan topic in supportive care, Xerostomia was recently found to be the 4th most distressing symptom in advanced cancer⁷

Impact of Dry Mouth on Oral Health and QoL

- Oral and pharyngeal cancer is the sixth most common malignancy reported worldwide⁵,⁹
- Xerostomia is a common oral problem in advanced cancer and following chemotherapy or head & neck radiotherapy/surgery.⁷
- 93% suffer xerostomia with little chance of recuperation¹⁵
- 77% of hospice in-patients have xerostomia¹³
- 65% suffer moderate to severe xerostomia (Grades 2 and 3)¹⁵
- Oral Candidiasis is the most frequently occurring infection in cancer patients¹¹
- Dysphagia is a common complication of oral cancer treatment⁵,¹²,¹⁴
- Ulcerative oral Mucositis occurs in approximately 40% of patients receiving chemotherapy.⁹,¹²

QOL effects:
Worry 64%. Tension 61%. Depression 44%.¹⁵

Effects of Dry Mouth²,³,⁴,⁸,²³

<table>
<thead>
<tr>
<th>Physical</th>
<th>Psychological</th>
<th>Reduced quality of life</th>
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<tr>
<td>Constant need for moisture</td>
<td>Distressing</td>
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<td>Bad breath</td>
<td>Embarrassing</td>
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<td>Altered taste</td>
<td>Inconvenient</td>
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<td>Burning tongue</td>
<td>Antisocial</td>
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<td>Caries and tooth loss</td>
<td>Undignified</td>
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<td>Gum inflammation and disease</td>
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<td>Pain and discomfort</td>
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<td>Digestive problems</td>
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<td>Problems with dentures</td>
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<td>Malnutrition</td>
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BioXtra - Special Oral Care Programme for the Treatment of Xerostomia

| For Moisture and Comfort | Moisturising Gel
| Gel Mouthspray |
| For Daily Oral Hygiene | Mild Toothpaste
| Alcohol-free Mouthrinse |
| For Saliva Stimulation | Sugar-free Chewing Gum
| Sucking Tablets |

**Unique Active Formulation**
Clinically Proven to Relieve the Symptoms and Effects of Xerostomia within 14 Days.¹,¹⁷

**Patented Formulation**
- Lactoferrin
- Lactoperoxidase System
- Lysozyme
- Colostrum Extract
- Antimicrobial Salivary Protein
- Hypothiocyanite
- Antimicrobial Salivary Enzyme
- Immunoglobulins
- Growth Factors

**BioXtra’s Other Active Ingredients**
- **Moisturisers**: rapid, long-lasting comfort
- **Xylitol**: anti-tooth decay agent
- **Fluoride**: anti-tooth decay, strengthens enamel
- **Calcium and Phosphate**: remineralising agents
Evidence Based Therapeutic Relief

Clinically proven efficacy, compliance and preference.¹,¹⁶,¹⁷,¹⁸,¹⁹,²¹

A double-blind crossover study of Biotene Oralbalance and bioXtra systems as salivary substitutes in patients with post-radiotherapy xerostomia.
Shahdad et al. Eur J Cancer Care 14, 319-326.2005

Double blind Crossover Study

Superiority over Biotene-Oralbalance demonstrated in six important areas:

- Improvement in:
  - Dry Mouth
  - Chewing
  - Speech
  - Taste
  - Burning mouth
  - Quality of Life

Within days BioXtra significantly improves the distressing symptoms of xerostomia
Simple, Effective Mouth Comfort and Special Oral Hygiene for Your Patients
1,16,17,18,19,21

The BioXtra Oral Care Programme is recommended and prescribed by dental and medical
clinicians and indicated for patients suffering from the symptoms and effects of Xerostomia.

Reasons to prescribe BioXtra
+ Encourages patient compliance and improves quality of life.1,17
+ Relieves oral dryness rapidly and durably.1,17
+ Improves mouth function, comfort and freshness.1,17,19,22
+ Reduces inflammation and bleeding gums21
+ Delivers saliva-like feel and action16,18,19,20,21
+ Regulates pH and inhibits plaque-forming (biofilm)acid16,19,21
+ Helps guard against yeasts, viruses and bacteria16,18
+ Easy to use and gentle on the mouth1,17
+ Does not interact with other medications22

For rapid, prolonged comfort1,17
Prescribe and recommend:

• Bioxtra Moisturising Gel
  According to severity of dryness, apply the gel liberally to gums or under dentures. Repeat as often as necessary. The gel is particularly recommended for night-time application. Close cap after use.

• Bioxtra Gel MouthSpray
  Spray liberally into the mouth as often as required. Repeat as often as necessary. The spray is recommended for use primarily during the day. Close cap after use.
For special oral hygiene\textsuperscript{16,17,19,21}
Prescribe and recommend:

- **BioXtra Mild Toothpaste**
  Using approximately 1g brush teeth at least twice daily, preferably after meals. Close cap after use.

- **Bioxtra Alcohol-Free Mouthrinse**
  Using approximately 10 ml. rinse for 30 seconds after brushing, before spitting out. No need to rinse with water. Use regularly throughout the day for improved comfort and freshness. Close cap after use.

For saliva stimulation
Recommend:

- **BioXtra Sugar-free Chewing Gum**
  Chew one piece to stimulate the flow of natural saliva. Where tooth brushing is not possible, chew a piece of gum after mealtimes.

- **BioXtra Sucking Tablets**
  Suck one tablet whenever desired to stimulate natural saliva. Can be used to assist oral hygiene where brushing is not possible.

Who to contact

The BioXtra range of products are available from:

Quench Pharma Ltd.
5, The Hermitage • Arlesey, Beds • SG15 6XF
Tel: 01462 835612 • Fax: 01462 734276
info@quenchpharma.com