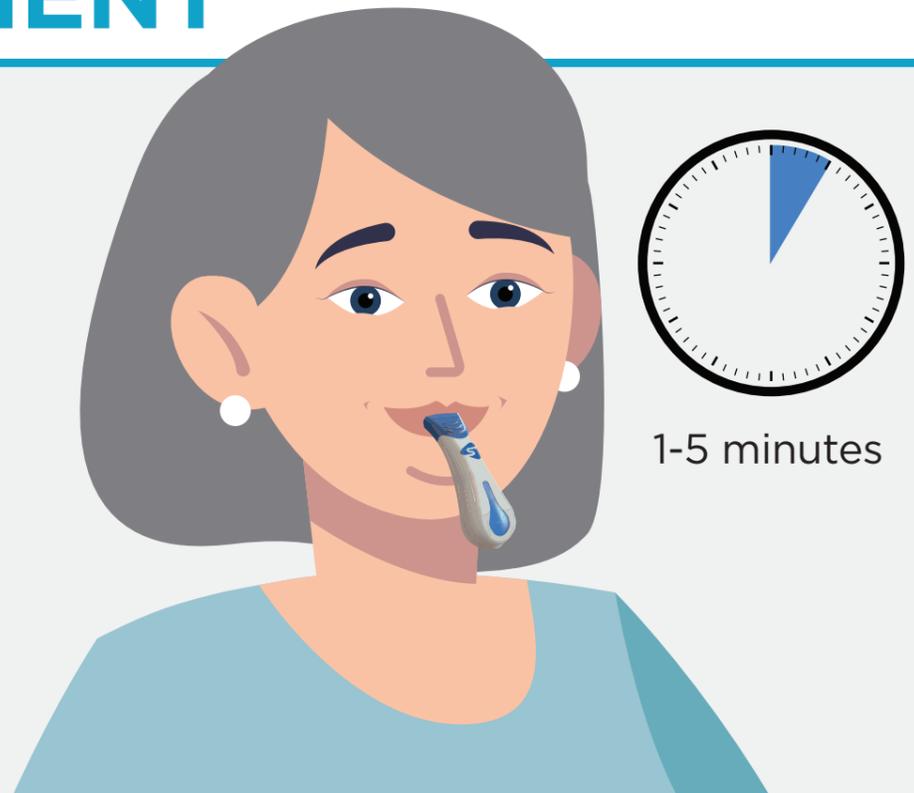


DRY MOUTH TREATMENT

Dry mouth (or xerostomia) is a chronic and mostly irreversible condition. It affects significantly the quality of life and hampers chewing, swallowing and speaking, causes bad breath and sleep disturbance and the teeth are susceptible to a high decay rate.

Saliwell has developed a technological solution for the treatment of xerostomia using electrostimulation of the salivary gland nerves.

The **SaliPen** device is a patented “one size fits all” product with an embedded electronic module that is worn typically for only a few minutes every day.



1-5 minutes



As opposed to currently available treatments, **SaliPen** is characterized by **long-lasting and robust beneficial effects, no side effects and low costs.**

As shown in the left picture, SaliPen has two flexible arms that are placed in the mouth. The arms contact the inner gums of the lower wisdom teeth, underneath the tongue. The rest of the device stays outside the mouth.

The device treats dry mouth by intraoral electrostimulation of low-intensity and that is not felt by the patient. The electrostimulation is delivered by the tips of the arms to the nerves that control the salivary gland activity, causing salivary glands to produce more saliva. When more saliva is produced, the dry mouth sensation declines.

A worldwide trial in 14 clinical centers showed significant improvement in oral wetness. SaliPen is approved by FDA (USA) and TGA (Australia) and the manufacturer, Saliwell Ltd., is ISO 13485:2016 certified.



Selected publications

- Wolff A et al. Electrostimulation of the lingual nerve by an intraoral device may lead to salivary gland regeneration: A case series study. *Med Oral Patol Oral Cir Bucal*, 2018; 23(5):e552-e559
- Zadik Y et al. Safety and efficacy of an intra-oral electrostimulator for the relief of dry mouth in patients with chronic graft versus host disease: Case Series. *Med Oral Patol Oral Cir Bucal*, 2014; 19: e212-219
- Alajbeg I et al. Intraoral electrostimulator for xerostomia relief: A long-term, multicenter, open-label, uncontrolled, clinical trial. *Oral surg oral med oral pathol oral radiol*, 2012;113:773-781
- Strietzel FP et al. Efficacy and safety of an intraoral electrostimulation device for xerostomia relief: A multicenter randomized trial. *Arthritis & rheumatism* 2011;63:180-190
- Smidt A et al. Implant-supported electro-stimulating device to treat xerostomia: A preliminary study. *Clin implant dent relat Res* 2010;12:62-71
- Fedele S et al. Neuro-electrostimulation in the treatment of hyposalivation and xerostomia in Sjögren's syndrome: a salivary pacemaker. *J Rheumatol* 2008;35:1489-1494
- Strietzel FP et al. Electrostimulating device in the management of xerostomia. *Oral Diseases* 2007;13:206-213