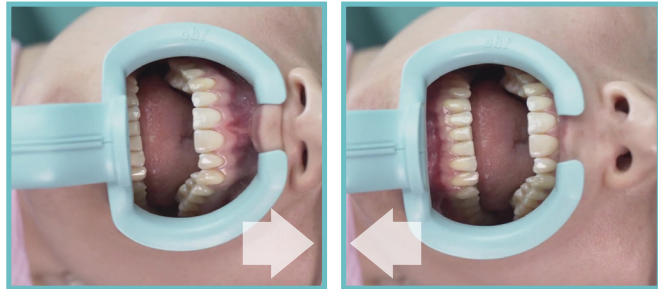


One-hand access to all 4 quadrants



OBF puts an end to years of unsafe conditions

Our aim is to eliminate the risk of infection for oral health professionals and their patients whenever they are involved in a dental procedure where aerosols are expelled from the patient's mouth.

OBF attacks the problem from the source, from the peribuccal area where they are generated, blocking the dispersion of the aerosols that are aspirated.

Sales formats

✓ SINGLE USE

BOX **40** UNITS

PACK **120** UNITS

✓ REUSABLE*

BOX **100** USES

PACK **300** USES

**Sterilisable white mouth splint*

Start differentiating yourself from other clinics,
by offering confidence and safety to your patients
with Oral BioFilter.



+34 972 526 169



Pol. Empordà Internacional
17469 · Vilamalla (Girona) · SPAIN



www.oralbiofilter.com



Videos OBF



NEW

- ✓ Sterilisable
- ✓ Softer
- ✓ Better adaptation

obf

Oral BioFilter

The only peribuccal system with a

certified 98.4% guaranteed effectiveness

in eliminating cross-contamination within the dental cubicle



Marketing&Communication-OBF-Triptico-EN



Our unique and patented technology is based on three features that ensure the health of your patients and your team.

Did you know that, under the right conditions, **just 1 drop** of contaminated saliva in your dental practice **could infect 24 patients in a single day?**

One drop of saliva can contain up to **600,000 bacteria.**

✓ **ADJUSTS TO YOUR PATIENT'S MOUTH**

Its carefully-studied design as a mouth opener helps to keep the patient's mouth open in a relaxing way.

When placed in the peribuccal area, it creates an air curtain that prevents aerosols, droplets and micro-droplets from leaving the patient's mouth.

✓ **GUARANTEED HEALTH AND SAFETY**

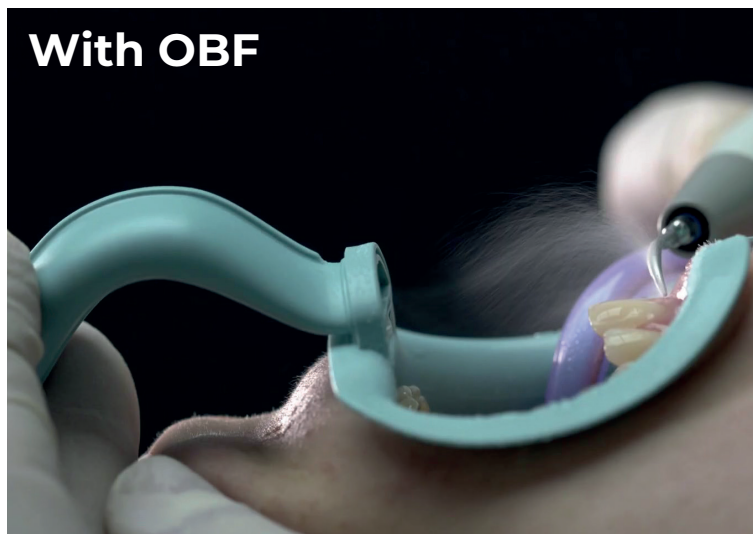
It is made of medical-grade polymers and licensed by a healthcare manufacturer, so safety and hygiene are guaranteed, as it is a material suitable for contact with the patient's mouth. (FDA Approved Class 1 CE certification.)

✓ **READY TO USE**

It is manufactured in a clean room, so it is ready to use. It requires no investment nor maintenance, such as filter changes, because once the mouth splint is used, it is sterilised and can be used again. Connects to the surgical aspirator on the dental chair.



Without OBF



With OBF

Dentists work daily in an environment exposed to micro-droplets and aerosols expelled from patients' mouths. These microdroplets and aerosols carry with them pathogens that can infect everyone in the dental cubicle, not only at the moment of expulsion.

More than 7 highly contagious diseases are transmitted by aerosols, such as tuberculosis, chicken pox, influenza or Covid.

Clinical studies carried out at the University of Barcelona consider it 98.4% effectiveness.



Peer-reviewed article 2021-05-15 Original Article 1

Perioral Aerosol Sequestration Suction Device Effectively Reduces Biological Cross-Contamination in Dental Procedures

Victor Llorens¹ Maria Laura Gouveia^{2*} Vicente Lozano-de Luaces³ Maria Cristina Manzanares⁴

¹ Institute of Health Sciences, Faculty of Medicine, University of Barcelona, Spain; ² Institute of Health Sciences, Faculty of Medicine, University of Barcelona, Spain; ³ Institute of Health Sciences, Faculty of Medicine, University of Barcelona, Spain; ⁴ Institute of Health Sciences, Faculty of Medicine, University of Barcelona, Spain

Abstract The reduction risk during dental procedures is a concern because for dental professionals which has increased due to contamination (acute respiratory syndrome coronavirus 2 pandemic). The development of devices to specifically mitigate cross-contamination by droplets/aerosols is vital to stop infection transmission. The objective of this study is to assess the effectiveness of a perioral suction device (PeriOBF, OBF) to reduce biological contamination spread during dental procedures.

Materials and Methods: Thirty patients were underwent T1 to a standard professional dental hygiene treatment with OBF and without. Adenosine triphosphatase (ATP) bioluminescence assay was used to evaluate the spread of potential contaminants. The total number of relative light units (RLU) from key dental operator locations: operator, hand, mouth, back of the surgical operator, operator's safety goggles, and instrumented table were measured. Percentage contamination reduction between control and OBF were compared.

Statistical Analysis: Primary outcome, total RLU, was analyzed by comparing the means of RLU of each site using a two-tailed two-sample t-test. Secondary outcomes as RLU of RLU of RLU for the different locations were analyzed in the same way. Proportion of patients from whom different locations reported events (leak, acceptable, and failure) were analyzed by using Fisher's exact test.

Results: For the whole dental environment, RLU reduction (1750 units) achieved with OBF was 98.4% (p < 0.001). By dental operator location the reduction in RLU

Keywords: dental, ATP bioluminescence measurements, cross-contamination, infection disease transmission, oral health, COVID-2

← Access to the study. Source NCBI: National Center for Biotechnology Information