

Two-way SS-suction



Inventors

Assoc. Prof. Dr. Songchai Thitasomakul
Assoc. Prof. Dr. Sukanya Tianviwat
Faculty of Dentistry, Prince of Songkla University

Design Concept

- Controls moisture
- Reduces dispersion of droplet and aerosol
- Easy to use and clean
- Can be operated by one person
- Affordable and reusable

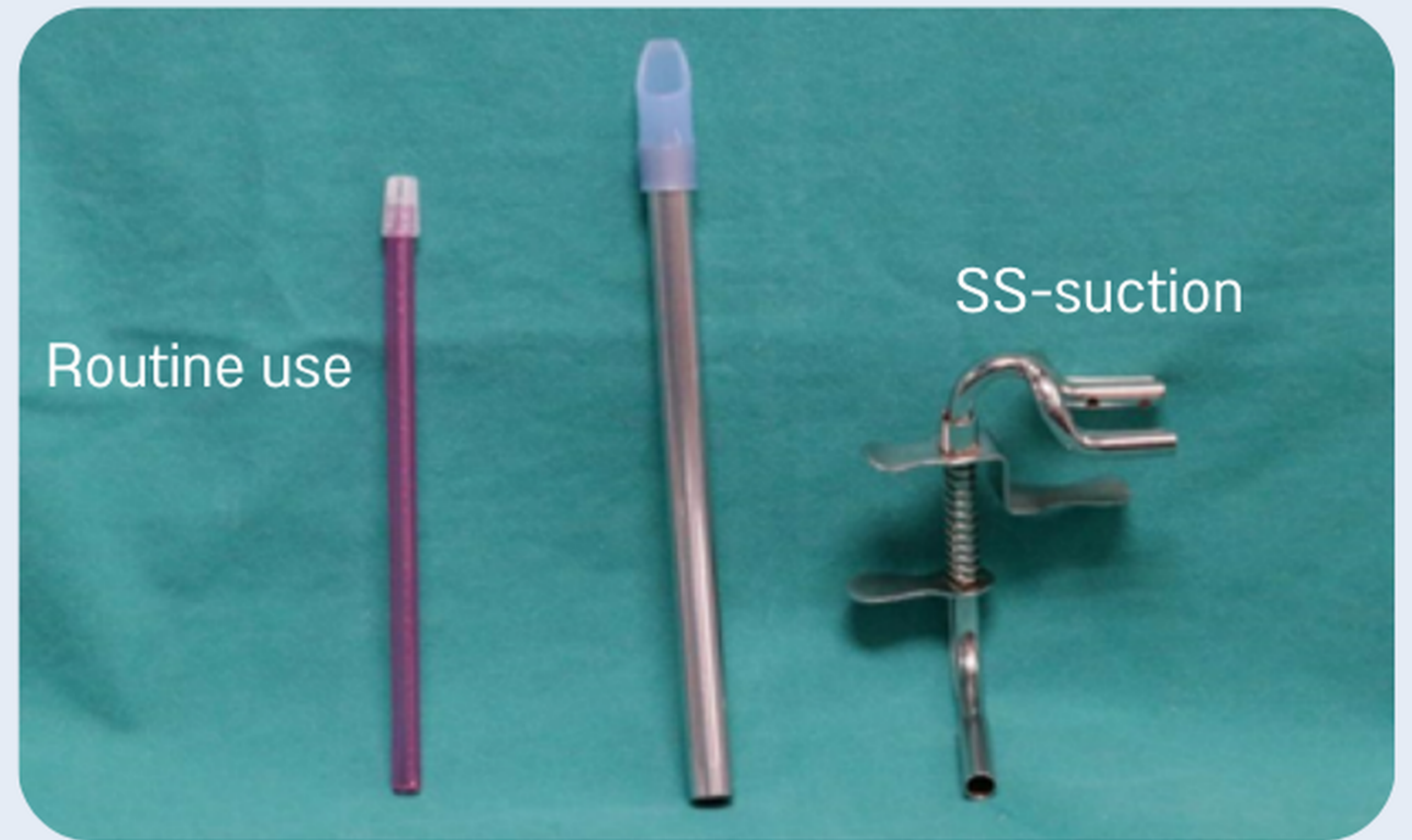
Background and Significance

To support dental procedures both in situations where there is a shortage of dental assistants and when dental assistants are available. This also helps reduce the risk of aerosol dispersion, which is crucial for minimizing the spread of pathogens within the treatment environment.

Suction in dental practice

Routine use

SS-suction



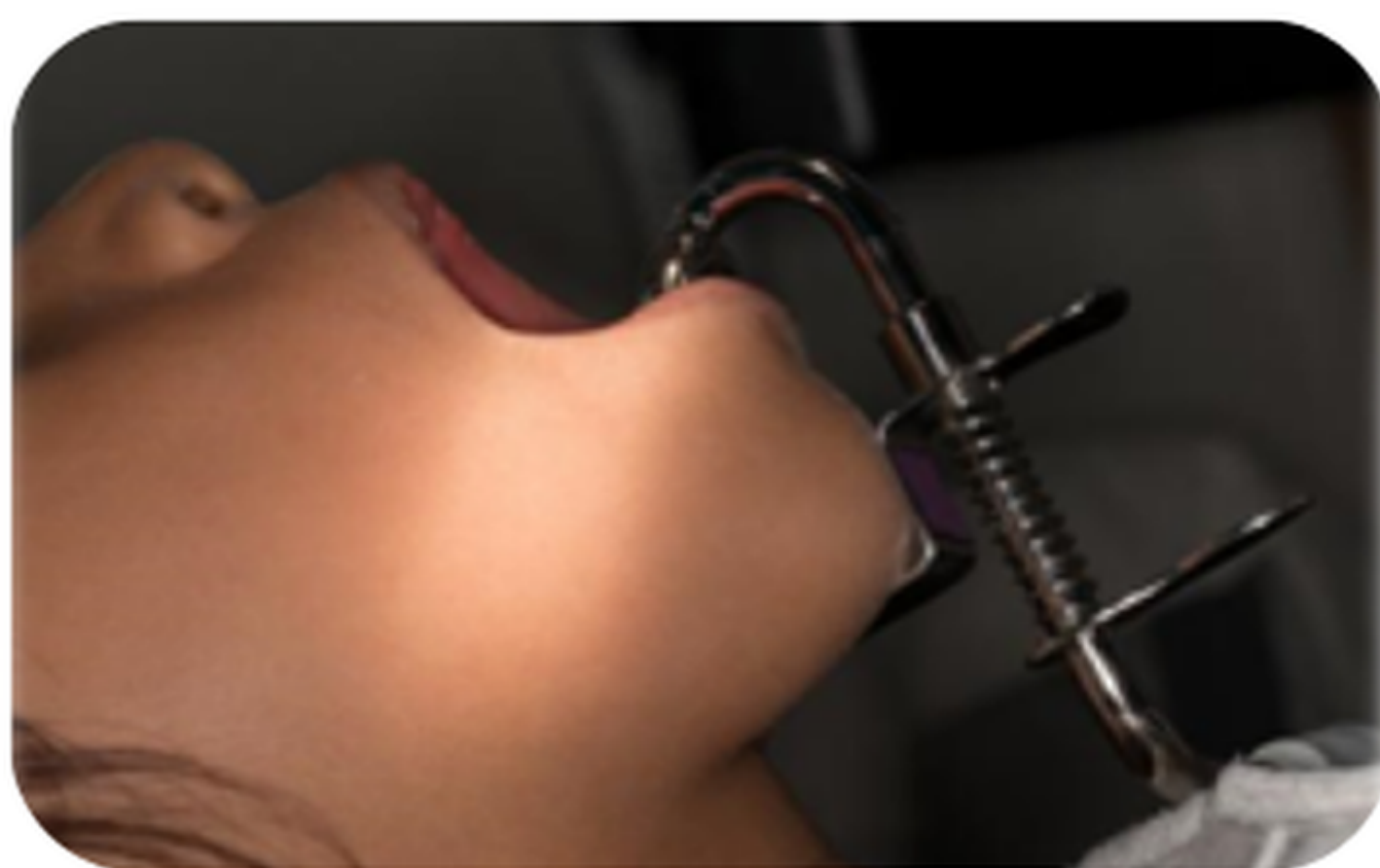
Study Results

Laboratory and small sample testing showed that the SS-suction device is safe and effective in reducing aerosol dispersion. In satisfaction and effectiveness assessments, the device received high satisfaction ratings from providers, demonstrated good clinical effectiveness and effectively reduced moisture.

VDO SS-suction using



Intra-oral view



Extra-oral view



Clinical result

