



10 PREV EVALS  
16 YEARS EXP

A quick & easy solution for reducing dental aerosols.

Amber Metro-Sanchez, RDH  
Fort Wayne, IN



6 PREV EVALS  
24 YEARS EXP

A game changer for the hygienist who needs HVE but doesn't have an assistant available.

Dawn Hines, RDH  
Crandon, WI



12 PREV EVALS  
11 YEARS EXP

Fantastic tips that are shorter, therefore more ergonomic, and have a slight flare.

Malee Wong, RDH  
Bee Cave, TX

### PALMERO HEALTHCARE

# HVEsolo

3.7  
Dental PRODUCT SHOPPER  
RECOMMENDED PRODUCT

Ergonomically designed for a clinician working without an assistant, these disposable HVE tips safely remove fluid and debris while reducing aerosol contamination

When COVID-19 surfaced in the United States, the dental industry was impacted significantly, in part due to the virus' inherent nature of being spread by respiratory droplets. While it may be difficult to perform certain dental procedures without generating droplets and aerosols that float around the operator, potentially transmitting infection, using products specifically designed to reduce splatter and aerosols is a step in the right direction.

Recognizing that high-volume evacuation (HVE) systems play an important role in reducing aerosols, particularly during ultrasonic scaling and other procedures involving power instrumentation, Palmero Healthcare designed an ergonomic and disposable evacuation tip, HVEsolo, that helps capture splatter and aerosols before they leave a patient's mouth.

Hoping to find a tip that "reduced aerosols while keeping ergonomics in mind," Jessica Raymond-Allbritten, CRDH, eagerly agreed to test the HVEsolo tips for this DPS evaluation and discovered many advantages. "I love the funnel design of the tip, as it prevents tissue from getting sucked into the HVE, while allowing for greater aerosol capture," she stated. "The tips are light and easy to use due to their short length and are very diverse in application due to their design." She said her whole team enjoys using the tips and is amazed at how well they reduce aerosols and capture debris during all types of dental procedures.

#### Ergonomic Design

Uniquely designed for dental professionals performing power instrumentation procedures without an assistant, HVEsolo's lightweight design and short 2.5-inch shaft allows solo practitioners to evacuate fluids, debris, and contaminated aerosols with their non-dominant hand, according to Palmero.



With a shaft length 50% shorter than other tips, there is less tension and drag from the hose, which allows a more neutral wrist position for the user.

Hygienist Dawn Hines called HVEsolo "a game changer for the hygienist who needs HVE but doesn't have an assistant available." Due to the tip's short length and light weight, she said it's very easy to maneuver and did not cause any hand fatigue. Malee Wong, RDH, described it as "more ergonomic and easier to use than standard HVE tips." Pointing out that she doesn't have the luxury of an assistant to suction for her during hygiene procedures, Wong said, "These tips were fantastic because they are shorter, therefore more ergonomic, and have a slight flare. I believe I was more efficient and my wrist suffered less fatigue than usual."

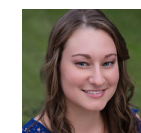
"I like how compact it was and how I was able to hold on to it with ease and clean teeth," shared Heather Locker, RDH, who said the tip sometimes blocked her view of the lingual of the upper anterior teeth. Hygienist Stacey Abbatessa said, "I really like the design concept of this suction tip. The funnel shape is perfect for encompassing multiple teeth at once." Suggesting that the shank could be somewhat flexible for easier adaptation, she said the shorter tip allows for more control and precision.

#### Infection Control

"Any time an ultrasonic scaler is used, it is best to evacuate with HVE when possible," noted Wong,

## takeaways

- Lightweight design and short 2.5-inch shaft allows practitioners to work without an assistant
- Disposable HVE tip safely suctions fluid and debris from the oral cavity
- Unique 3-vent design and a wide scoop tip with smooth round edges
- Captures aerosols and reduces the risk of cross contamination and disease transmission when combined with an HVE system



Jessica Raymond-Allbritten, CRDH  
Clearwater, FL

"The tip's funnel design prevents tissue from getting sucked into the HVE, while allowing for greater aerosol capture."

who was one of several evaluators who praised HVEsolo's ability to capture aerosols and reduce the risk of cross contamination and disease transmission, when combined with an HVE system. "I wanted to be able to use HVE suction while using an ultrasonic scaler on my patients in order to reduce aerosol production," said Amber Metro-Sanchez, RDH, who concluded, "It is a quick and easy solution for reducing dental aerosols." Raymond-Allbritten stated, "The funnel design of the tip helped capture more aerosols than a regular HVE tip." Especially since the COVID-19 outbreak, Jen Irvine-Lebo said it's reassuring to use disposable tips that keep aerosols down.

#### Efficient Suctioning & Retraction

To maximize suction and efficiently clear fluid and debris, HVEsolo features a 3-vent design and a wide scoop tip with smooth round edges for safe and gentle retraction. "I like how the tip widens at the end to comfortably reach a wider area of the mouth," noted Metro-Sanchez, who said the edges of the tip could be more rounded for additional patient comfort. "The short HVEsolo tip enabled me to more easily access my patient's mouth while using an ultrasonic scaler," she added. "It's easy to handle without sucking

up the cheeks and lips," said Corey Skriver, RDH, who had some difficulty angling the tip in the lower premolar areas. Hines, who found it somewhat more difficult to reach posterior teeth due to the shorter tip, concluded, "I have less cheek and tongue suction using this product, which I'm sure my patients appreciate!"

#### Overall Satisfaction

Metro-Sanchez said that HVEsolo impacted her entire practice, reporting that

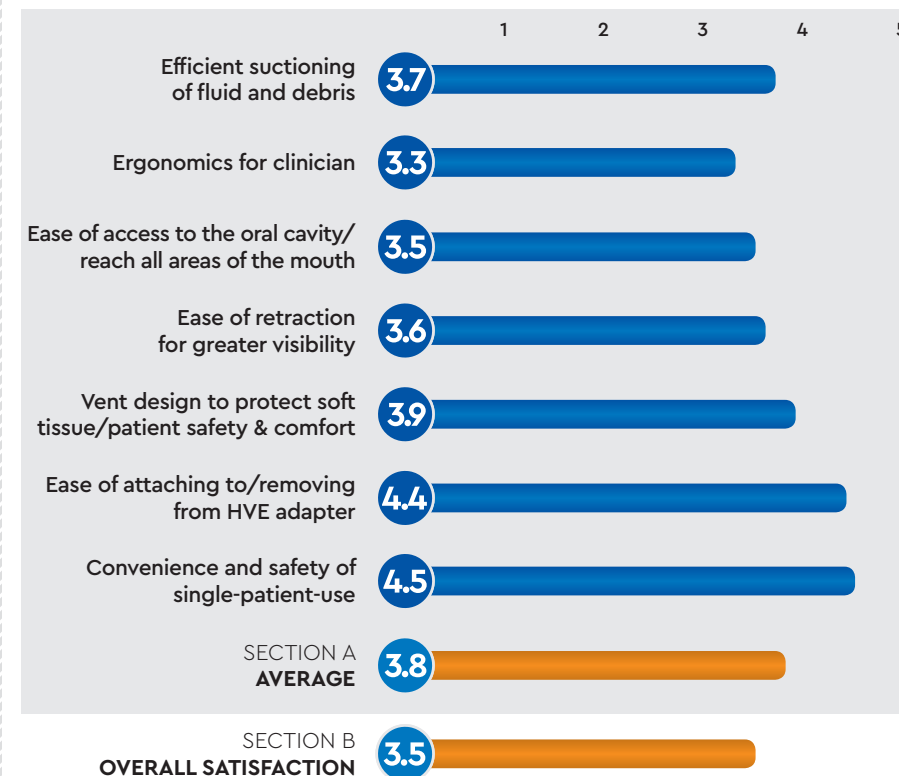
the hygienists were pleased to be able to safely use the ultrasonic scaler, and the dental assistant was able to suction anterior teeth while the doctor prepped for a filling. Hines, who has already ordered more tips for her practice, said, "I would definitely recommend HVEsolo for the hygienist who doesn't have an assistant."

#### FOR FREE INFORMATION:

800.344.6424  
www.palmerohealth.com

## PRODUCT EVALUATION SNAPSHOT

CRITERIA BASED ON AVERAGE SCORE (OUT OF 5)



PALMERO HEALTHCARE  
HVESOLO

FINAL SCORE  
AVERAGE OF SECTIONS A AND B

3.7

