




## ABC (Airstream Biofilm Clearance)

### User Manual

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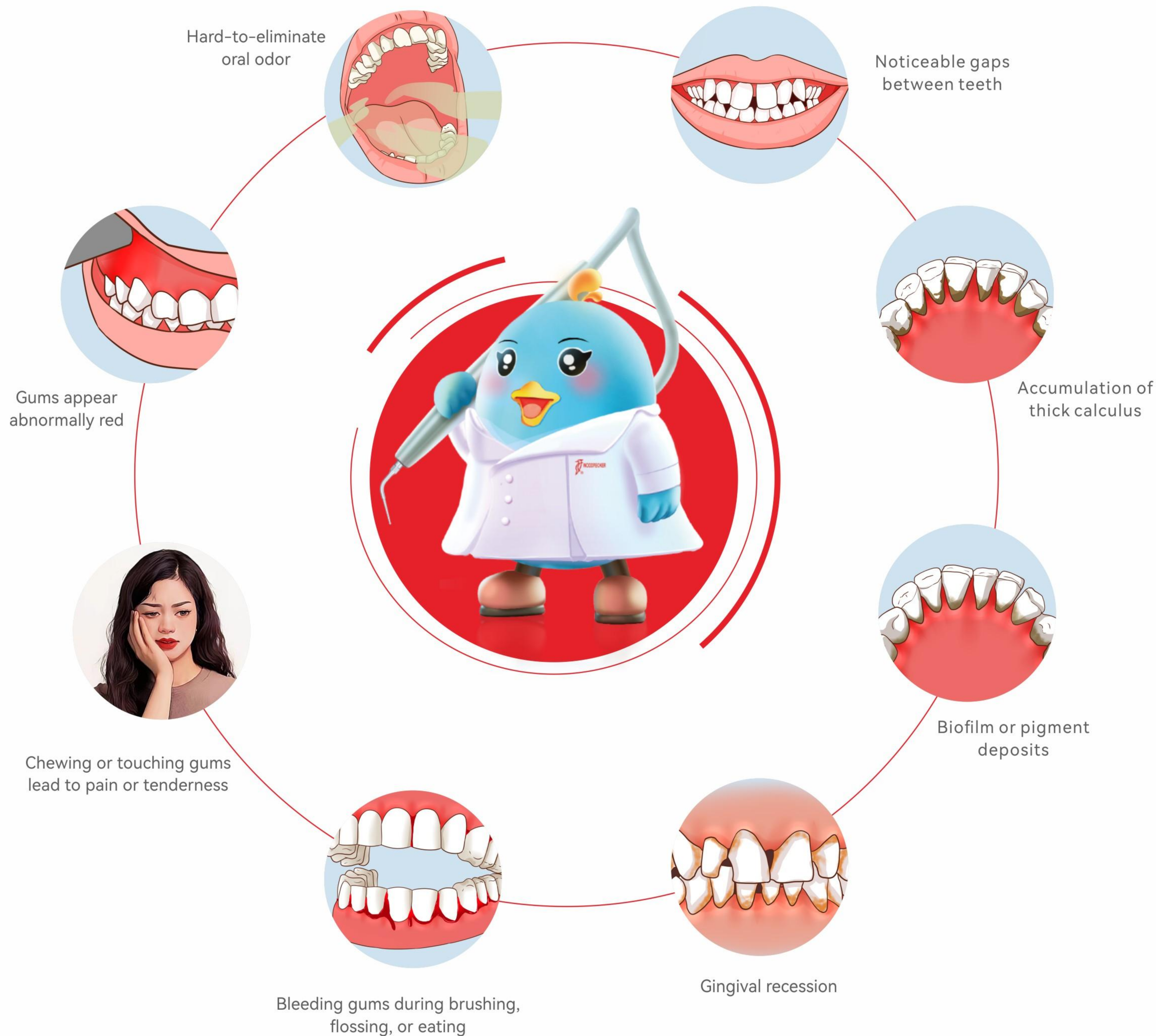
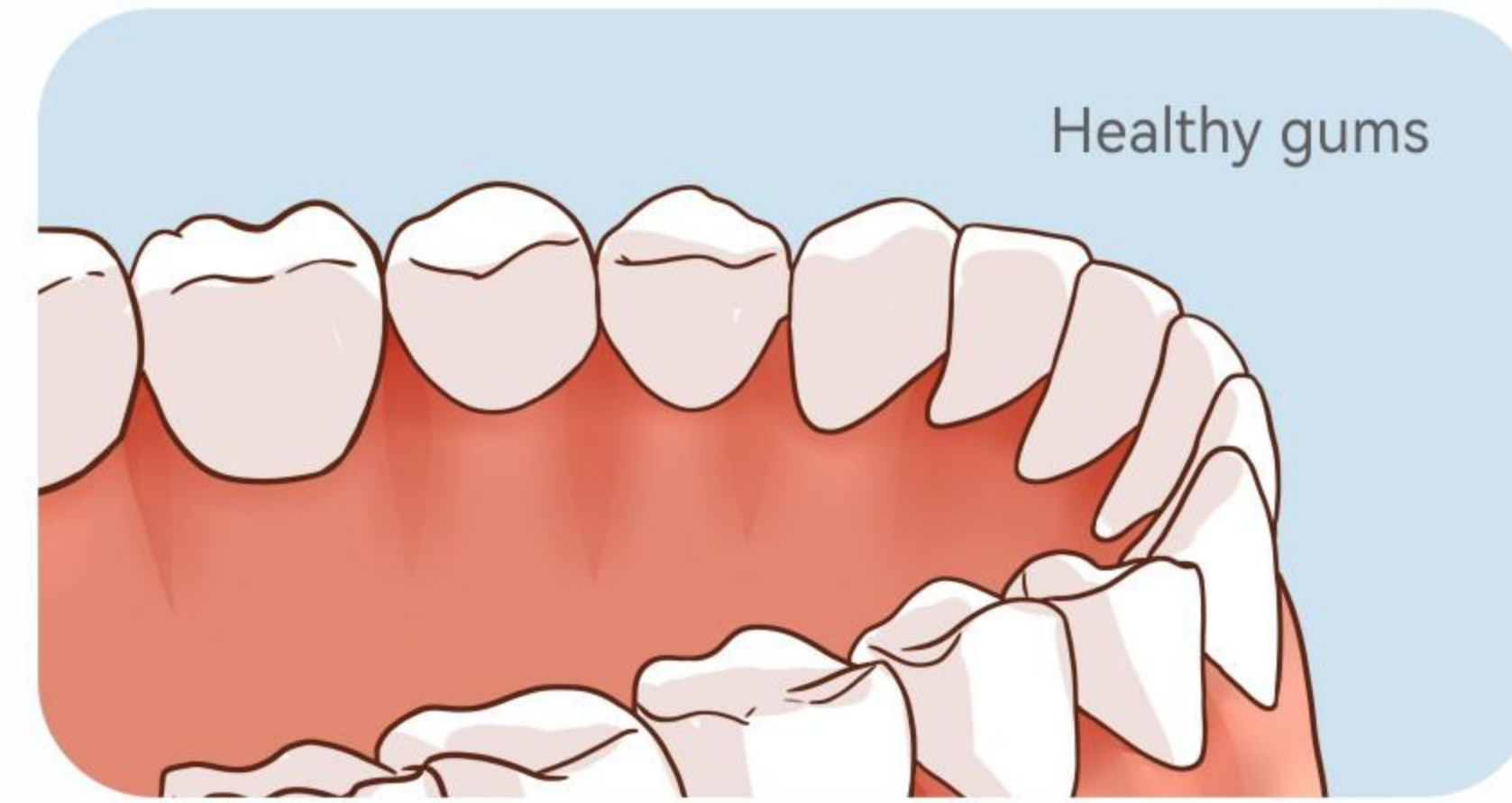
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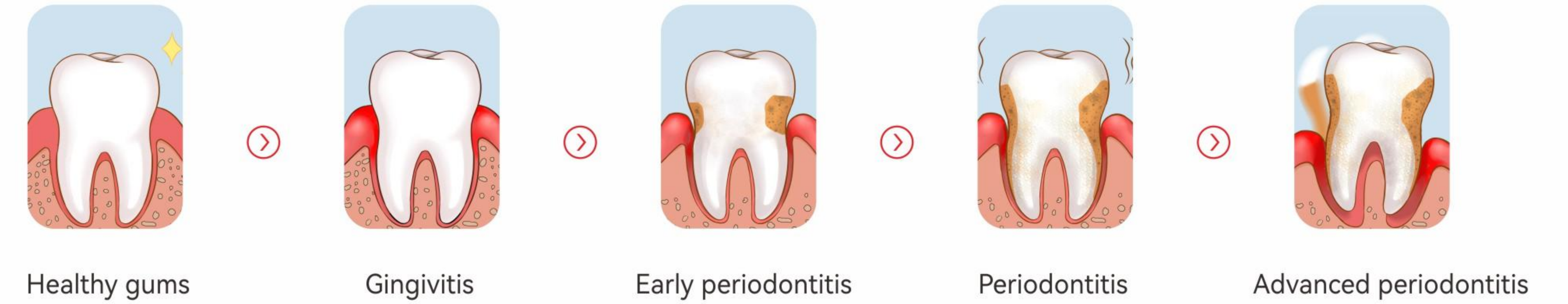
# Periodontal Disease Basics

## Self-diagnosis of gum health



# Periodontal Disease Basics

## » How does periodontitis develop?



## » Relationship between oral diseases and overall health

### 1 Cardiovascular disease

Numerous epidemiological studies suggest that inflammation from oral infections is an independent risk factor for cardiovascular diseases. For example, chronic periodontitis will increase the occurrence of systemic inflammation, and people with periodontitis will increase the risk of cardiovascular disease by about 25%.

### 2 Chronic kidney disease

Research indicates an association between periodontitis and the onset of chronic kidney disease or declining kidney function. The likelihood of developing chronic kidney disease increases by 60% in individuals with periodontitis, and conversely, chronic kidney disease can worsen periodontitis.

### 3 Respiratory diseases

Biofilm serves as a potential source of respiratory pathogens. Respiratory pathogens easily colonize the dental surfaces through biofilm and can enter the lungs and bronchi through inhalation, increasing the risk of pulmonary infections.

### 4 Diabetes

Diabetes and periodontal diseases share common risk factors and mutually exacerbate each other. Chronic periodontitis can significantly impact the metabolic status of diabetes, and diabetes, in turn, makes individuals more susceptible to periodontal destruction. Therefore, chronic periodontitis is defined as the sixth complication of diabetes.

### 5 Adverse pregnancy outcomes

Periodontal bacteria can pass through maternal bacteremia and placental passage, leading to intrauterine infection. Additionally, periodontal bacteria can evade cellular immune mechanisms, activate cell-mediated immune responses, and stimulate the production of pro-inflammatory cytokines and endotoxins. If they reach the fetal placenta, it may result in adverse pregnancy outcomes.

### 6 Muscle aging

Elderly individuals with oral health problems experience a decline in overall physical function, muscle strength, and physical performance compared to those with good oral health.



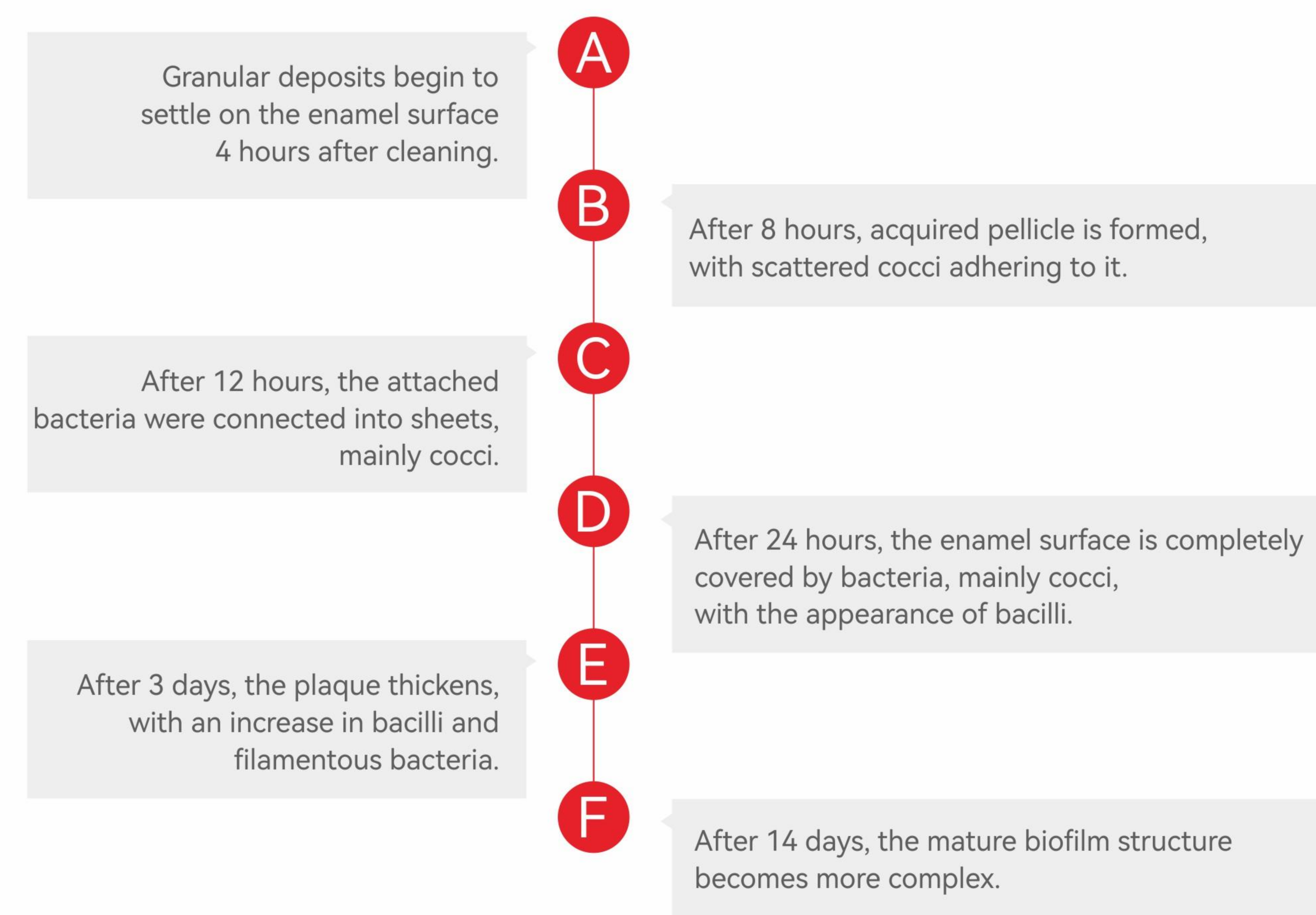
# Biofilm Control — The Core of Modern Periodontal Treatment

## » Etiological factor of periodontitis – biofilm

Biofilm is a soft, non-mineralized bacterial community that adheres to each other or to tooth surfaces, interdental spaces, or the surface of restorations, enveloped by matrix. It is a type of bacterial biofilm that cannot be rinsed or gargled away.

Within 1 cubic millimeter of biofilm (1 mg), there are one billion bacteria, with over 300 different bacterial species.

## » Formation process of biofilm



In most people, biofilm accumulation, calcification, and calculus formation take 2-3 months.

# What is ABC?

## A Biofilm-Clearance Oral Hygiene Protocol

### » What is ABC?

ABC stands for Airstream Biofilm Clearance, indicating a biofilm-clearance oral hygiene protocol.

ABC holds the health concept of "prevention is better than treatment," emphasizing that periodontal treatment should focus on biofilm control. Through regular airstream, biofilm can be removed comprehensively and effectively, reducing the formation of calculus. Additional procedures such as ultrasonic scaling and polishing are employed to further optimize the oral environment.

## » What are the Advantages of ABC in Periodontal Treatment?

### 01 Visual and Clear

The use of biofilm discloser can clearly show the location of biofilm in the oral cavity. This allows for the convenient and rapid removal of biofilm, and the cleaning effect is obvious.



### 02 Precise and Efficient

Airstream can precisely reach supragingival and subgingival areas of biofilm adhesion, ensuring thorough removal of biofilm throughout the oral cavity. Stubborn calculus can be removed with ultrasonic scaling. The combination of the two ensures high efficiency and comprehensive cleaning.



### 03 Painless and Comfortable

Airstream avoids excessive scaling that can damage tooth surfaces, gums, and root surfaces. When combined with the gentle vibrations of the Woodpecker ultrasonic alloy tips, the treatment is painless. This enhances patient comfort and satisfaction.



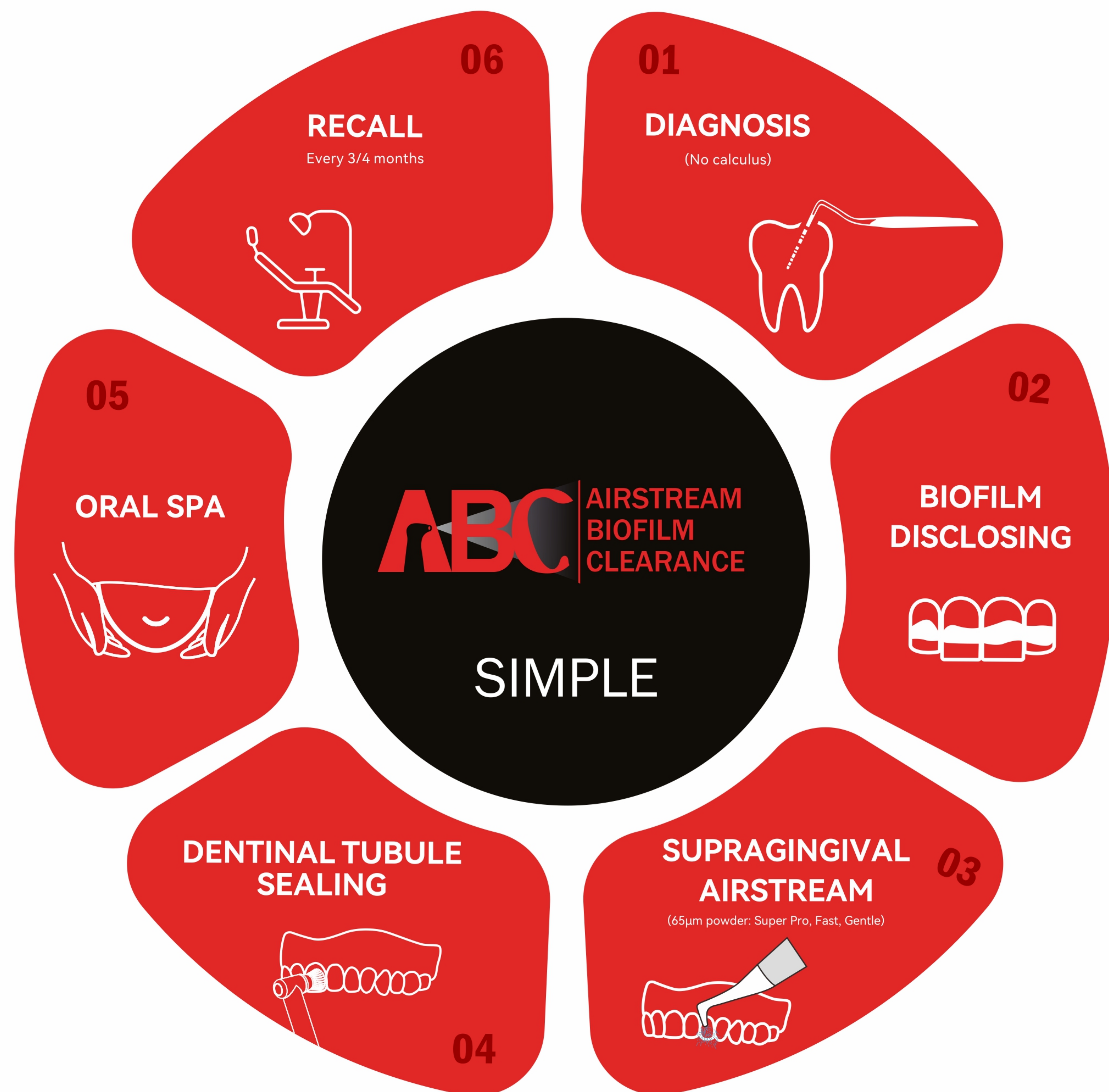


# ABC Treatment Steps

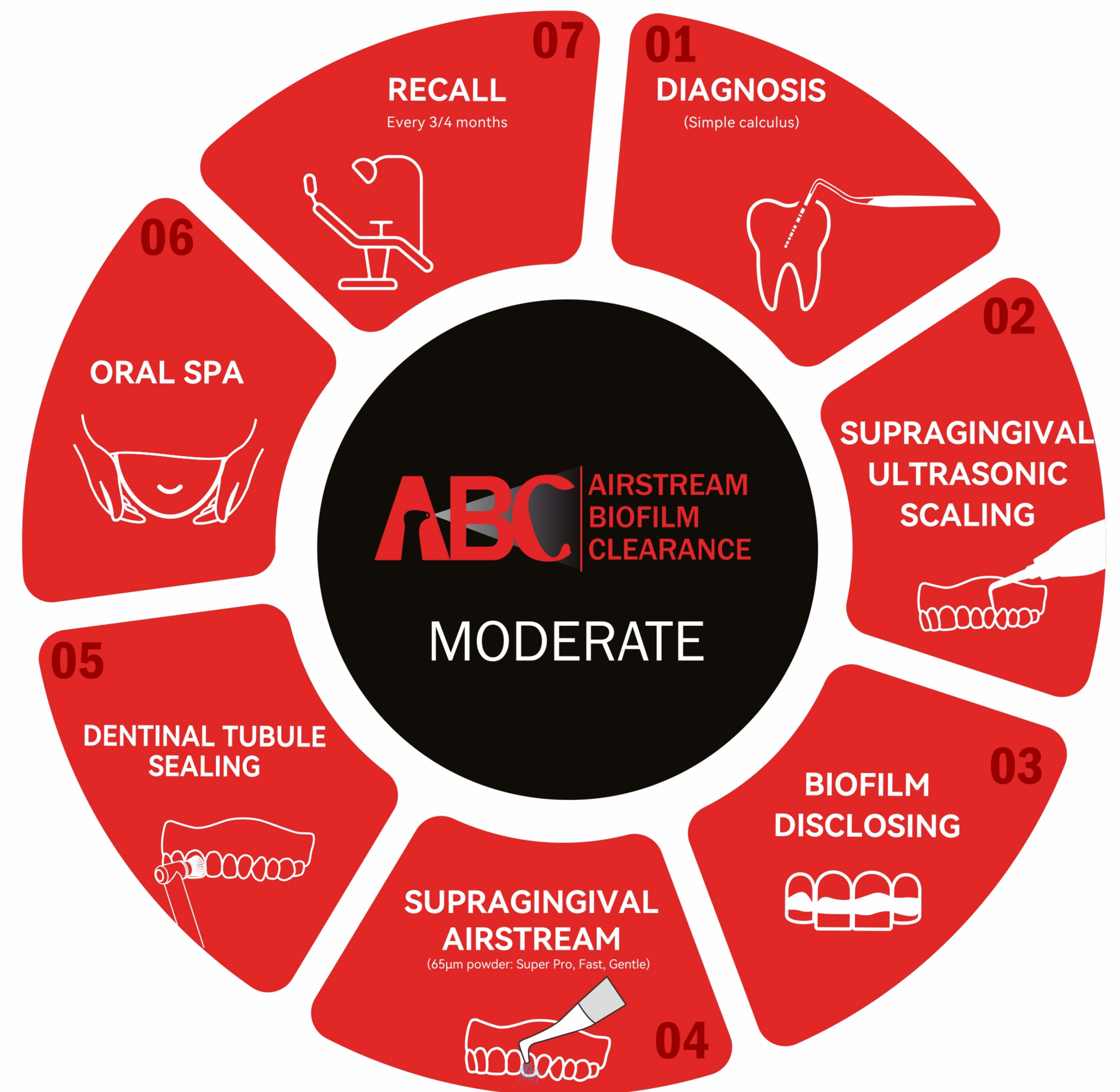
## Keep Smiling

(Professional Painless Clean Visible)

### SIMPLE



### MODERATE

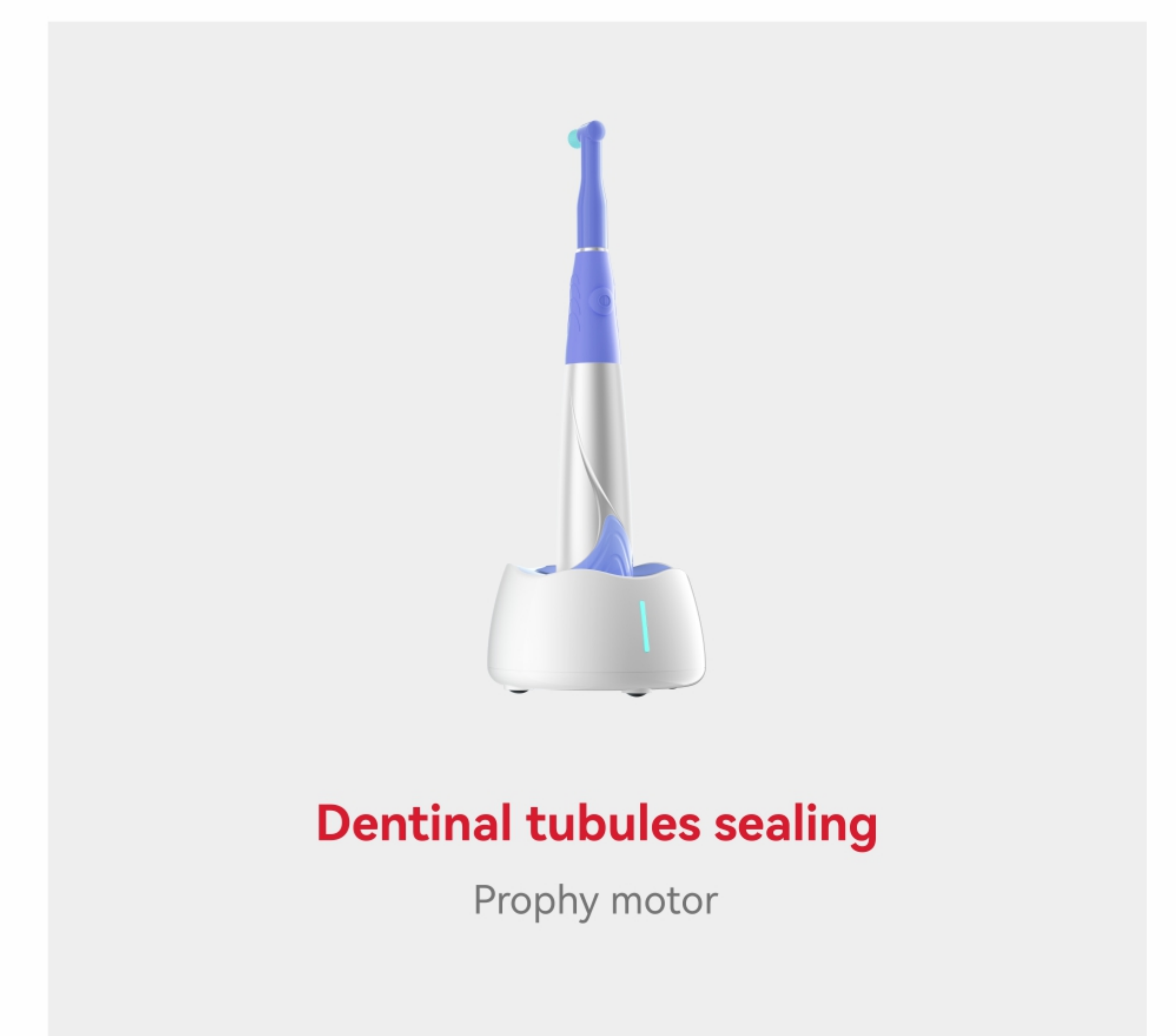
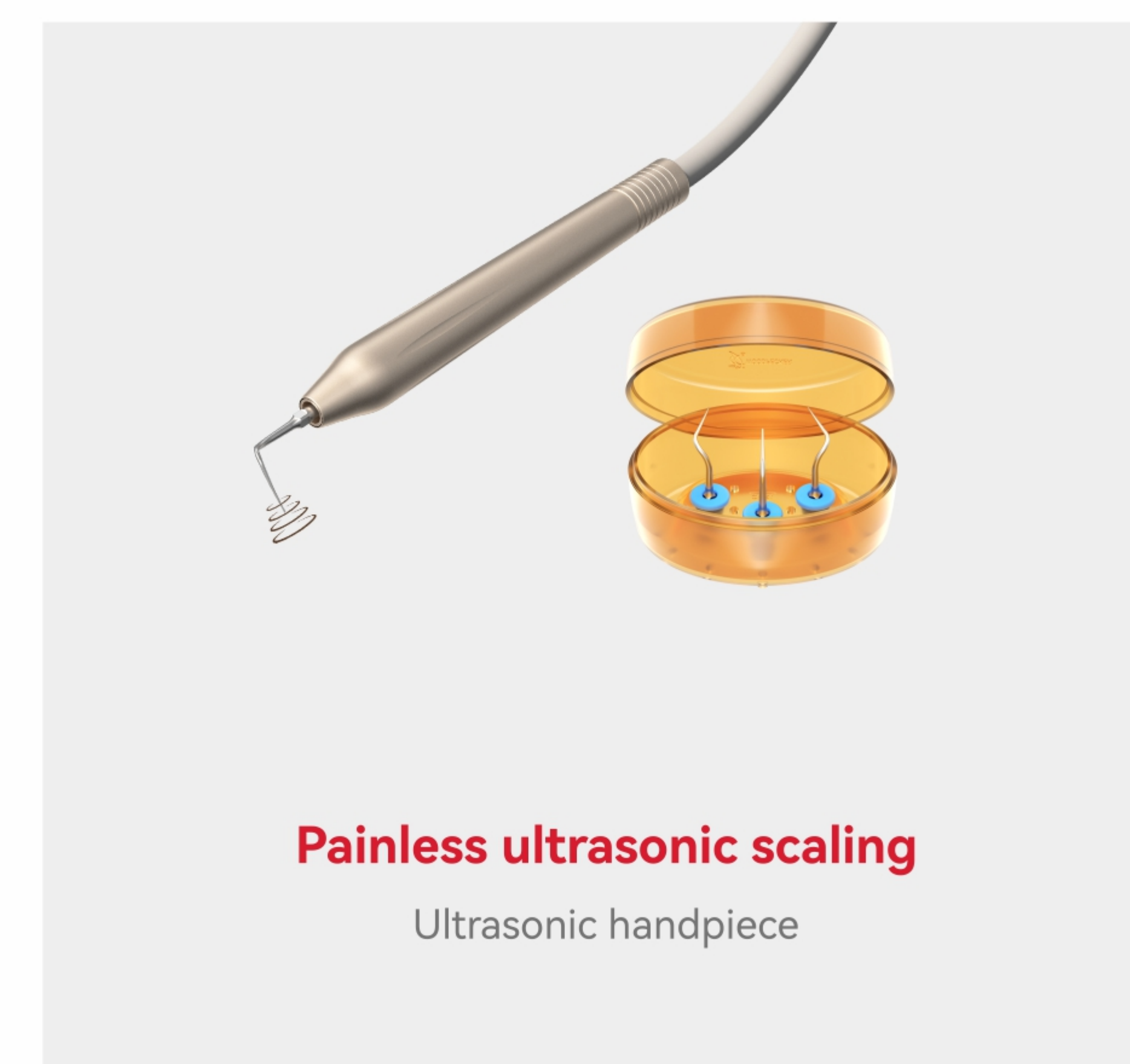
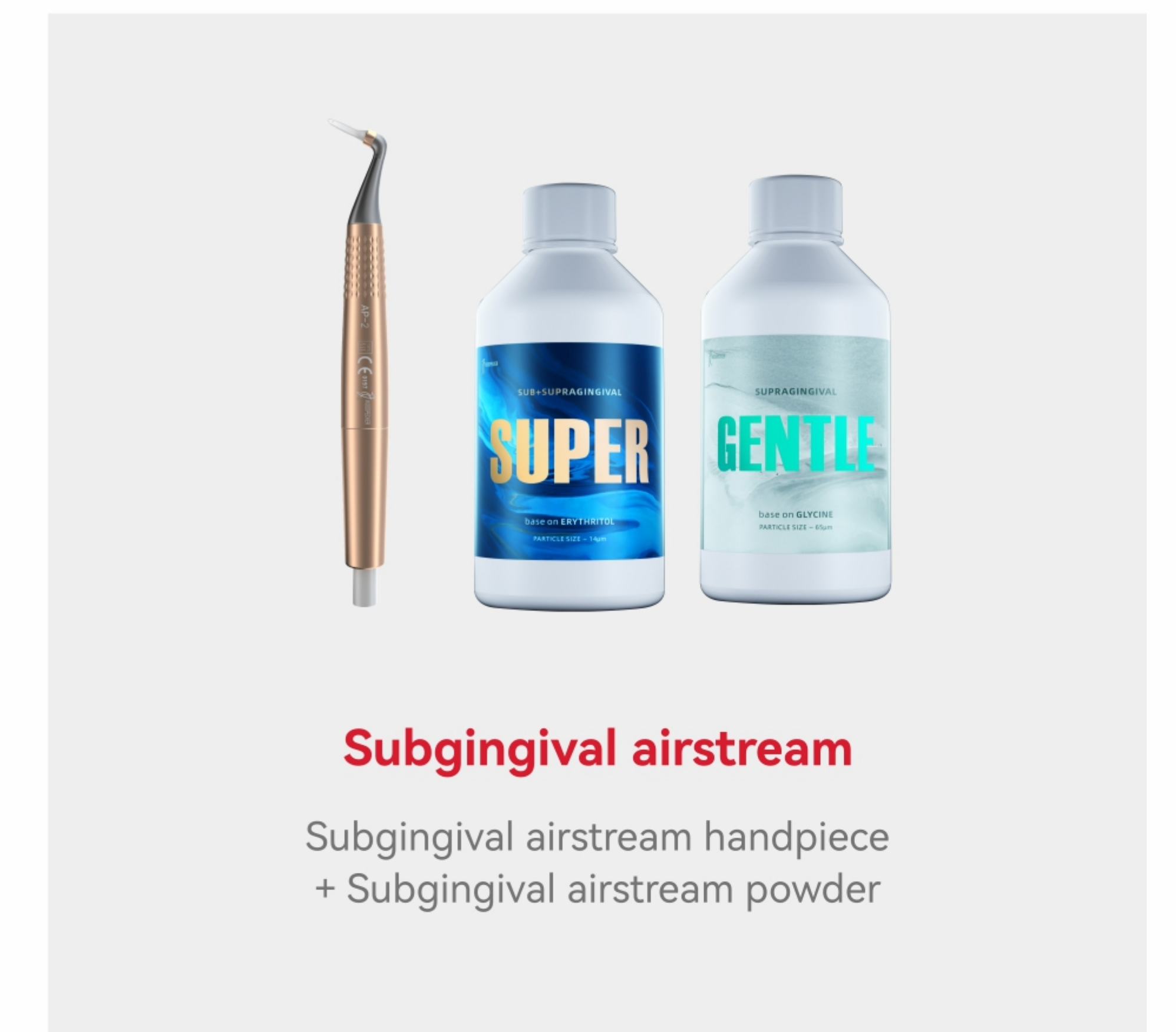
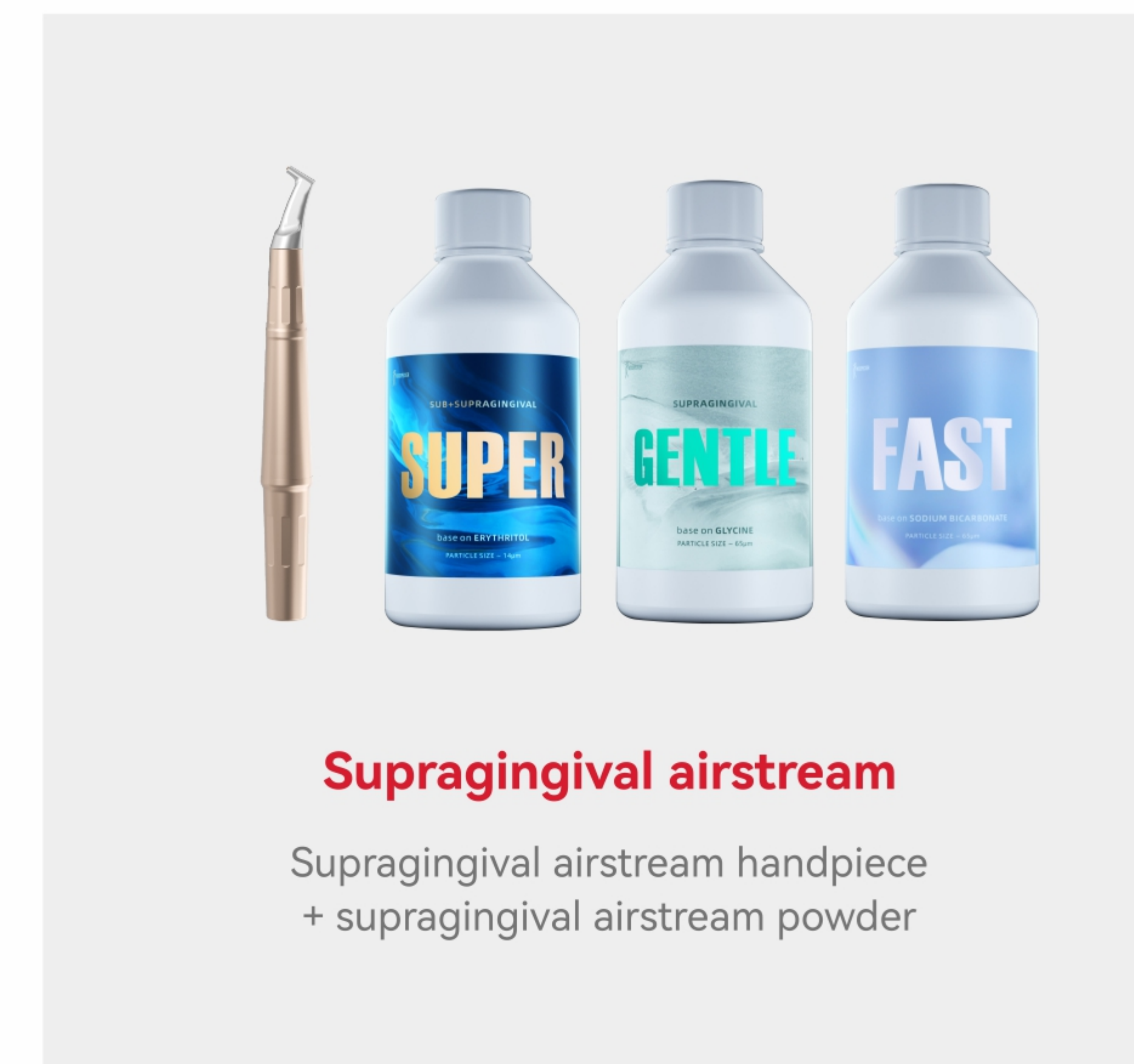




# HEAVY



## Devices Needed for ABC Treatment

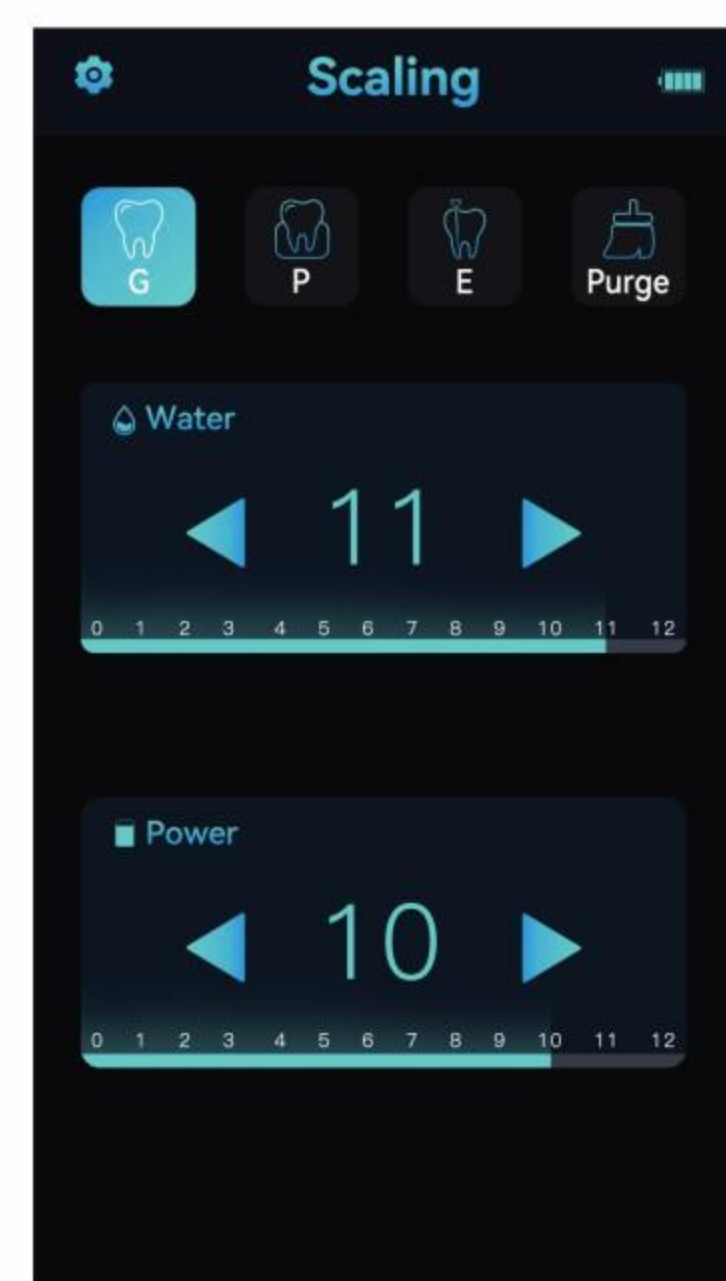




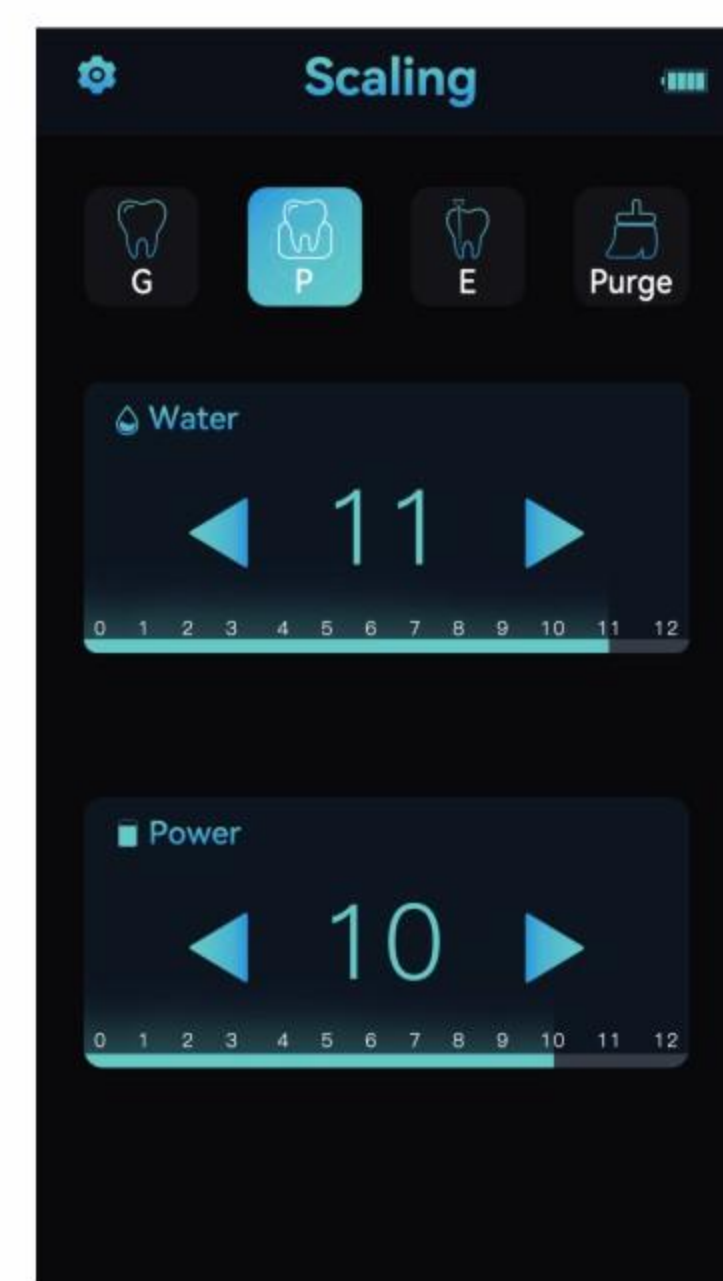
# PT-B Working Modes



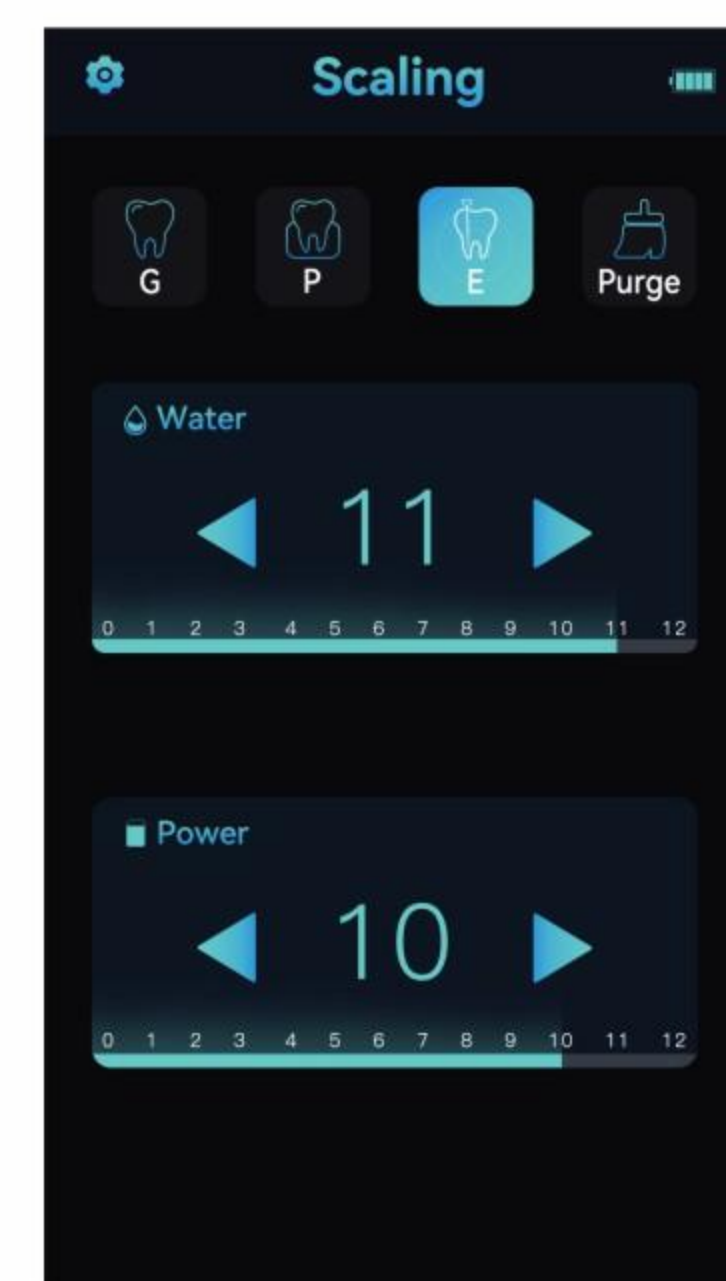
» Pick up the ultrasonic handpiece and automatically enter ultrasonic scaling mode



**G mode: supragingival scaling**  
Painless scaling, cavity preparation, restoration

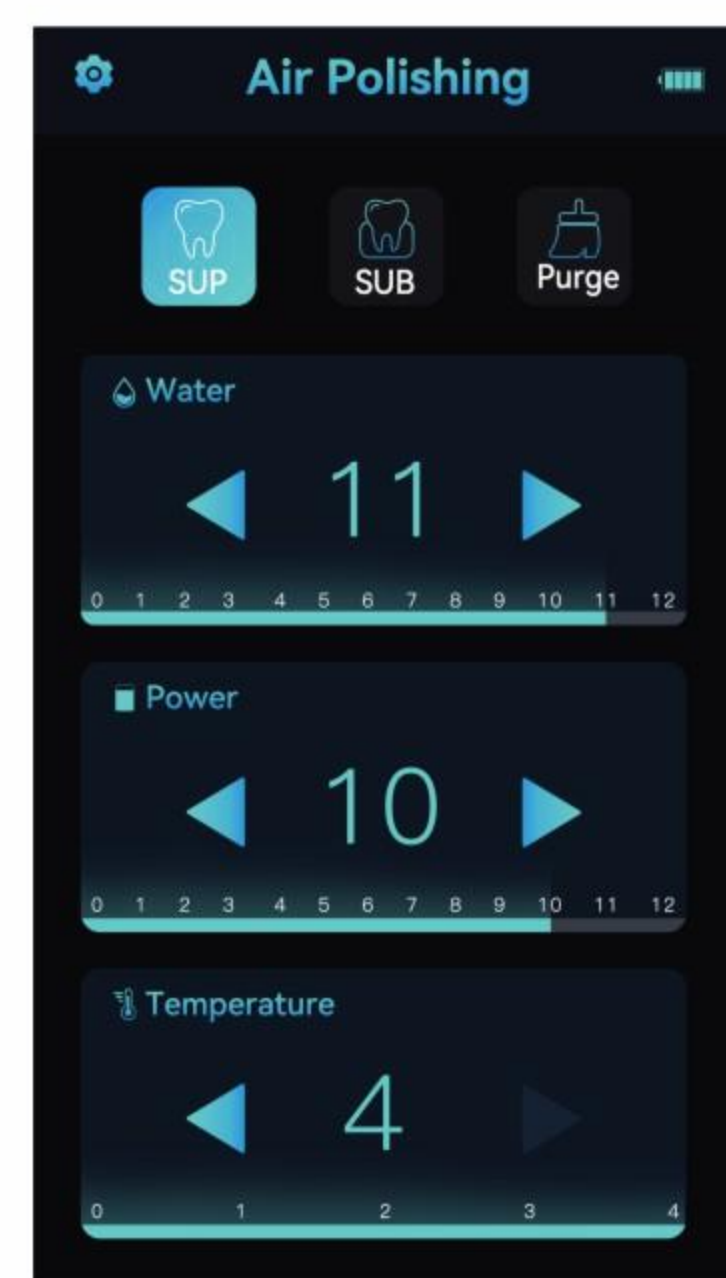


**P mode: subgingival scaling**  
Periodontal treatment, implant maintenance

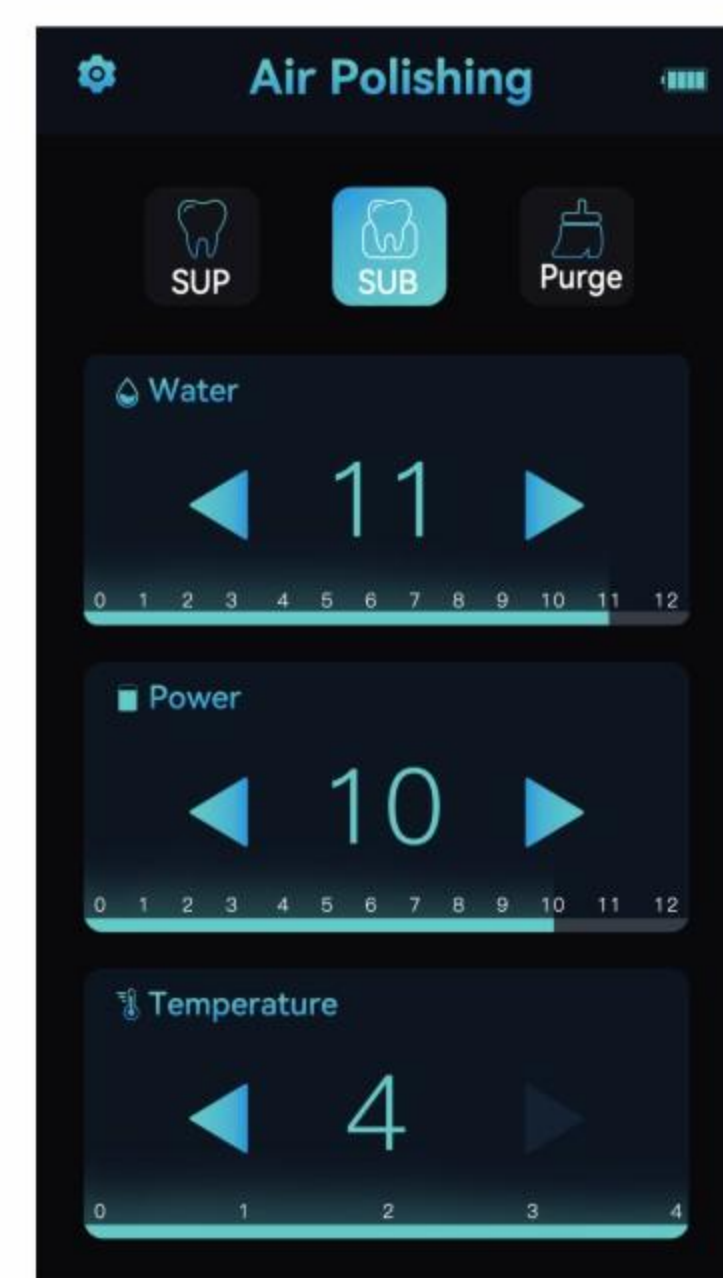


**E mode: endodontic treatment**  
Root canal orifice locating, removal of calcifications in pulp chamber, irrigation and broken file removal, etc.

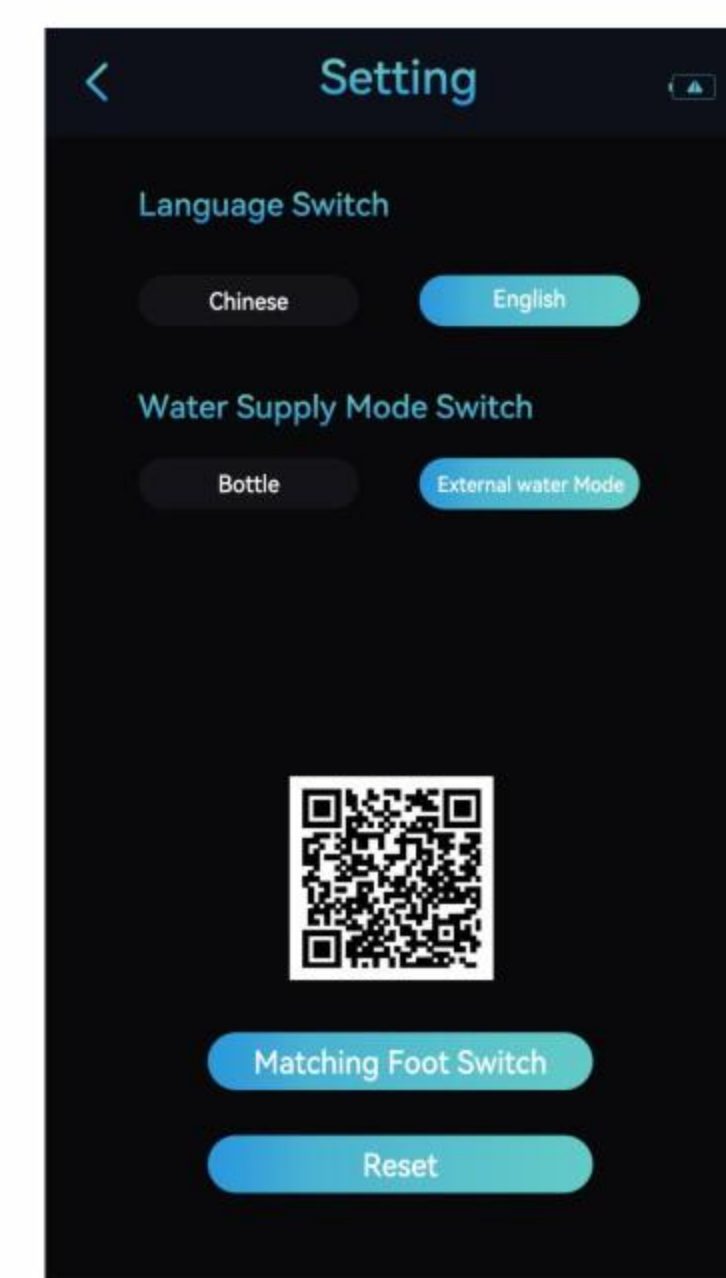
» Pick up the airstream handpiece and automatically enter airstream mode



**G mode: supragingival airstream**  
Removal of supragingival biofilm, pigment, etc., especially biofilm in areas such as occlusal surfaces and interproximal spaces that are difficult to remove with traditional ultrasonic scaling



**P mode: subgingival airstream**  
Removal of subgingival biofilm. Can be used for non-surgical treatment of periodontitis, peri-implantitis, and implant maintenance



**Purging mode**  
Click the purging mode, and the airstream handpiece enters the automatic purging mode to remove residual powder.

# PT-A Working Modes



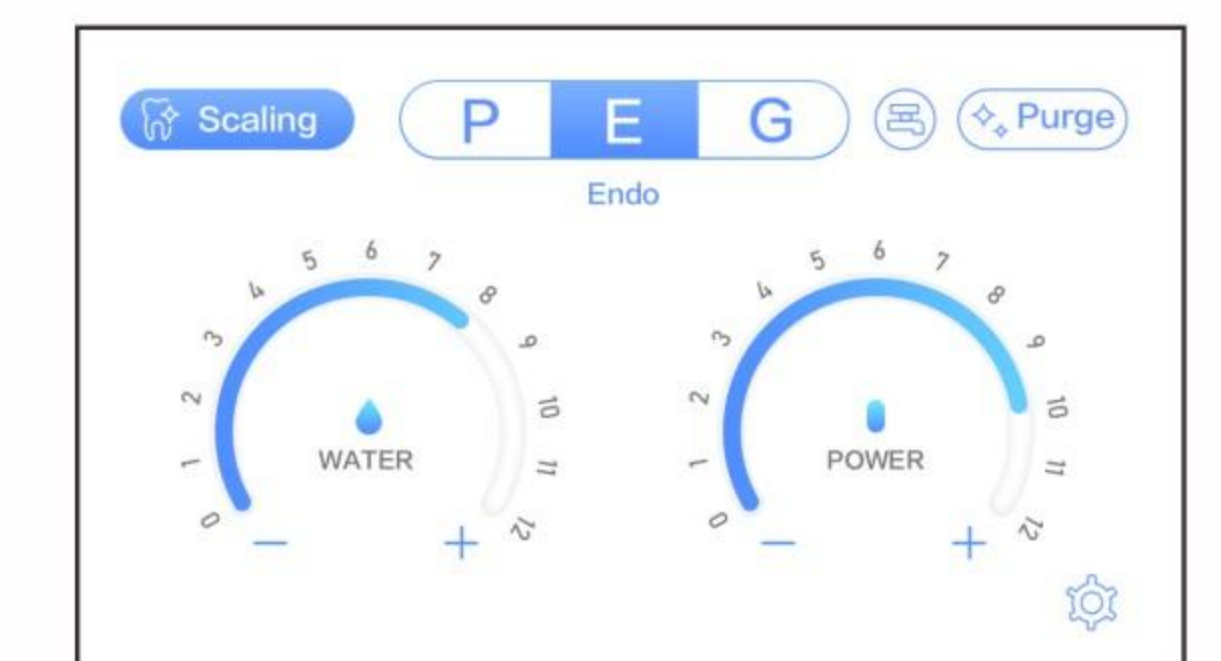
» Pick up the ultrasonic handpiece and automatically enter ultrasonic scaling mode



**G mode: supragingival scaling**  
Supragingival scaling, cavity preparation, restoration



**P mode: subgingival scaling**  
Subgingival periodontal treatment, implant maintenance



**E mode: endodontic treatment**  
Root canal orifice locating, removal of calcifications in pulp chamber, irrigation and broken file removal, etc.

» Pick up the airstream handpiece and automatically enter airstream mode



**G mode: supragingival airstream**  
Removal of supragingival biofilm, pigment, etc., especially biofilm in areas such as occlusal surfaces and interproximal spaces that are difficult to remove with traditional ultrasonic scaling



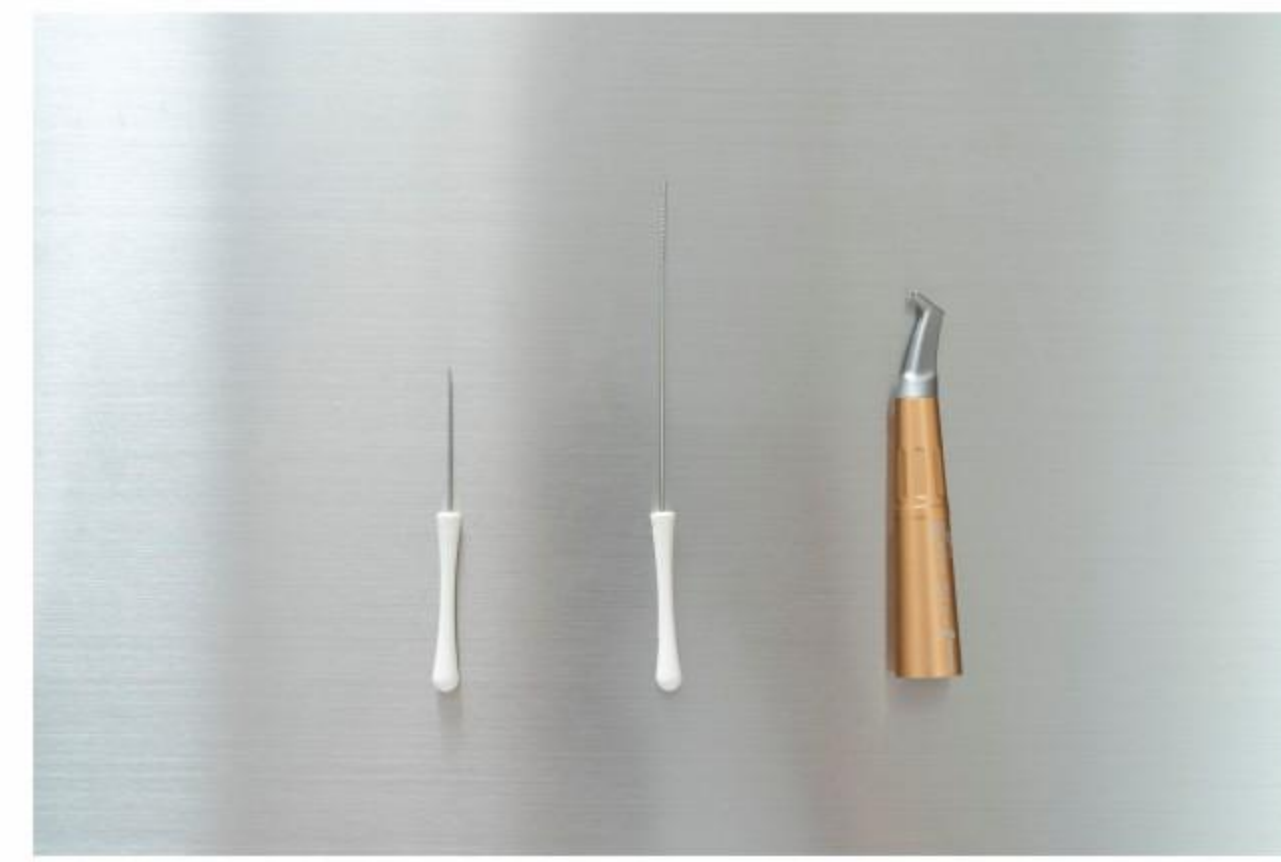
**P mode: subgingival airstream**  
Removal of subgingival biofilm. Can be used for non-surgical treatment of periodontitis / peri-implantitis, and implant maintenance



**Purging mode**  
Click the purging mode, and the airstream handpiece enters the automatic purging mode to remove residual powder



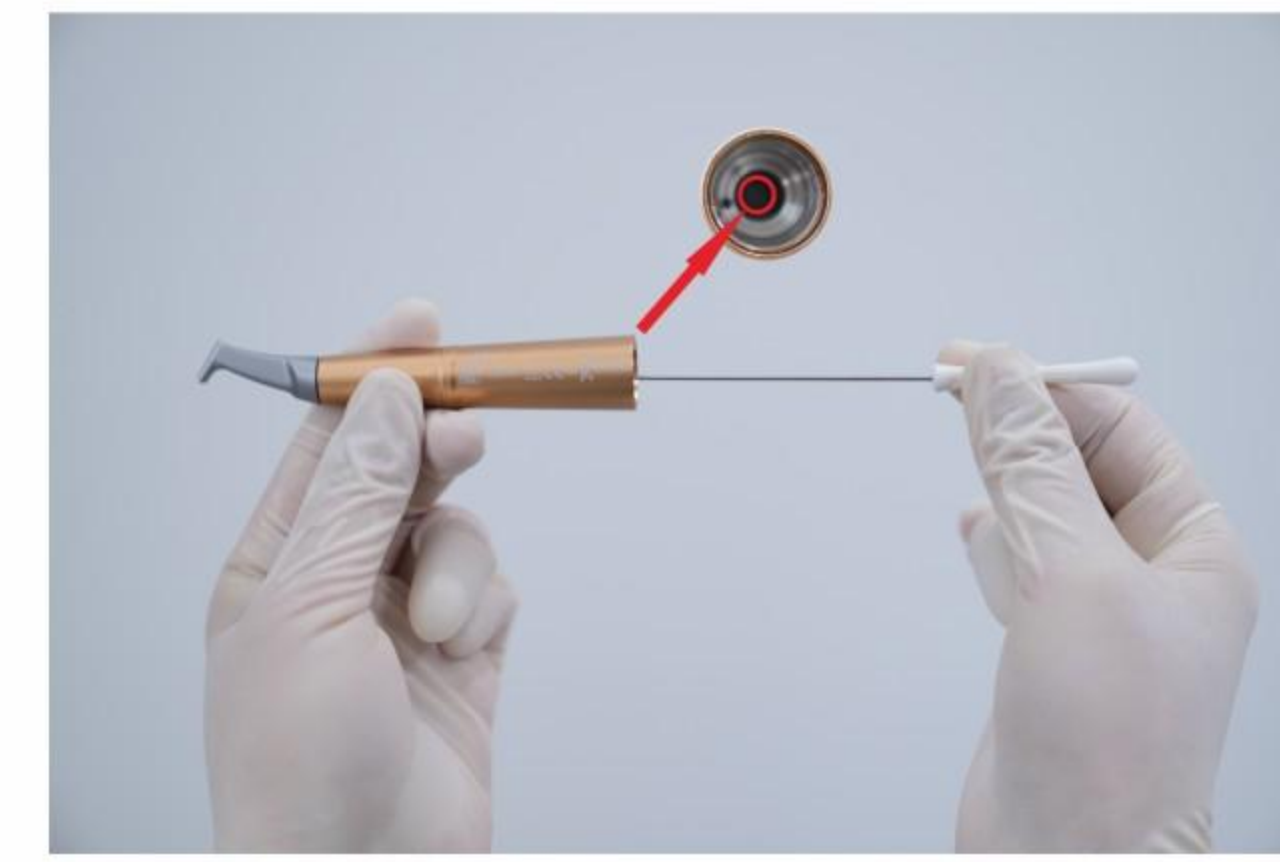
## How to unclog the slightly-blocked air polishing handpiece



a. Prepare two needles (long & short) and remove the airstream handpiece.



b. Unclog the nozzle central tube with the short needle. Insert, pull, and rotate several times.



c. Unclog the handpiece central tube with the long needle. Insert, pull, and rotate several times.

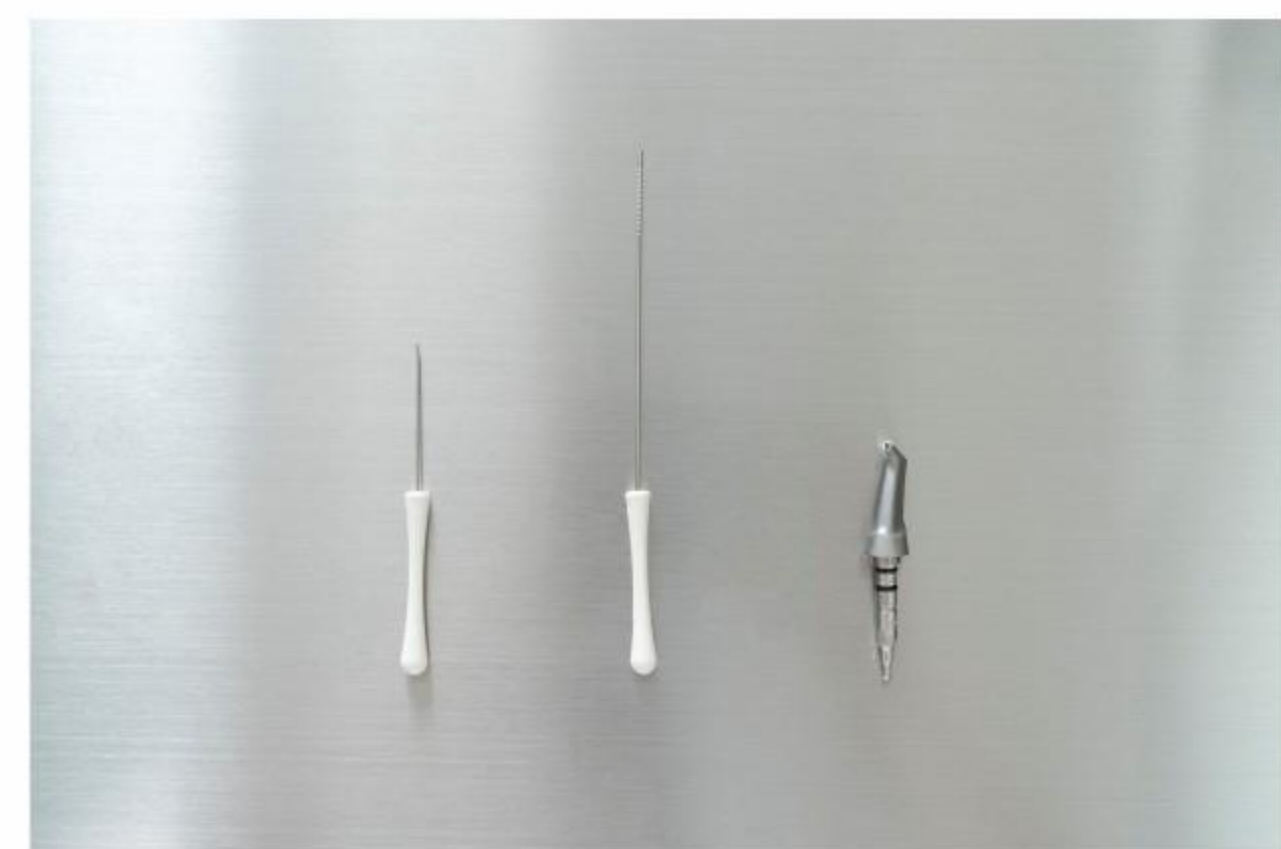


d. Use a three-way syringe to blow air into the nozzle.



e. Use a three-way syringe to blow air inside the handpiece.

## How to unclog the terribly-blocked airstream handpiece



a. Prepare two needles (long & short) and remove the airstream handpiece nozzle.



b. Unclog the nozzle front end with the short needle. Insert, pull, and rotate several times.



c. Unclog the nozzle rear end with the long needle. Insert, pull, and rotate several times.



d. Use a blow air to the nozzle front end.



e. Use a three-way syringe to blow air to the nozzle rear end.



f. If it still cannot be unclogged, please soak the nozzle in warm water for more than 10 min and repeat the above steps.

## Remove the residual powder in the powder tank



a. Touch the cleaning mode in standby mode to release the high-pressure air in the powder tank.



b. Remove the powder tank and pour out the remaining powder.



c. Use a three-way syringe to blow air inside the powder tank.



d. Use a three-way syringe to blow air to the powder tank bottom.



e. Use a three-way syringe to blow air to the powder tank threads.



f. Use a three-way syringe to blow air to the powder tank cover.



g. Use a three-way syringe to blow air to the powder tank holder.



# Specific ABC Treatment Steps

## Step 01 Diagnosis

- Every clinical case requires diagnosis
- Before the operation, ask patients about their medical history, whether their blood pressure and blood sugar are normal; whether they suffer from heart disease, asthma, blood type diseases, etc.; whether they are in their menstrual period, pregnancy, etc.

## Step 02 Biofilm disclosing

- Make biofilm visible
- Show the colored biofilm to patients Identify oral health issues in patients, enhancing doctor-patient communication and trust

## Step 03 Supragingival airstream

- The process of using compressed air to drive powder mixed with water through a airstream device onto the tooth surface. This process removes biofilm, pigment, and soft deposits while polishing the tooth surfaces, restoring a bright and glossy appearance to the teeth.

## Step 04 Painless supragingival ultrasonic scaling

- Use titanium alloy tips to remove residual dental calculus
- Remove supragingival calculus
- The titanium alloy tip with 30HRC, ensuring safe scaling without harming the teeth and providing a polishing effect

## Step 05 Painless subgingival ultrasonic scaling

- Use titanium alloy tips to remove residual dental calculus
- Remove subgingival calculus in 4-6mm periodontal pocket
- The titanium alloy tip with 3 HRC, ensuring safe scaling without harming the teeth and providing a polishing effect

## Step 06 Supragingival airstream

- The process of using compressed air to drive powder mixed with water through a airstream device onto the tooth surface. This process removes biofilm, pigment, and soft deposits which covered by calculus while polishing the tooth surfaces, restoring a bright and glossy appearance to the teeth.

## Step 07 Subgingival airstream

- Can use 14µm erythritol powder or 25µm glycine powder
- Thoroughly eliminate biofilm while nourishing the gums with amino acids in powder, preventing gingival recession

## Step 08 Dentinal tubules sealing

- Use remineralizing toothpaste to prevent cavities and enhance tooth hardness
- Polish to make the tooth surface smoother, reducing biofilm adhesion

## Step 09 Oral SPA

- Use green propolis for oral SPA gingival massage
- Help to freshen breath, improve gum elasticity and toughness, prevent gingival recession and periodontal diseases

## Step 10 Recall

- Analyze oral issues for patients
- Emphasize the importance of proper brushing and regular maintenance
- Recall



# 01 Diagnosis

## » Communication with patients



Dental hygienist:

According to data, nearly 90% of adults in China suffer from periodontal diseases. Now, let me check your oral condition. Periodontal bacteria can hide in the periodontal pockets that we can't reach with regular brushing. Over time, periodontal diseases will form, leading to gingival recession and alveolar bone resorption. Through the diagnosis just now, we can timely find the problems of the gums and take preventive measures early.

Natural teeth	Periodontal condition			
	<b>Healthy teeth</b> Healthy gums Good soft tissue	Supragingival airstream	No need	If there is calculus, use P56 tip for scaling
	<b>Gingivitis</b> Shallow periodontal pocket No bone loss Bleeding on probing	<4mm periodontal pocket supragingival airstream	No need	If there is calculus, use P56 for scaling
	<b>Periodontitis</b> Deep periodontal pocket Bone loss Bleeding on probing No pus discharge	<4mm periodontal pocket supragingival airstream	4-9mm periodontal pocket Subgingival airstream	Use P59, P50L and P50R for scaling
	<b>Periodontal abscess</b> Bone loss Bleeding on probing Pus discharge	Only supragingival treatment	×	Use P59, P50L and P50R for scaling

# 01 Diagnosis

## » Diagnosis procedure



Dental hygienist:

Ask the customer about their medical history before the procedure, such as whether their blood pressure and blood sugar are normal, whether they have any diseases like heart disease, asthma, blood type, whether they are in their menstrual period or pregnancy, and whether they are allergic to fragrances.

Implants	Periodontal condition			
	<b>Healthy</b> Healthy gums Good soft tissue	<4mm periodontal pocket supragingival airstream	No need	If there is calculus, use PEEK tip for scaling
	<b>Peri-implant mucositis</b> No bone loss Bleeding on probing	<4mm periodontal pocket supragingival airstream	No need	If there is calculus, use PEEK tip for scaling
	<b>Peri-implantitis</b> Bone loss Bleeding on probing No pus discharge on probing	<4mm periodontal pocket supragingival airstream	4-9mm periodontal pocket Subgingival airstream	If there is calculus, use PEEK tip for scaling
	<b>Acute peri-implantitis</b> Bone loss Bleeding on probing Pus discharge on probing	Only supragingival treatment	×	If there is calculus, use PEEK tip for scaling



## 02 Biofilm Disclosing

Disclosing biofilm on the gingiva and around implants, restorations, and orthodontic brackets is a crucial step in the ABC treatment process.

### » Why display biofilm?

Using plaque indicator staining on the gums and around implants, restorations, and orthodontic brackets to reveal dental plaque is a very important step in the ABC treatment process. Only when problems are discovered will people pay attention. If biofilm is made visible to the naked eye, it not only facilitates quicker and more effective biofilm removal but also enhances trust in the doctor-patient communication process.



### » Communication Script



Dental hygienist:

I'm going to apply a biofilm discloser to your teeth. It's a food-grade dye that makes bacteria adhered to the tooth surface and in-between teeth visible. The biofilm, cleared from the tooth surface, will fully cover the teeth again 24 hours later and it will reach its peak in about 3 months. Therefore, besides regular brushing for maintaining oral hygiene, we recommend a professional oral care session every 3 months to help remove the biofilm off your teeth.

### » Procedure

Apply the biofilm discloser to the tooth surface using a cotton swab. After about 30 seconds, rinse the mouth or use a three-way syringe to flush the mouth.

The colored areas on the teeth indicate the presence of biofilm. (Ask if a mouth opener is needed before starting the procedure)

Note: Not suitable for veneers



Before biofilm disclosing



Apply the biofilm discloser



Biofilm disclosing



Flush



# 03 Supragingival airstream

Airstream is the process of using compressed air to drive powder mixed with water through an airstream device onto the tooth surface. This process removes biofilm, pigment, and soft deposits while polishing the tooth surfaces, restoring a bright and glossy appearance to the teeth.



## SUPER PRO: 65µm erythritol supragingival powder

Used for the removal of supragingival biofilm, pigments and soft deposits in adults. It provides more comfortable treatment coupled with efficient scaling.

- Features:
1. Efficient, time-saving, mild and comfortable, safe and reliable, better taste
  2. Erythritol is naturally antibacterial and anti-caries; 3. "0" glycemic index, not involved in blood sugar metabolism or blood sugar changes, can also be used by diabetic patients

The promotion and sale of SUPER and SUPER PRO are not aimed at the following countries: France, Spain, Germany, Switzerland, Norway, Czech Republic, United Kingdom, Italy, Netherlands, Austria, Belgium, Denmark, Turkey, Sweden, Liechtenstein, Japan, and the United States.



## GENTLE: 65µm glycine supragingival powder

Used for the removal of supragingival biofilm and soft deposits in adults. Suitable for patients choosing painless scaling, patients during recall periods, sensitive patients and orthodontic patients.

- Features:
1. Amino acids extracted from natural grains
  2. Slightly sweet glycine with a pleasant taste
  3. 2.0 Mohs' hardness allowing gentle treatment



## FAST: 65µm sodium bicarbonate supragingival powder

Used for rapid removal of supragingival stubborn pigments, soft deposits and biofilm in adults.

- Features:
1. Sodium bicarbonate is naturally anti-inflammatory and anti-caries
  2. 2.5 Mohs' hardness provides efficient scaling experience
  3. Hardness between enamel and dentin enables easy removal of supragingival biofilm and stubborn pigment without harming teeth.

## » Communication Script

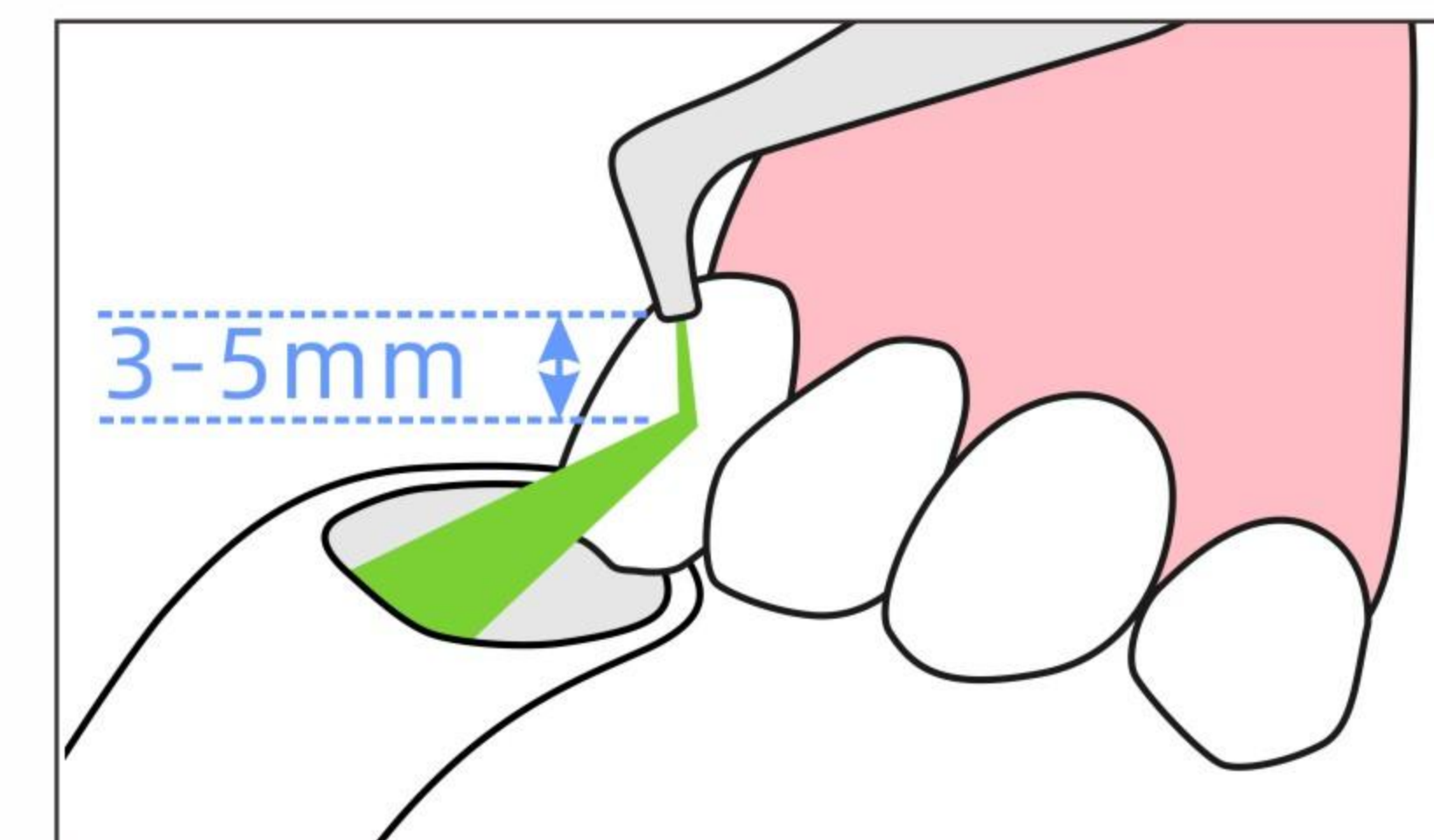


Dental hygienist:

Airstream is the process of using compressed air to drive powder mixed with water through an airstream device onto the tooth surface. This process removes biofilm, pigment, and soft deposits while polishing the tooth surfaces, restoring a bright and glossy appearance to the teeth. Today, we are using 65µm erythritol (glycine) powder, which has a very pleasant taste and high comfort.

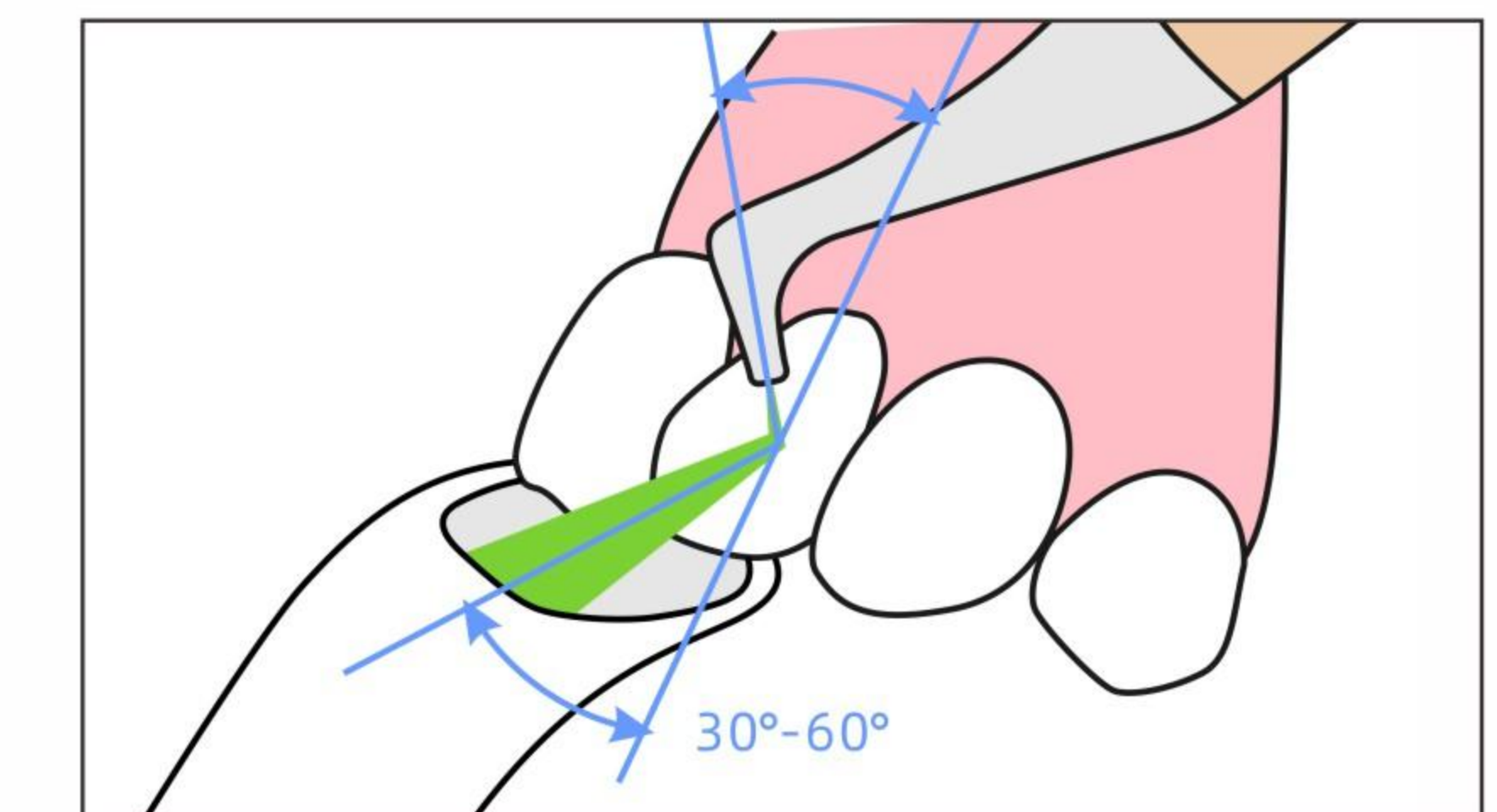
## » Procedure

Use supragingival powder. During the operation, pay attention to protect the oral soft tissues with a strong suction saliva ejector, gauze and a mouth mirror to prevent the powder from directly spraying onto the soft tissues and causing a tingling sensation.

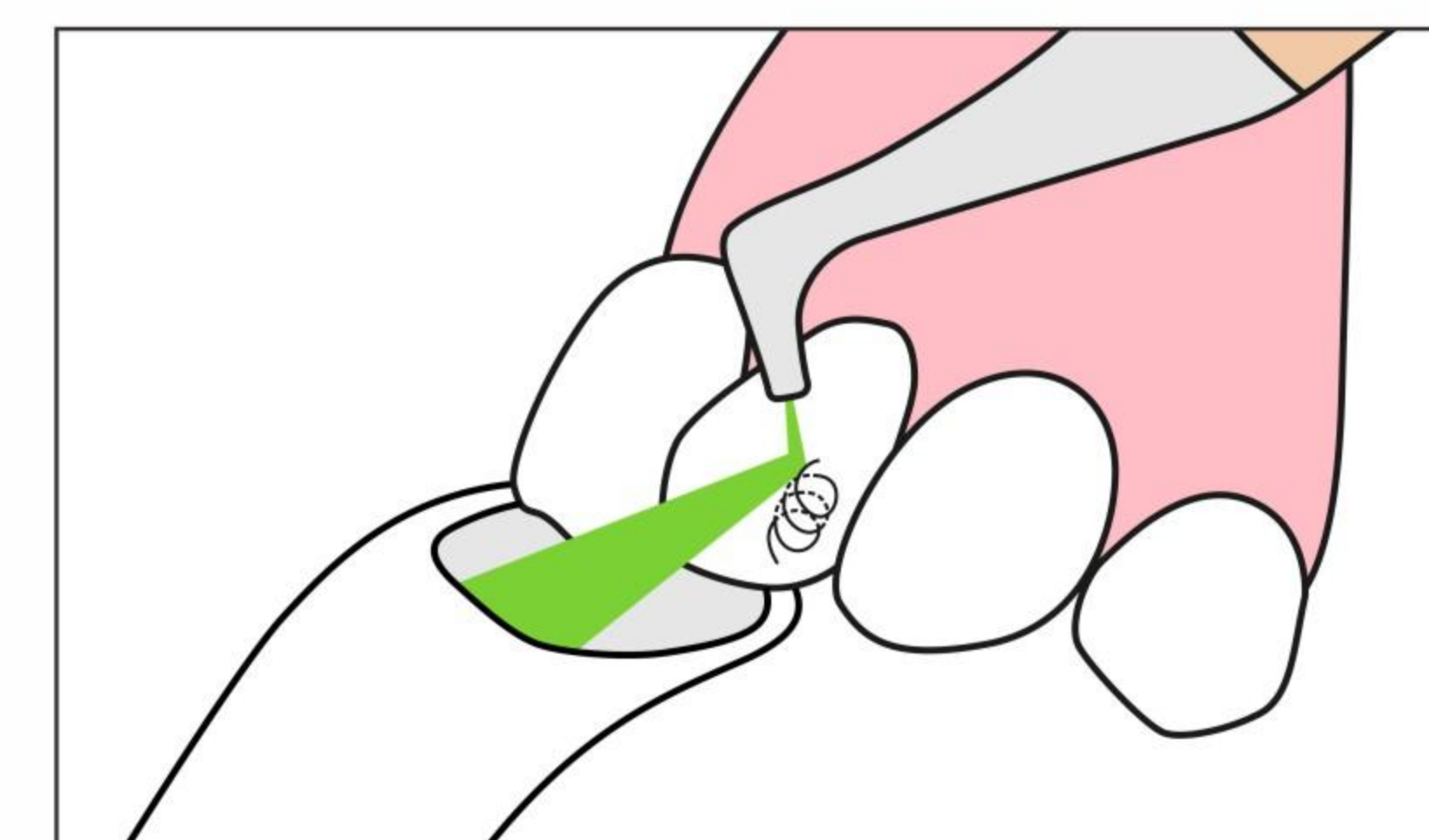


3-5mm Distance between the nozzle and the tooth surface: 3-5mm

(Note: Avoid direct contact of powder with oral mucosa.)

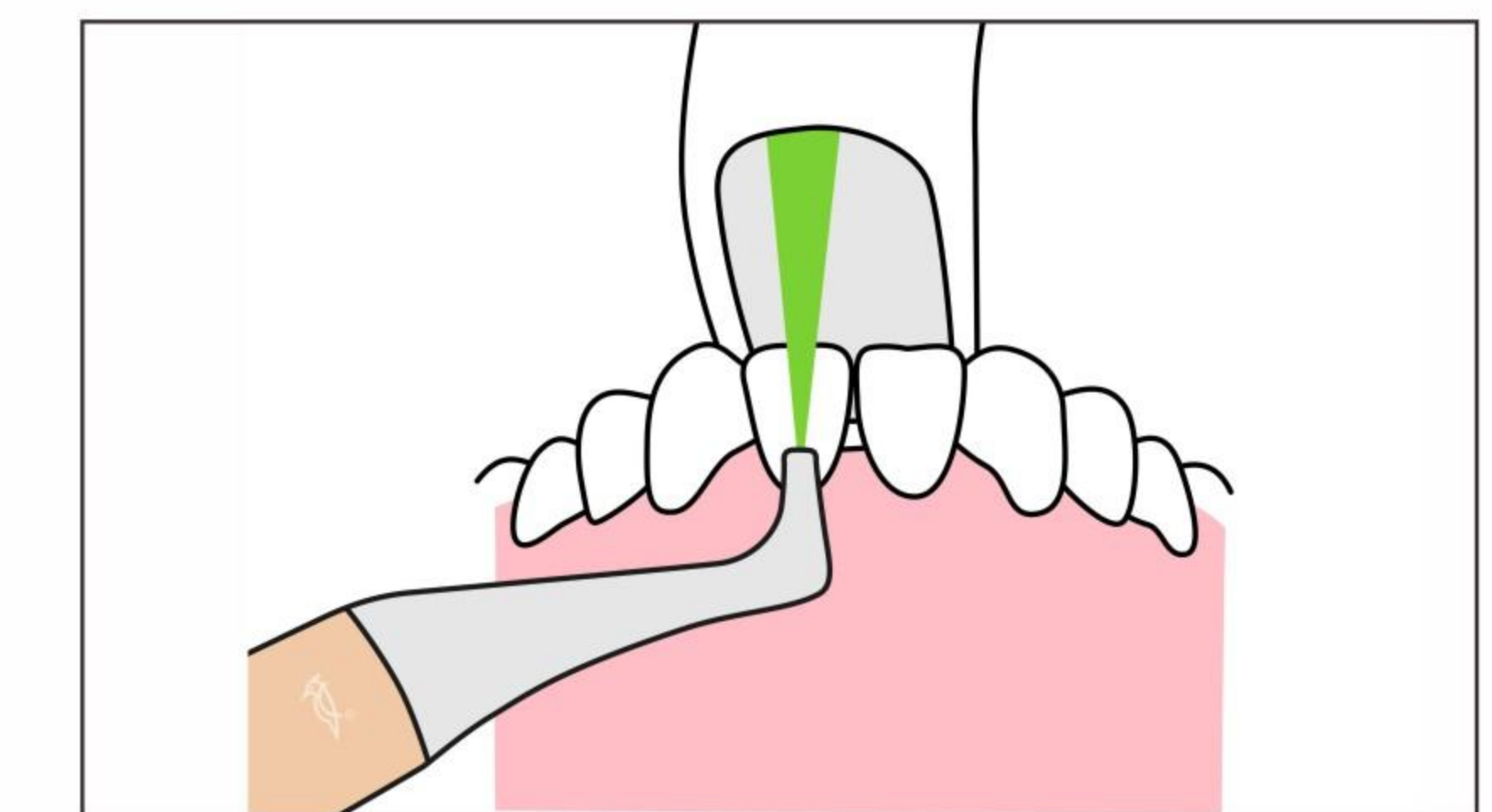


Distance between anterior teeth and the nozzle: 30° - 60° (Nozzle facing the incisal edge.)



Movement trajectory:

Operate in a spiral motion for 1s - 10s on the crown surface



Ensure that the saliva ejector effectively removes as much powder mist as possible.



# 04&05 Supragingival and subgingival ultrasonic scaling

After airstream, perform ultrasonic scaling using titanium alloy tips to remove residual supragingival and subgingival calculus.



Before ultrasonic scaling



After ultrasonic scaling

**ONLY FOR YOU**

Sleeping Scaling Tip Kit

**ONLY FOR YOU**

**Titanium alloy tip**

No harm to teeth  
Suitable for children

**Dedicated disinfection box**

Safeguard your health

## » Communication Script



Dental hygienist:

Now we will use a painless ultrasonic device for your scaling and provide you with a private kit of titanium tips. Unlike ordinary stainless steel tips, the use of titanium not only improves comfort, but also protects your teeth better. After scaling, you'll feel the surface of your teeth smoother.

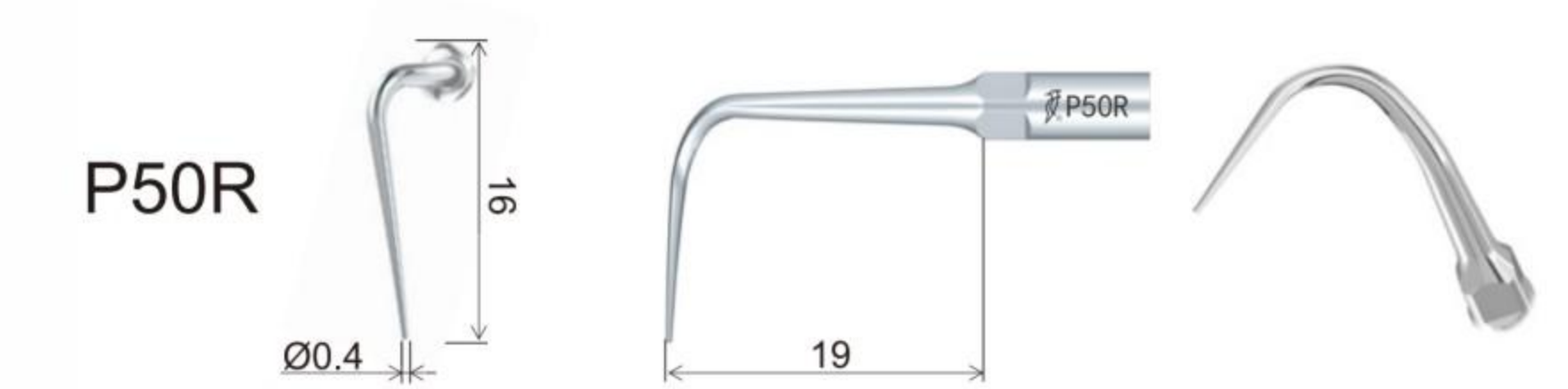
## » Procedure

- ▶ Use straight tips to clean the buccal, lingual, labial, and palatal surfaces of the teeth. Use curved tips to clean the proximal surfaces and gaps of the teeth.
- ▶ The titanium tips (Mohs hardness of about 30) are used for cleaning the supragingival part and subgingival 4-6mm. Employ an elliptical motion to effectively disperse the impact force between the tip and the teeth. It ensures comfort without harming the teeth and reduces the likelihood of scratches.

## Titanium tips: P50L, P50R, P56, P59



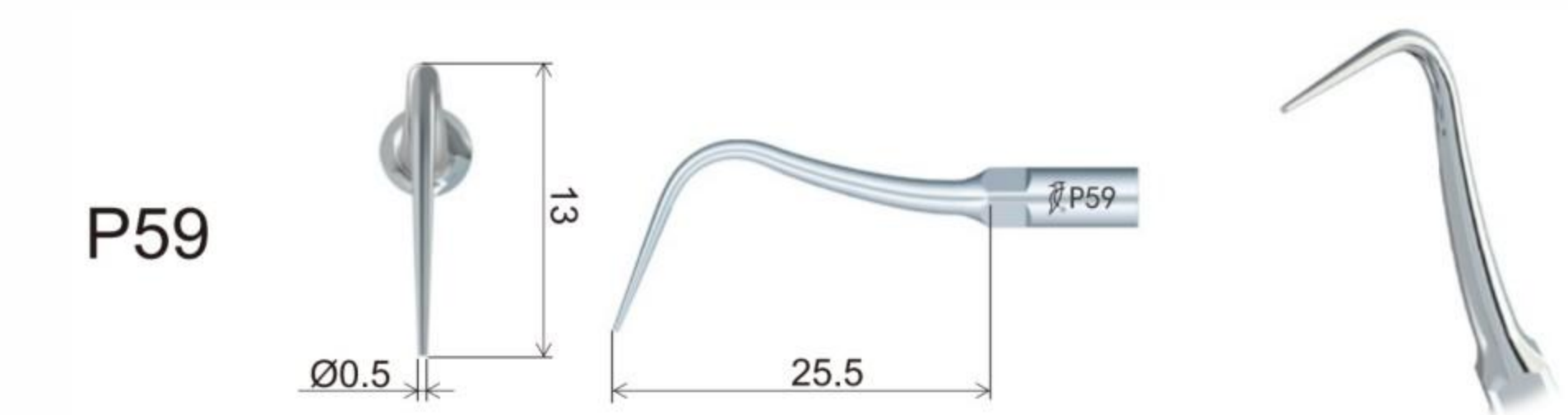
**Function:** For subgingival calculus probing, subgingival scaling, and root planning  
**Application:** For cleaning the palatal half of proximal surfaces, the buccal half of proximal surfaces, the lingual half of proximal surfaces, and the buccal side of proximal surfaces  
**Operation:** The end of tip is perpendicular to the long axis of the tooth, ensuring that the front or back 2 mm tip end adapts to the tooth surface. Move the tip up and down.



**Function:** For subgingival calculus probing, subgingival scaling, and root planning  
**Application:** For cleaning the buccal half of proximal surfaces, the palatal half of proximal surfaces, the buccal half of proximal surfaces, and the lingual half of proximal surfaces  
**Operation:** The end of tip is perpendicular to the long axis of the tooth, ensuring that the front or back 2 mm tip end adapts to the tooth surface. Move the tip up and down.



**Function:** For removing large supragingival calculus and biofilm, without damaging the gums during marginal cleaning  
**Application:** For cleaning the labial (buccal) and lingual (palatal) sides of all teeth, suitable for cleaning calculus in the lingual fossa  
**Operation:** The end of tip is parallel to the long axis of the tooth, ensuring that the tip end ball adapts to the tooth surface.



**Function:** For subgingival calculus probing, subgingival scaling, and root planning  
**Application:** For cleaning the labial (buccal) and lingual (palatal) sides of all teeth  
**Operation:** The end of tip is parallel to the long axis of the tooth, ensuring that the right or left 2 mm tip end adapts to the tooth surface. Move the tip front and back.



## Specific ABC Treatment Steps

# 06 supragingival airstream



### Airstream nozzle

- 0.7mm small-caliber nozzle, more concentrated airstream, more efficient scaling
- High coaxiality water-air structure realizes the good wrapping of powder by water, reducing the flying of powder
- Fluid dynamics simulation design for gentle release of energy
- Avoiding harm to soft tissues and preventing scratches on the tooth surface



### 14µm Erythritol: supragingival + subgingival

This product provides a one-stop solution for effortlessly removing biofilm and calculus adhered to the surface of enamel, dentin, soft tissues, restorations, orthodontic appliances, or implant surfaces. The ultra-fine 14µm particles allow both supragingival and subgingival uses. The formulation includes chlorhexidine, making it a unique powder with antibacterial effects.

- Features:
- 1、Extremely fine powder, safe and minimally invasive
  - 2、No damage to enamel, root dentin, or soft tissues
  - 3、Erythritol provides natural antibacterial and anti-caries properties
  - 4、0.3% chlorhexidine contained, which can effectively prevent and treat gingivitis and periodontitis



### 25µm Glycine: supragingival + subgingival

This product, with 25µm glycine particles, is gentle on soft tissues within periodontal pockets, gums, upper jaw, and tooth surfaces. It can be used for pediatric dental care, orthodontics, restoration maintenance, periodontal care, and implant maintenance.

- Features:
- 1、Delicate particles for comfortable and minimally invasive treatment
  - 2、Hardness lower than tooth dentin, suitable for safe subgingival scaling, periodontal care, and implant maintenance

## » Communication Script



Dental hygienist:

Now we will use a more fine 25µm glycine powder to perform shallow supragingival airstream for you. This will remove plaque more precisely, and the amino acids in the powder can also nourish your gums and prevent gingival recession.

## » Procedure

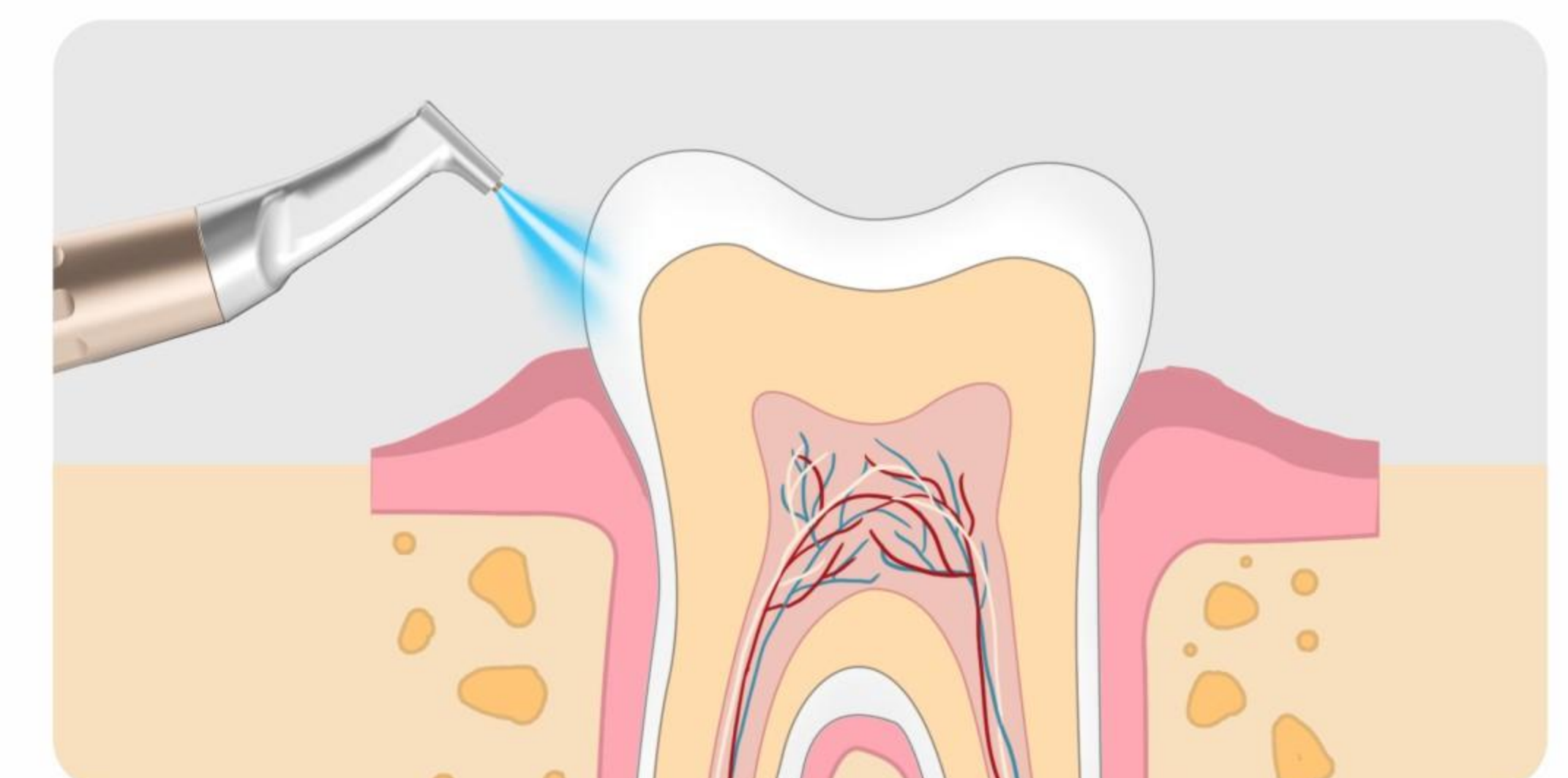
- 1、Replace the subgingival powder container and load the subgingival powder



- 2、Using the supragingival airstream handpiece, adjust the power to the lowest setting, and quickly spray over the gingival sulcus



- 3、Direct the handpiece toward the gingival sulcus, maintain a distance of 3-5mm from the tooth surface, and spray quickly at a 30-60° angle to the tooth surface





## Specific ABC Treatment Steps

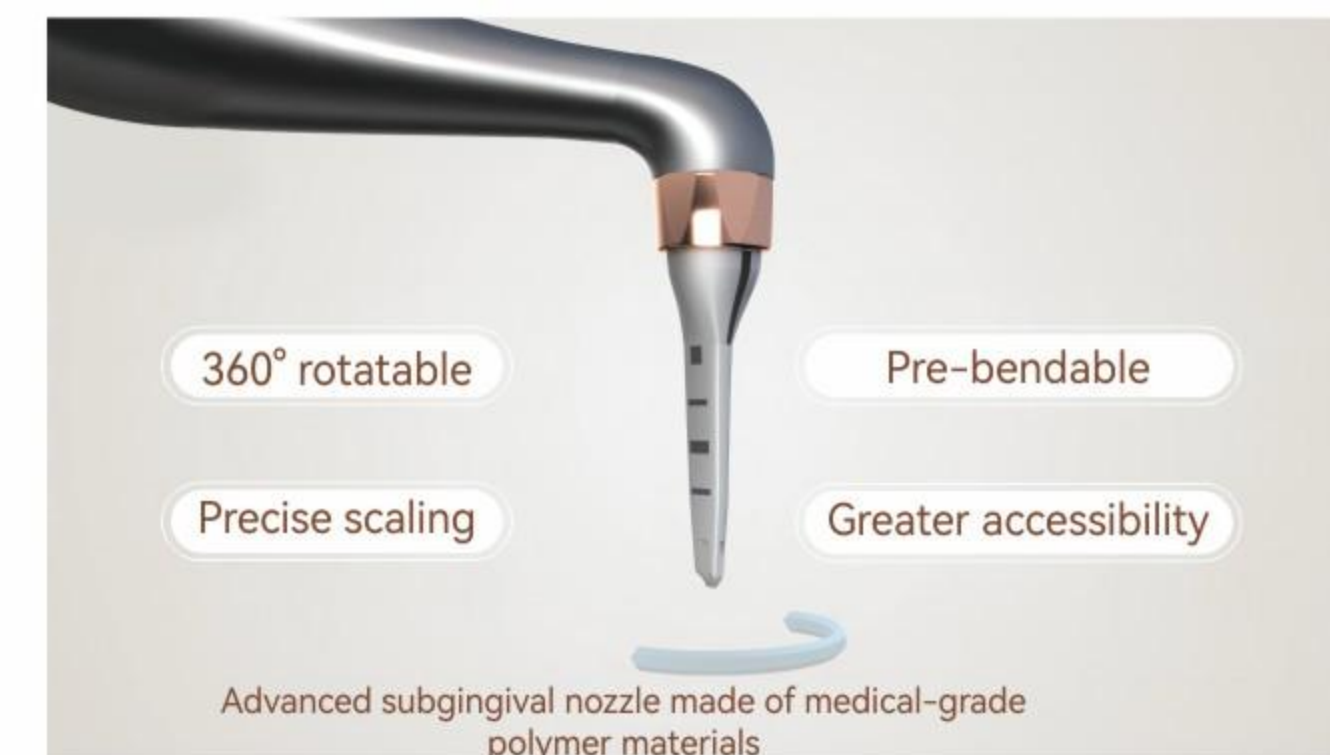
# 07 Subgingival airstream

Woodpecker advanced subgingival nozzle, allowing removal of biofilm from deep periodontal pockets

One water outlet

Three powder outlets

Achieve comprehensive cleaning of periodontal pockets, reducing bacterial colony indices



### » Application of Woodpecker subgingival airstream:

Subgingival deep periodontal pockets of natural teeth, subgingival periodontal pockets, root bifurcations



## Subgingival airstream

### » Gently insert into periodontal pockets

Place the nozzle gently into the periodontal pocket without applying force

If the nozzle cannot effectively penetrate to the pocket's bottom, please avoid applying excessive pressure.

Please use Woodpecker ultrasonic devices

### » No anesthesia required

No anesthesia is required for Woodpecker subgingival airstream.

### » Recommended tip position and movement method

The treatment time for each site should not exceed 5 seconds

Make continuous vertical up-and-down movements along the periodontal pockets

Replace the nozzle after treating 20 sites



### » Ensure good soft tissue conditions

#### Do not use subgingival airstream in the following cases:

1. Do not perform subgingival airstream immediately after any subgingival treatment
2. Bleeding or severe pus discharge at treatment sites
3. Periodontal pockets deeper than the mucogingival junction
4. The tooth to be treated is close to unhealed wounds or extraction sites
5. Fracture signs of the tooth to be treated



## Specific ABC Treatment Steps

# 08 Dentinal tubules sealing

Use remineralizing toothpaste for polishing and protecting the tooth surface

Repair uneven tooth surfaces, accelerate tooth remineralization, and serve as a preventive measure against cavities while enhancing tooth hardness

Polishing makes the tooth surface smoother, reducing the adhesion of biofilm and alleviating postoperative soreness



### Prophy Motor

Wireless charging, instant charging upon placement

High-precision planetary gear reduction motor ensures accurate output with lower noise, improving the patient experience

Suitable for use after dental treatments such as orthodontic procedures and periodontal scaling

### Disposable prophy angle



Prophy Angle Cup - Soft 1



Prophy Angle Cup - Soft 2



Prophy Angle Cone



Prophy Angle Cup - Hard 1



Prophy Angle Cup - Hard 2



Prophy Angle Brush - Sharp



Prophy Angle Brush - Flat

## » Communication Script



Dental hygienist:

Hello! Now, we are using remineralizing toothpaste to polish and protect your teeth, similar to polishing and waxing a car. This helps better protect your tooth surfaces. The remineralizing toothpaste can repair uneven tooth surfaces, accelerate tooth remineralization, prevent cavities, and enhance tooth hardness. Additionally, polishing makes the tooth surface smoother, reducing the adhesion of biofilm, and alleviating postoperative acid sensitivity.

## » Procedure

Apply the remineralizing toothpaste with a prophy angle cup on the tooth surface.

Use dental floss to guide the toothpaste into the interdental spaces, and rinse the mouth after completing the flossing process.





## Specific ABC Treatment Steps

# 09 Oral SPA

Use green propolis for oral SPA gingival massage (and wear an eye massager at the same time). The propolis tastes slightly cool, and it helps to freshen breath, improve gingival elasticity and toughness, prevent gingival recession and periodontal diseases.



### Green propolis

Breath freshening, gingival care,  
great antibacterial effects



### Eye massager

Stimulate acupoints around the eyes  
Soothe tension in the eye muscles  
Enhance the comfort and natural feel of oral SPA experience

## » Communication Script



Dental hygienist:

1. Now we're offering you an oral SPA gingival massage (and wear an eye massager at the same time) with green propolis. It tastes slightly cool, able to freshen breath, improve gingival elasticity and toughness, prevent gingival recession and periodontal diseases.
2. Now I will give you a facial massage. Our mouth is talking all day long, so it also needs to be relaxed from time to time. This process can not only relax facial muscles, but also promote saliva secretion. Frequent massage can also help to eliminate nasolabial folds.

## » Procedure

Before the massage,  
change into new gloves and use  
green propolis to do gingival  
massage



After gingival massage,  
change into new gloves for facial  
massage and hot compress.  
Rinse the mouth after completing  
the entire process.



For the oral SPA part,  
ask whether patients if they wear  
contact lenses or colored contact  
lenses, and ask if they have done  
any facial beauty projects recently.





## Specific ABC Treatment Steps

# 10 Recall



Dental hygienist:

While the patient is having a hot compress, organize the case history and the patient's intraoral photos taken earlier. After the hot compress is finished, remove the hot towel, help the patient to stand up, and say "Thank you for your cooperation today." Next, go to the chair and analyze the patient's oral issues based on the intraoral photos. Again emphasize the importance of brushing and flossing. Then, introduce the project charges, schedule the recall time, and give the patient a cup of warm milk after payment.

### » Communication

- 1, Provide specific instructions during the hot compress
- 2, Focus on analyzing the patient's oral issues without direct selling
- 3, Emphasize the importance of correct brushing and regular maintenance

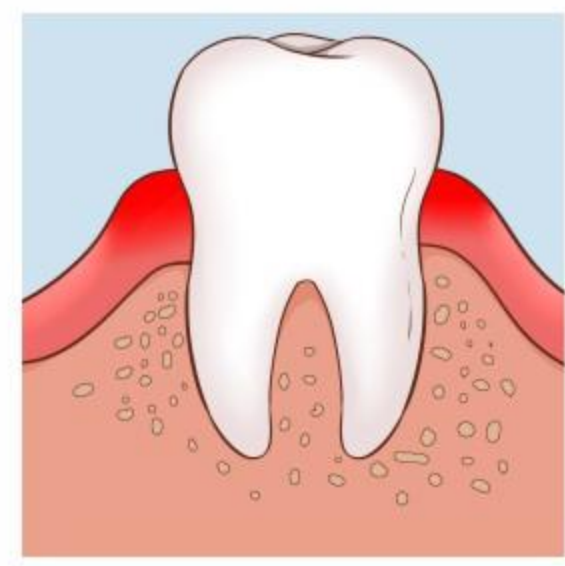
The recall interval must be determined based on each patient's risk assessment, referring to the recommended recall intervals in the table below:

### Natural Teeth



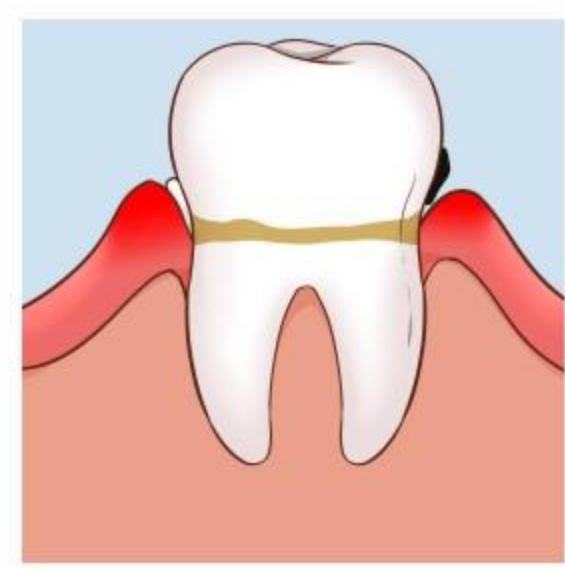
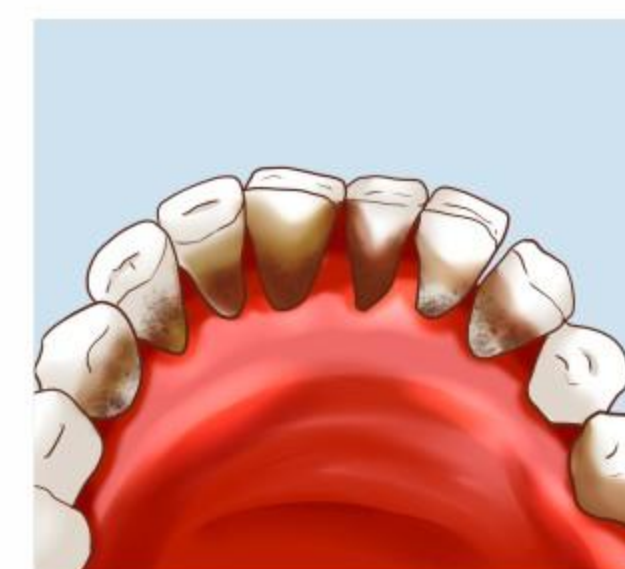
**Healthy**  
Healthy gums  
BOP (-)

6 months



**Gingivitis**  
Shallow periodontal pockets  
No bone loss  
BOP (+)

6 months



**Periodontitis**  
Deep periodontal pockets  
Bone loss  
BOP (+)  
No pus discharge

1 month



**Periodontal abscess**  
Bone loss  
BOP (+)  
Pus discharge

1 month

### Special Groups



Children

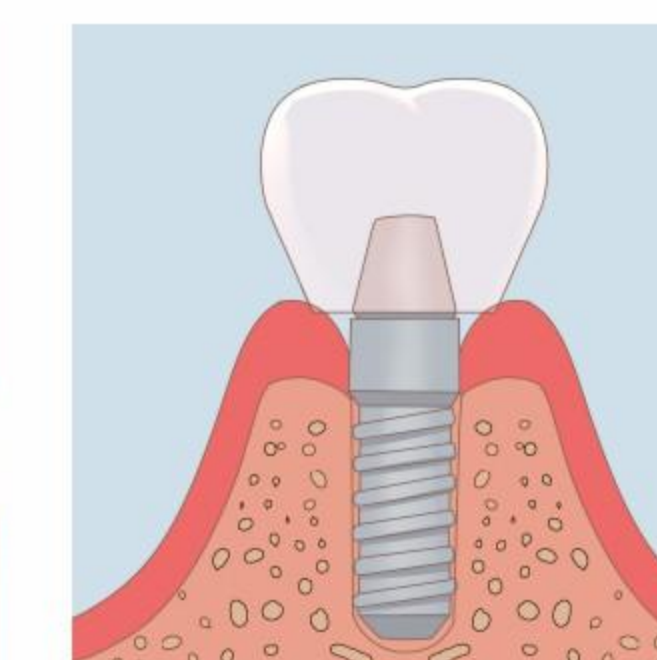
6 months



Orthodontic patients

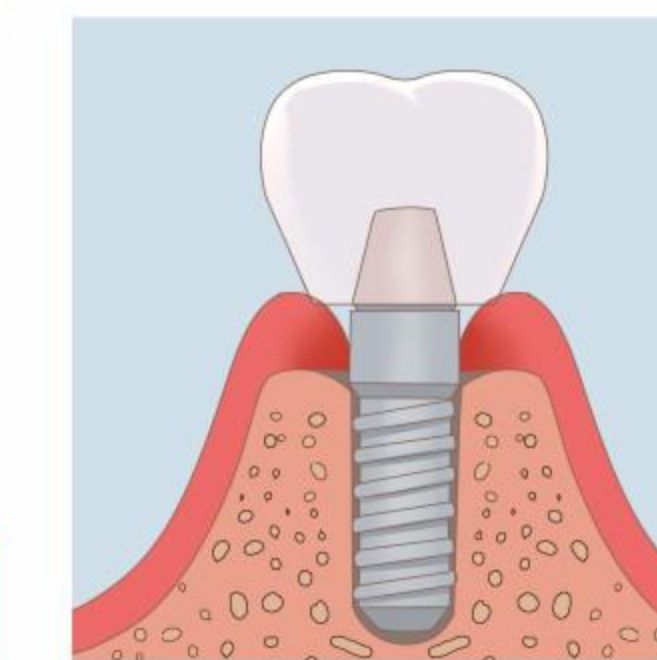
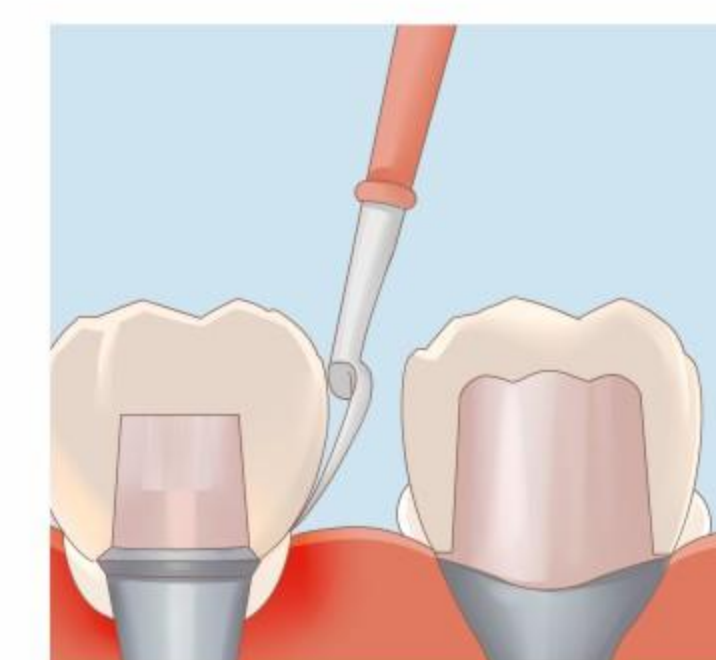
1-3 months

### Implants



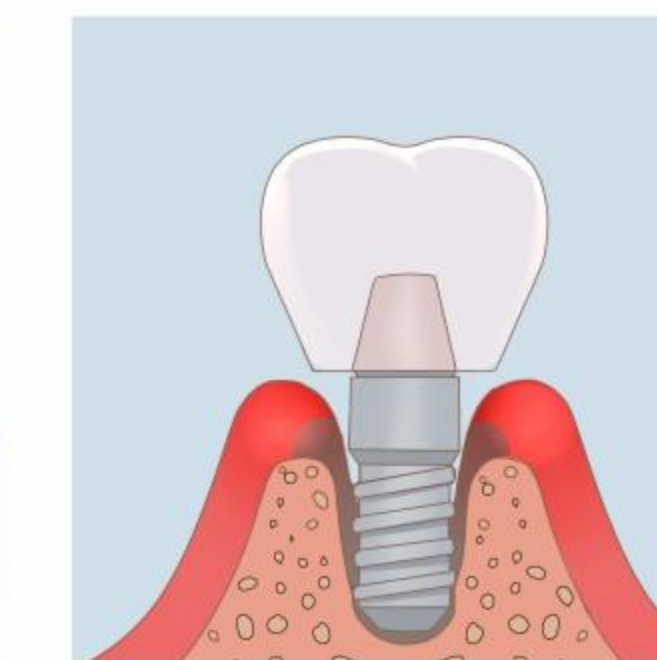
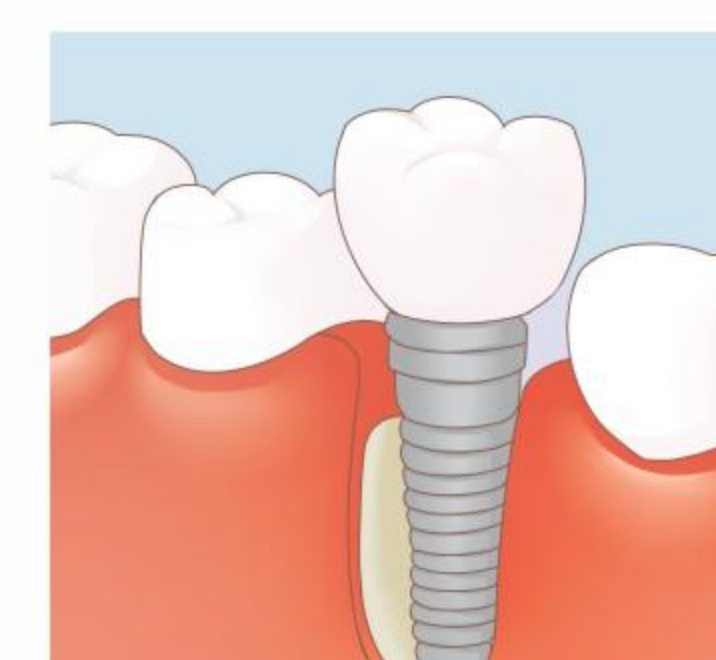
**Healthy**  
No bone loss  
Healthy gums  
No pus discharge

6 months



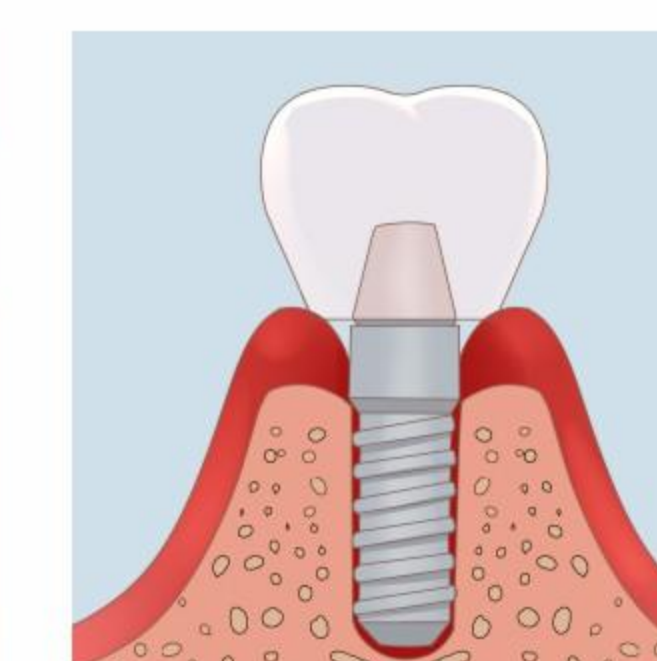
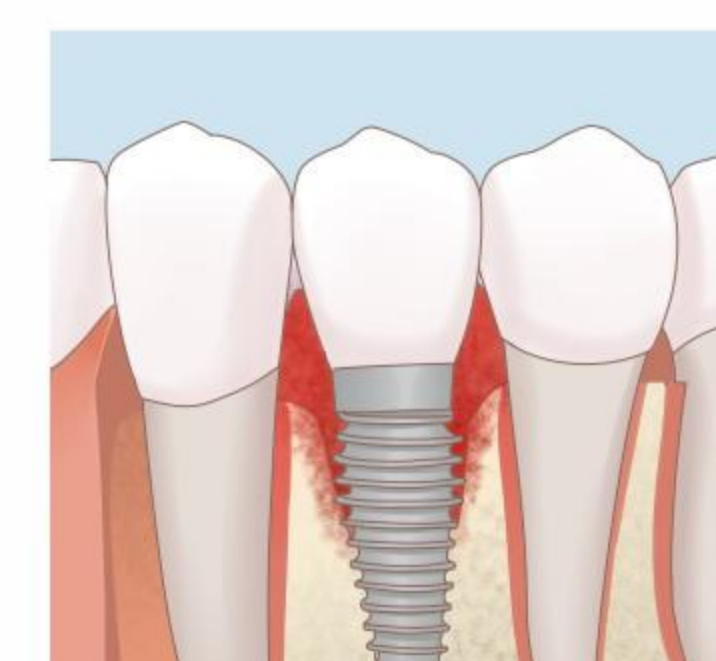
**Peri-implant mucositis**  
No bone loss  
BOP (+)

3 months



**Peri-implantitis**  
Deep periodontal pockets  
Bone loss  
BOP (+)  
No pus discharge

1 month



**Peri-implant abscess**  
Bone loss  
BOP (+)  
Pus discharge

1 month



## Application of ABC in Pediatric Oral Hygiene

» ABC gentle care, instilling oral hygiene habits in children from the start

ABC provides a painless treatment experience for children, which is important for establishing correct oral prevention awareness and forming regular dental care habits in the future.

Please try to use Woodpecker airstream to complete all treatment processes whenever possible, and always consider ultrasonic scaling as the last resort.

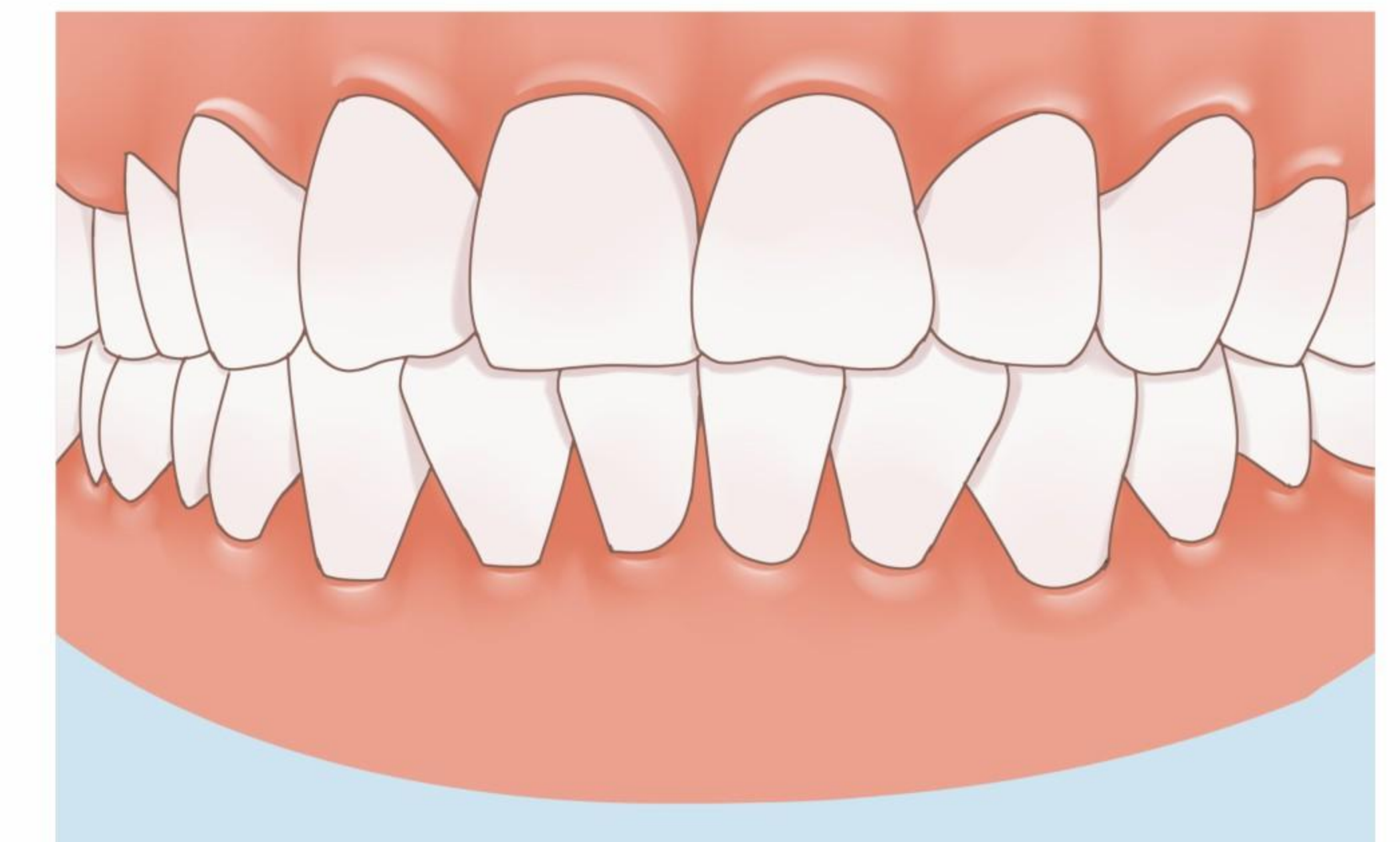


## Application of ABC in Orthodontic Patients' Oral Hygiene

» Natural teeth



Pre-op



Post-op

» Orthodontic teeth



After biofilm disclosing



After Woodpecker airstream



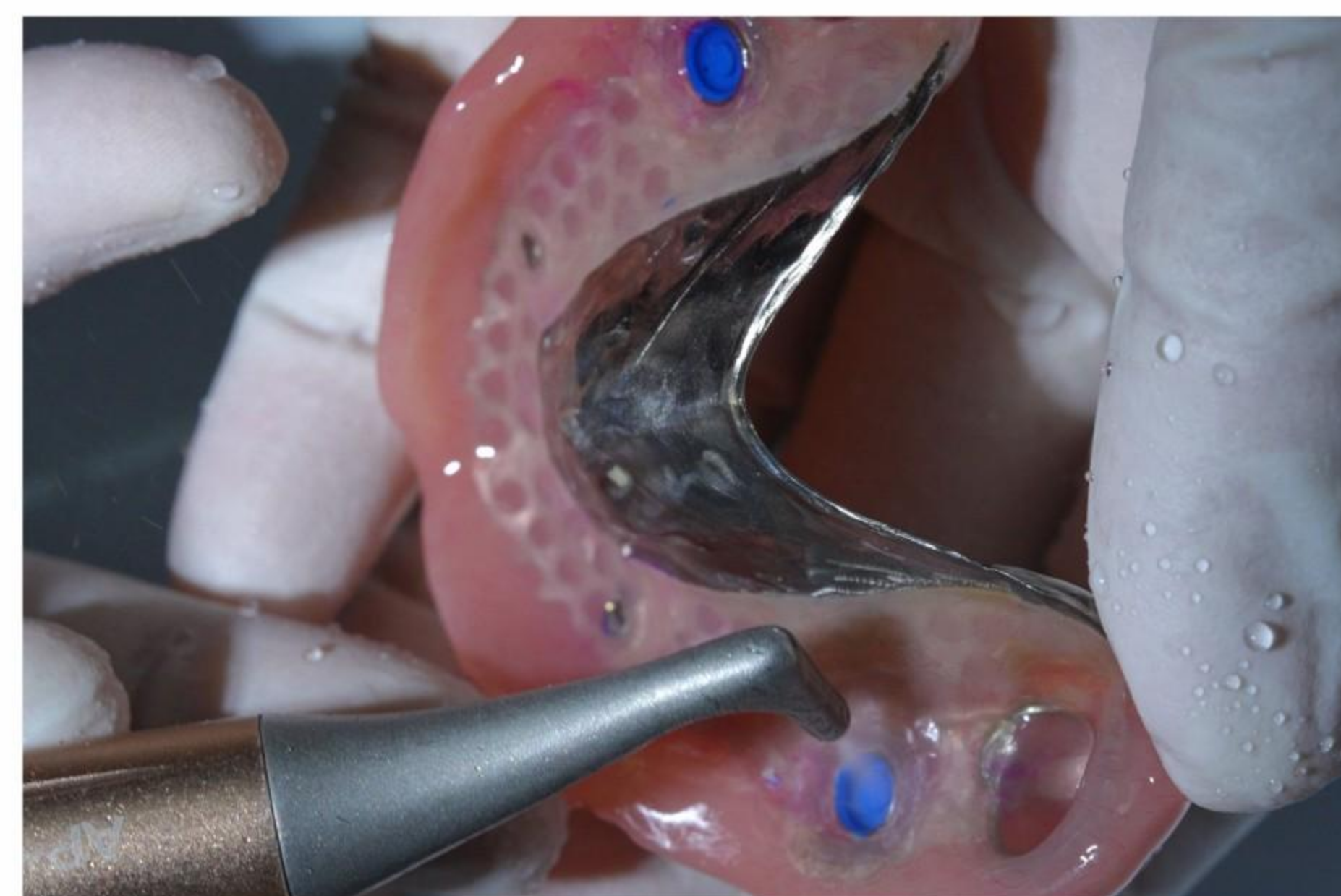
# Application of ABC in Oral Hygiene for Implant and Restoration Patients

## » Supragingival airstream and peri-implant mucositis

1. One of the main challenges in implant treatment is the prevention and treatment of peri-implant mucositis and peri-implantitis. This requires a combination of special daily dental care measures and regular professional biofilm removal.
2. Before cleaning, please try to remove the restoration. However, many implant crowns are placed without considering the need for regular cleaning in the future.



Airstream of biofilm on the implant



External abutment cleaning



Cleaning method for non-removable restorations



Cleaning with PEEK tips

## » Sequence of Airstream and Ultrasonic Scaling in Implant Cleaning

1、 It is recommended to start with Woodpecker supragingival airstream for cleaning around implant mucosa, which is painless and suitable for soft tissues, implants, abutments, and various ceramic surfaces, without the risk of scratching.

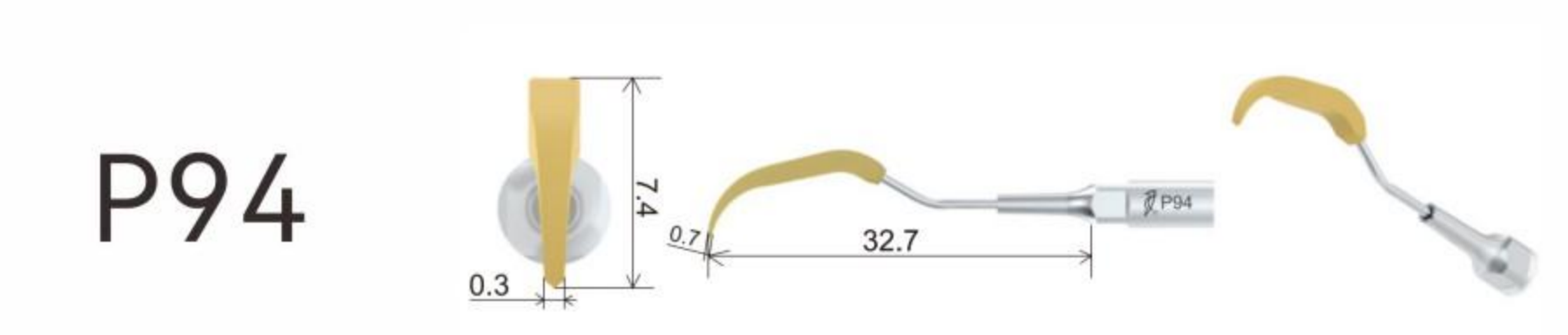
2、 If the depth of the gingival sulcus is greater than 4mm, subgingival airstream should be used. In case of stubborn calculus, it is recommended to use PEEK tips.

## PEEK tips



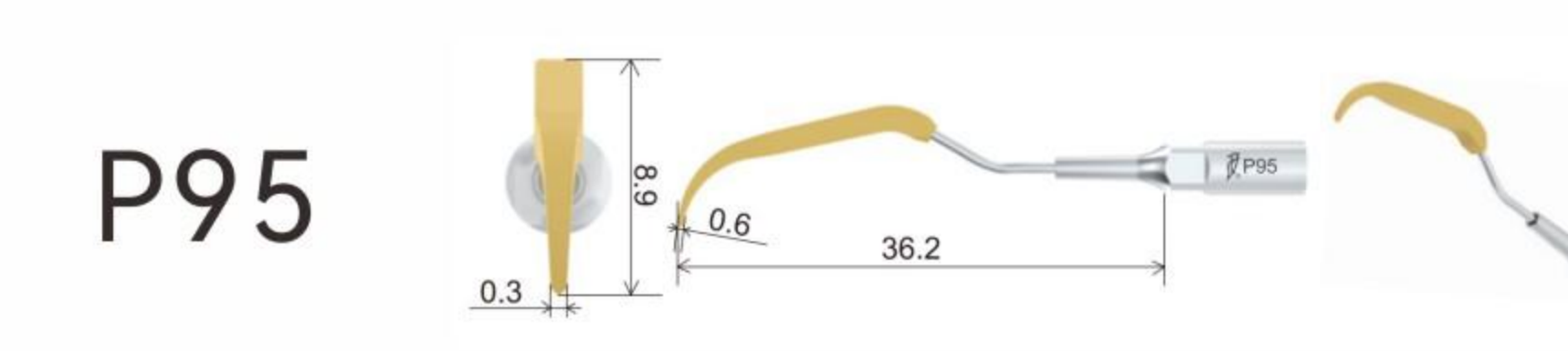
P90

Application: Labial (buccal) and lingual (palatal) surfaces of implants and restorations  
 Operation: The tip end is parallel to the long axis of the tooth, ensuring that the right or left 2 mm tip end adapts to the tooth surface. Move the tip front and back.  
 Note: Ensure there is water out of the handpiece before installing the tip to avoid damaging the tip.



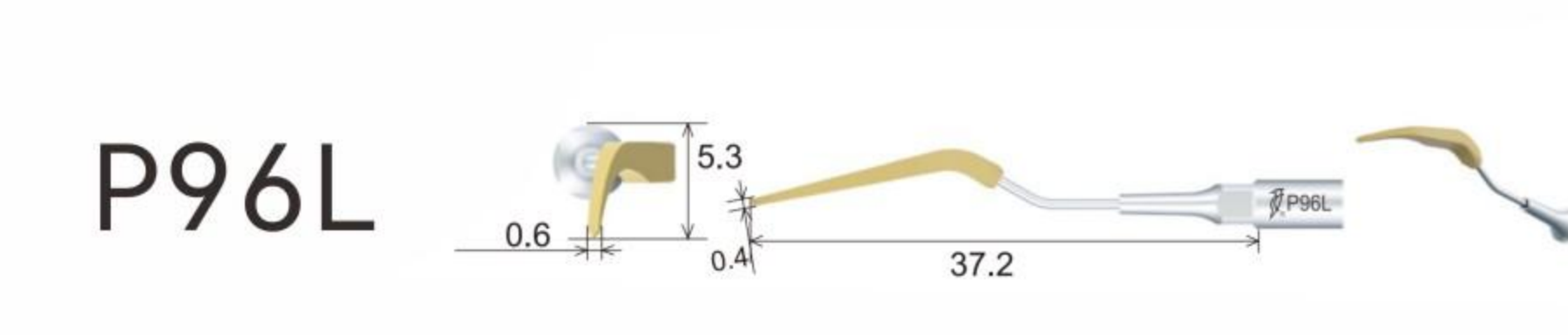
P94

Use: Used in P mode of Periodontal Treatment Device. Recommended power level: level 1~3  
 Used in P mode of U600. Recommended power level: level 1  
 Used in P mode of U6. Recommended power level: level 1~3  
 Note: (1) The plastic part is made of PEEK material which can be disinfected under high temperature and high pressure. The higher the power, the easier it is to wear;  
 (2) Avoid the tip getting stuck in the tooth gap during operation to prevent tip breakage.



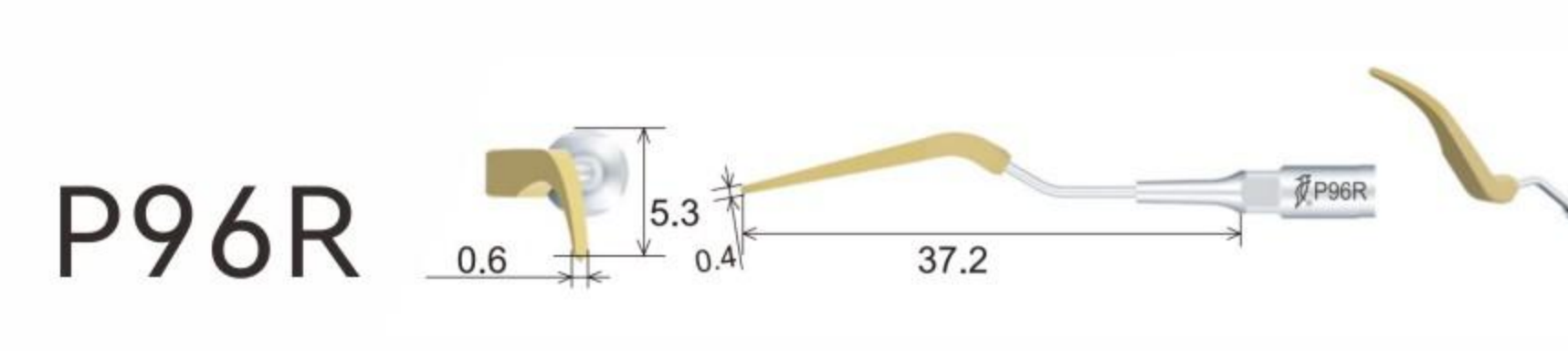
P95

Use: Used in P mode of Periodontal Treatment Device. Recommended power level: level 1~6  
 Used in P mode of U600. Recommended power level: level 1~3  
 Used in P mode of U6. Recommended power level: level 1~6  
 Note: (1) The plastic part is made of PEEK material which can be disinfected under high temperature and high pressure. The higher the power, the easier it is to wear;  
 (2) Avoid the tip getting stuck in the tooth gap during operation to prevent tip breakage.



P96L

Features: The tip is of a slender hook shape, making it easier for subgingival cleaning and maintenance.  
 The tip end is twice bent, so it does not touch the adjacent teeth and buccal surfaces, enabling wider application areas.  
 Use: Used in P mode of Periodontal Treatment Device. Recommended power level: level 1~5  
 Used in P mode of U600. Recommended power level: level 1~2  
 Used in P mode of U6. Recommended power level: level 1~4  
 Used in P mode of ordinary scalars. Recommended power level: low (level 1~3).



P96R

Features: The tip is of a slender hook shape, making it easier for subgingival cleaning and maintenance.  
 The tip end is twice bent, so it does not touch the adjacent teeth and buccal surfaces, enabling wider application areas.  
 Use: Used in P mode of Periodontal Treatment Device. Recommended power level: level 1~5  
 Used in P mode of U600. Recommended power level: level 1~2  
 Used in P mode of U6. Recommended power level: level 1~4  
 Used in P mode of ordinary scalars. Recommended power level: low (level 1~3)



# FAQs

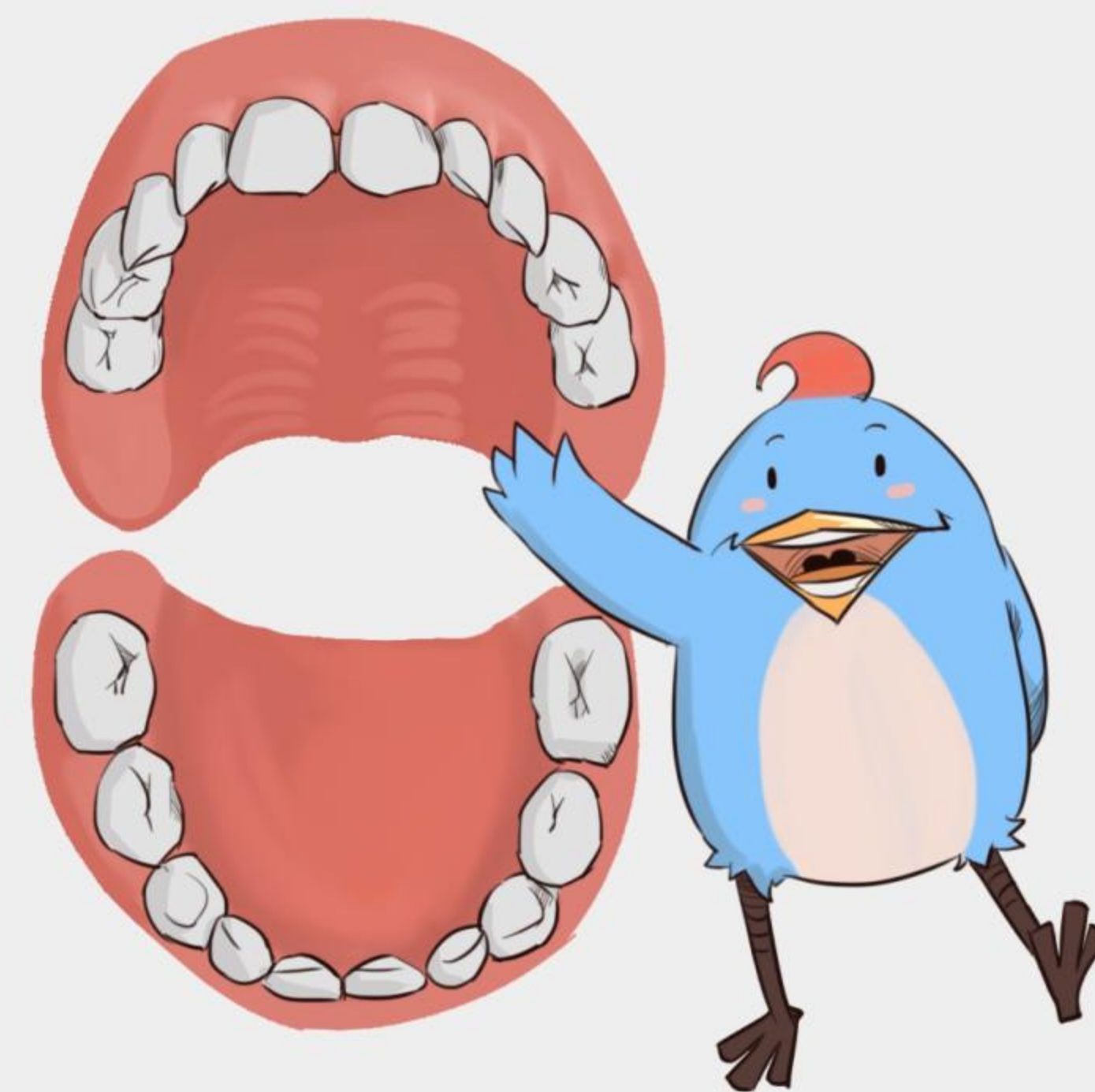
## Q: When should tooth cleaning start?

A: Tooth cleaning should begin when the first primary tooth emerges. It is recommended to visit the dentist for cleaning twice a year.

## Q: What is professional tooth cleaning?

A □ According to the latest consensus of European periodontal experts, professional oral hygiene follows the ABC protocol, which includes 10 steps:

1. DIAGNOSIS (Moderate to heavy calculus)
2. BIOFILM DISCLOSING
3. SUPRAGINGIVAL AIRSTREAM (65µm powder: Super Pro, Fast, Gentle)
4. SUPRAGINGIVAL ULTRASONIC SCALING
5. SUBGINGIVAL ULTRASONIC SCALING
6. SUPRAGINGIVAL AIRSTREAM (65µm powder: Super Pro, Fast, Gentle)
7. SUBGINGIVAL AIRSTREAM (25µm Gentle Mini, 14µm Super )
8. DENTINAL TUBULE SEALING
9. ORAL SPA
10. RECALL (Every 3/4 months)



## Q: Why is regular tooth cleaning necessary?

A: The oral cavity is a warm and humid "greenhouse" with potentially up to 600 types of bacteria. These bacteria are mainly removed by daily oral cleaning such as brushing. However, routine cleaning may not thoroughly eliminate all bacteria, leaving some bacteria on the tooth surfaces for a long time, which may cause cavities, gingivitis, and periodontitis. Therefore, regular tooth cleaning is required. In addition, professional oral cleaning can also prevent and treat periodontal diseases. Regular tooth cleaning can help you prevent bad breath and tooth loss, and keep your teeth young forever.



Before tooth cleaning



After tooth cleaning

## Q: Will tooth cleaning damage teeth?

A: Professional dental cleaning performed by trained professionals using specialized instruments does not damage teeth. The process should be gentle and precise, removing only bacteria, calculus, and stains from the tooth surfaces without causing any trauma. Moreover, regular tooth cleaning can reduce the risk of periodontal diseases and cavities, serving as an essential method to maintain healthy teeth and periodontal tissues.

## Q: What should we pay attention to after tooth cleaning?

A: Avoid consuming pigmented beverages and foods, such as coffee, cola, chocolate, within 6 hours after tooth cleaning. Within 24 hours after tooth cleaning, avoid extremely hot or cold foods to prevent gum irritation. Temporary sensitivity may occur due to the removal of calculus on the tooth root surfaces, but it usually resolves naturally within 2-3 weeks. If there is significant bleeding from the gums during cleaning, it indicates gum inflammation and congestion. After tooth cleaning, the swollen gums return to normal. After the calculus is removed, the teeth gap will widen, and the teeth may become loose. These symptoms may be improved through regular oral hygiene.



# FAQs

## Q: Do dental implants also need regular cleaning?

**A:** Yes, dental implants also need regular cleaning. Implants rely on bone tissue for support. People who have had periodontal disease are more likely to develop inflammation around the implant, such as peri-implant mucositis and peri-implantitis. These inflammations can gradually destroy the bone tissue that supports the implant, eventually leading to the implant's detachment.

## Q: What is the routine cleaning for dental implants?

**A:**

1. Dentists use gentle ultrasonic devices to precisely remove bacteria and calculus adhering to the tooth structure or restoration surfaces, followed by polishing to achieve a smooth surface for teeth and restorations.
2. Implants have surfaces made of soft metals, and specialized ultrasonic tips are needed for cleaning. Perform gentle subgingival airstream with glycine powder to thoroughly remove bacteria attached to the implant surface.
3. These procedures are both gentle and precise, ensuring thorough cleaning without causing any damage to the implant surface.

## Q: How to take care of dental implants after surgery?

**A:**

1. Avoid brushing your teeth or rinsing your mouth with water within the first 24 hours after surgery, as excessive rinsing can lead to bleeding from the wound. However, mouthwash can be used after meals to prevent food residue in the mouth. You can start eating and drinking in moderation 2 hours after the surgery, avoiding very hot foods.
2. Use antibiotics routinely postoperatively, and the dosage will be determined by the doctor based on the patient's recovery.
3. Due to individual differences in constitution and surgical procedures, patients may experience varying degrees of surgical reactions. Mild reactions may cause little or no discomfort, while severe reactions may result in local swelling and bruising, generally lasting 3-5 days.
4. Painkillers are generally not required after surgery. If a patient is more sensitive, painkillers can be used on the day of surgery. After 24 hours, the patient should no longer experience continuous pain.
5. The sutures are usually removed 7-10 days after surgery. Timely suture removal helps prevent local infection.