

# **Full Arch Hygiene Protocol**

Patients should be evaluated and categorized into **3** different **Recall Frequency Groups (RFG's)**. An evaluation of homecare should be made during the prosthetic phase of treatment for full arch prosthesis patients. This evaluation should take place at their prosthetic appointments especially when interim prosthesis are removed and replaced because clinicians will have an unimpaired view of soft tissues, abutments and prosthetics

## **What to Look For**

1. **Heavy Calculus Buildup:** Record areas where instrumentation is needed to remove calculus from abutments, or prosthesis.
2. **Difficulty with Maintenance:** Patients that report this should be documented. The difficulty may be due to prosthesis shape and extension or patient's homecare abilities, which may need to be improved with training.
3. **Persistent Tissue Irritation:** Any area of redness or bleeding tissues should be recorded and monitored closely at subsequent visits.

## **Recall Frequency Groups (RFG's)**

### **Group 1:** 3 Month Recall.

Patients with dexterity or coordination difficulties, heavy calculus or tissue irritation will be placed in this group due to challenges with homecare. Prosthesis should be removed twice a year for this group and this will continue until an improvement is observed. Intraoral abutments can be cleaned and debrided with Pineyro Arch Kit instruments.

### **Group 2:** 6 Month Recall

Patients with moderate calculus build up located at the abutments or framework/abutment junctions can be placed in this group. Cleanings are completed at every visit but prosthesis removals is recommended once a year to track areas of calculus formation and evaluate tissues. Pineyro Arch Kit instruments are recommended for hygiene visits and can be used with prosthesis in place and when prosthesis is removed to debride the implant componentry.

**Group 3: 1 Year Recall**

Patients that have low calculus production and great home care can be placed in this group. Cleaning are recommended yearly and can be completed using Pineyro Arch Kit. Removal of prosthesis is only necessary if any biological complication is evaluated.

**Instruments**

There are many instruments that exist to clean around implants. Stainless steel instruments are the gold standard for tooth related hygiene. Stainless steel has been shown to aggressively scratch titanium and acrylic and this can induce an increase in bacterial colonization. Plastic instruments were introduced in the 1980's to help avoid scratching titanium components. The disadvantage of using plastic instruments is that they are very ineffective for removing hard deposits. The other disadvantage is that they have to be thick or the plastic can bend. Plastic instruments can be used to remove biofilm but are ineffective for other deposits and debris.

Titanium instruments have many advantages over both Stainless steel and plastic instruments. They do not scratch components as aggressively and they can be made thin enough to fit around components.

All of the titanium implant hygiene instruments that exist, follow the design of a previously designed scaler meant for natural teeth. For patients with Full Arch restorations, or any circular implant components, these scalers are not useful. There is a new set of hygiene instruments that were designed specifically for Full Arch prosthesis. The set includes 4 instruments and can be used while the prosthesis is in the mouth, thus decreasing, appointment time and need of removal.

## **The Pineyro Arch Kit™**

The Pineyro Arch Set™ is the only hygiene set that has been specifically designed for dental implant maintenance. Designing hygiene instruments that follow the anatomy of dental implants provides greater efficiency, ease of use and predictability. Patients benefit from shorter appointments, less gingival trauma and the need for removal of fixed restorations can be eliminated.

The Pineyro Arch set was designed to address the maintenance struggles involved with Fixed Full Arch Implant Restorations. These restorations are challenging because many times it is necessary to remove them for proper cleaning. Until now the instruments used have had inappropriate shapes and configurations increasing the challenges and frustrations.

The Pineyro Arch set includes 4 different instruments designed to complete maintenance appointments without the need for removal of prosthetics.

The 4 instruments are the Pineyro Arch Ti 1 through 4.

**Pineyro Ti1** was designed to debride implants, abutments and prosthetics in the anterior zone. This instrument is especially helpful in the lingual area

of lower anterior zone, where calculus builds up most frequently. This instrument should be used first in the sequence and all anterior areas should be addressed before moving on to the next instrument.

**Pineyro Ti2** was designed to debride the posterior placed implants, abutments and prosthetics in the posterior zone. The special shape of the shank allows for proper access to this area and facilitates its use. This should be the second instrument used in the sequence and all posterior areas should be addressed before moving on to the next instrument.

**Pineyro Ti3** was designed to debride any hard to reach areas not accessed with the previous two instruments. This is especially helpful in accessing the mesial/ distal areas of the implants, abutments and prosthetics. This should be the third instrument used in the sequence and all areas missed by the previous 2 instruments should be addressed before moving on to the next instrument.

**Pineyro Ti4** or all implants prior to taking impressions -clean off abutments for single to hybrid cases prior to cementation

All Pineyro Arch Kit instruments were designed to aid in maintenance without removal of the prosthesis. Sharp cutting edges and tips were eliminated to aid in trauma-less use of the instruments. Due to the design, it is possible to painlessly displace tissue and reach the area between the prosthesis and gingival tissues. This can be accomplished due to flat and large areas of surface contact. When pressure is placed on gingival tissues with a sharp instrument or a small area of surface contact, the patient will feel a painful poking sensation. When the surface area is increased, displacement is easier and less painful. The arch form of the Pineyro Arch Ti1 Ti2 Ti3 and the flat edge of the Pineyro Ti 4 increase the surface area contact and are used for soft tissue displacement. The arch form also adapts to the circular implant componentry and allows for debridement

using an up and down or rotational motion. This makes debridement very effective and efficient.

Furthermore, since all implants have a circular connection, the Pineyro Arch Kit can be used on all implant components. They are especially useful for debriding locator abutment, healing abutments, multiunit abutments (with and without prosthesis) and all circular stock abutments.

The Pineyro Arch instrument has changed the way we look at implant maintenance and hygiene.