



Preferred

Dental Implant Corp

Presents
Innovative & practical
solutions for dental
implants

Company History

- EAS Abutment was developed by Ernst Siegmund, R.D.T., a European-trained dental technician with over 40 years experience in the field, as a result of issues encountered every day in dental laboratories.
- Initial designs utilized by select dentists including the then President of the Canadian Dental Assc. when no other solution would work for their patients. Minimal cases performed with 100% success rate.
- Patents taken out on early design elements while EAS Abutment was further refined. Concorde Technologies founded to hold patents.

Company History

- In 2009 first mass production prototypes manufactured. System underwent ISO 14801 fatigue testing. Successful results and refinements by end of the year. New patent material accumulated to maintain technology development.



Inventor Ernst Siegmund taking a break between hands-on table clinics at CARDP annual meeting

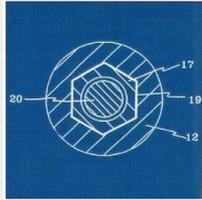
Advantages of the Preferred

EAS Abutment

- Simple 4 Part Design
- Easily Achieved Correct Angulation & Parallelism
- Prevention of Screw Loosening
- Allows Superior Aesthetic Design
- Easy Maintenance & Hygiene

Simple 4 Part Design:

Transmucosal Collar



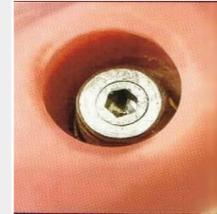
- Left-Hand Threaded (opposite to Fixation Screw)
- High grade medical titanium
- Connects to Implant via Internal Hex



Simple 4 Part Design:

Fixation Screw

- Right-Hand Threaded (opposite to Transmucosal Collar)
- High grade medical titanium
- Connects the Transmucosal Collar to the Implant
- All the advantages of screw retrievability
- Opposed threading initial level of anti-loosening design



Simple 4 Part Design:

Mounting Head

- High Noble Alloy perfect for casting
- Connects to the Transmucosal Collar
- When secured, acts like a 'cap' preventing screw movement & reducing chance of loosening or breakage of fixation screw
- Rounded top allows for unlimited angulation
- Available 'Wide' and 'Narrow' formats



Simple 4 Part Design:

Casting Cylinder

- Delrin Plastic for clean casting
- Waxed into any position by Dental Technician
- Cast in suitable dental alloy
- Thick, solid Abutment allows shaping
- or placement of lateral set-screws



A Simple Process

1



- Transmucosal Collars specific to the implant bodies being used are attached using the Fixation Screws.
- As Transmucosal Collar connection to Mounting Bases are universal, a case utilizing appropriate Collars may be built on multiple implant types in situations involving repair or expansion of old cases.

A Simple Process

2



- The Mounting Bases are reverse threaded onto the Transmucosal Collars.
- The reverse threading helps prevent loosening and the Mounting Base, when engaged, caps the Fixation Screw in place further preventing screw loosening and breakage.

A Simple Process

3



- The plastic Casting Cylinder is angled as desired onto the rounded Mounting Head and waxed into position. These are then removed for casting.
- The waxed cylinder is cast creating an angled abutment which is then re-attached to the Transmucosal Collar as before.
- Further shaping of abutment for design purposes may be performed.

A Simple Process

4



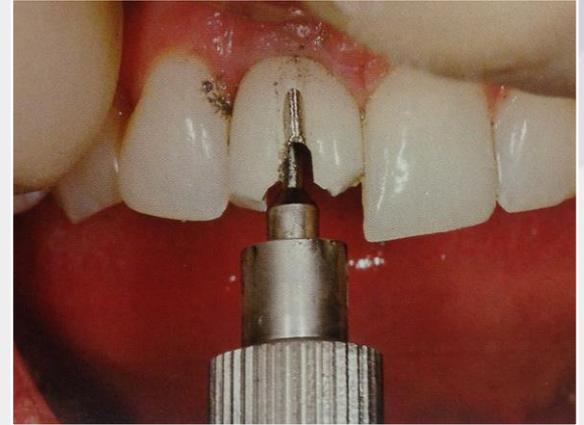
- The restoration may now be fitted to the parallel abutments.
- Lateral set-screws may be used, taking advantage of the solid abutments and retaining easy retrieval for repair or regular maintenance.

Angulation & Parallelism

- Critical for successful case design
- Can be difficult due to different angles of Implant placement
- Either ideal bone placement or ideal angle placement is usually sacrificed
- UCLA requires often complex cutting and waxing to achieve
- CAD can require offsite milling and often still requires correction due to inaccuracy of results
- Preferred EAS allows easy Abutment angulation without sacrifice

Fixation Screw Loosening & Breakage

- Screws tend to loosen and break leading to case failure. Preferred's Transmucosal Collar's opposed threading prevents screw movement
- Crowns may have to be cut to access loose screws with other systems leading to expensive remakes
- Screw retained prosthetics preferred for maintenance
- The EAS Abutment maintains the benefits of screw retention while successfully addressing the major downside



Aesthetics & Hygiene

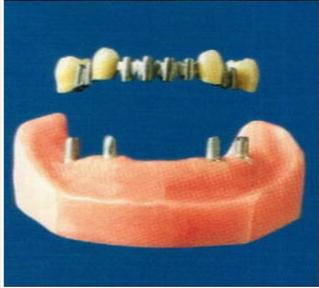
- Difficult angulation can lead to unsightly visible access holes for screws
- Poor angulation and subsequent access hole placement can also lead to structurally weak restorations
- Covering screw access holes with plugs or composite seals can still lead to discoloration and compromised aesthetics for the patient

- Competitors' Deficiencies



Aesthetics & Hygiene

- EAS Abutment Benefits

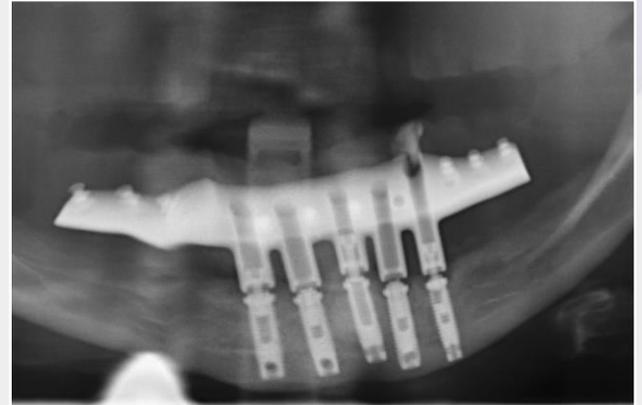


- Control over parallelism allows freer case design and improves aesthetics
- Easy removability allows easy cleaning, repair and maintenance
- Cementing can cause bone loss and make removal for repair or maintenance difficult. The solid EAS abutment is ideal for lingual screw techniques, providing easy access and solid retention

Aesthetics & Hygiene

- EAS System allows screw retention benefits without the aesthetic flaws apparent in competitor system design
- Many challenges to long term repair & maintenance are now emerging. With Transmucosal Collars to fit major implant bodies, these replacements and repairs can be done with the EAS Abutment without having to remove or alter the implant body
- Old cases with multiple makes of implant body can be repaired easily with EAS!

- EAS Abutment Benefits



Why Would A Dentist Switch to Us?

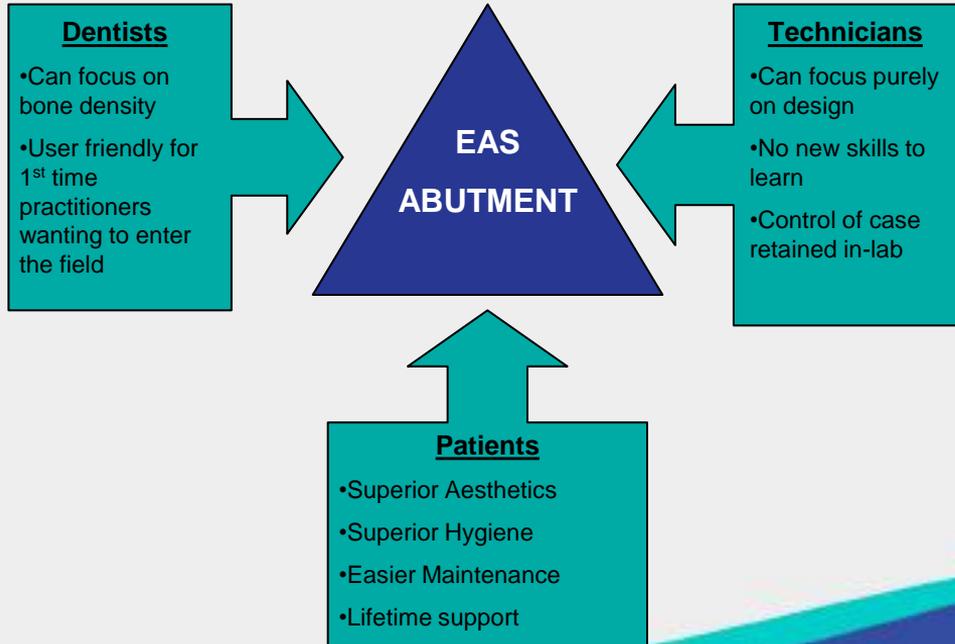
OTHER SYSTEMS

- Less control over angulation
- Sacrifice proper implant placement for aesthetics
- Design difficulties increase time and expense
- Difficult removal
- Hard to give proper follow-up maintenance or repair
- Difficult techniques
- New technologies require non-typical skill sets
- Barrier to many looking to enter field

EAS SYSTEM

- Doctor can focus on optimal root placement – no compromises on aesthetics or biology
- Easy removal allows proper maintenance on a lifetime investment. Follow ups add to dentist's bottom line
- System can be used with existing skill sets. Technicians save time, money and training.

EAS Benefits



Competition Lacks Full Featured Product

	Fixed Angle Abutment 	CAD/CAM Milled 	UCLA-Style Abutment 	EAS Abutment 
Full 360° Angulation				
Easy Removal for Maintenance				
Use with Typical Lab Skills & Equipment				
Total Design Control by Technician				

The EAS allows small labs to quickly produce accurate restorations on par with any larger lab operation.

See what others have said about the EAS System:

What Others Have Said:

It is a very impressive system and one that appears to have significant potential.

Dr. Gordon J. Christensen, DDS, MSD, PhD, *CRA Oral Health Institute*

I received many enthusiastic reviews from the members.

Dr. Allan G. Osborn, *Canadian Academy of Restorative Dentistry and Prosthodontics*



References:

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Product Development to Match A Changing Dental World

Increasing Number of
Implant Bodies



zimmer



COMET 3i



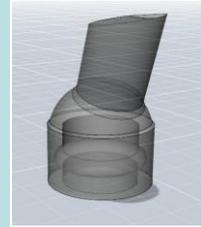
EAS Abutment
Implant
Specific TMC



EAS Abutment
Mounting Base
Developed for:



- Traditional Casting
- Multiple Metals



- Digital
Dentistry:
- CAD/CAM
 - Milling