

ATLANTIS™

A stable yet
removable
prosthesis for
edentulous
patients

A little friction is a good thing

ATLANTIS™ Conus concept



 **DENTSPLY**
IMPLANTS

Redefining stability and comfort

The ATLANTIS™ Conus concept — a conometric solution

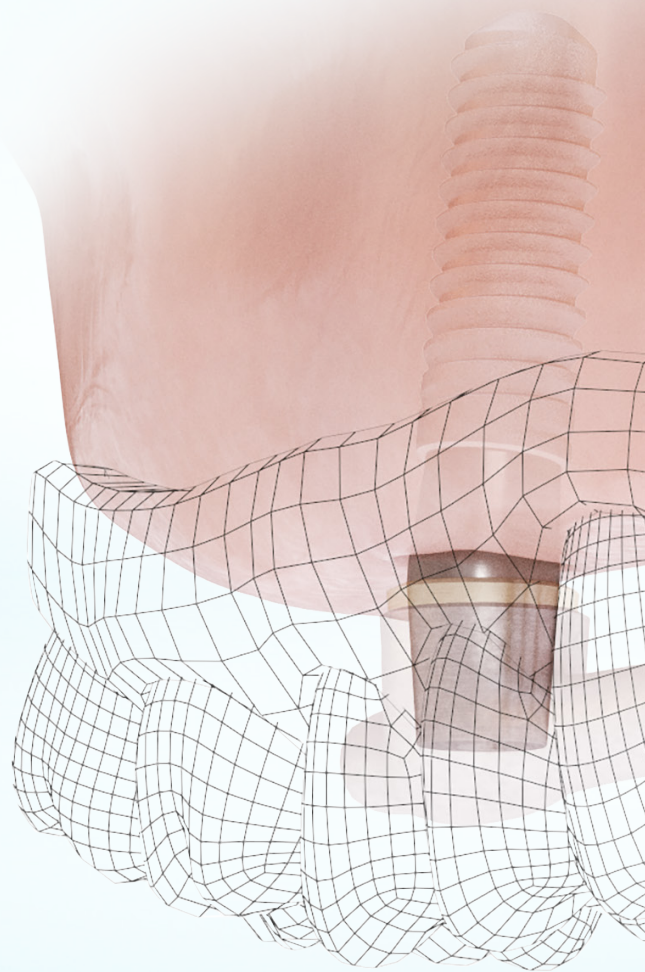
A conometric implant-supported dental prosthesis is an solution that uses a tapered cone design to retain a cap on the abutment by surface friction. The telescopic abutment design and manufacturing standards provide a stable yet removable non-resilient prosthesis.

The ATLANTIS Conus concept is patient-specific, compatible with all major implant systems¹, and provides edentulous patients with optimal comfort, ease of use and function:

- Precision — ATLANTIS VAD (Virtual Abutment Design) software ensures that abutments are designed to be precisely parallel for optimal fit and long-term function of the prosthesis
- Comfort — a palate-free option increases taste and speech capabilities, helping patients eat, speak and smile with confidence for an overall improved health and quality of life
- Simplified cleaning — removable by the patient for optimal hygiene and maintenance routines
- Cost-effective — no extra retention elements and routine follow-up for replacement of retention elements, saving both time and money for the patient

ATLANTIS Conus concept can help expand treatment possibilities because it can compensate for resorption and malposition of the alveolar ridge, which can present limitations for fixed solutions.

¹ Refer to the ATLANTIS Abutment implant compatibility chart, www.dentsplyimplants.com



With ATLANTIS Conus concept, your patients will receive:

- A stable yet removable prosthesis, offering the perception and security of a fixed restoration
- Optimal chewing function and sense of taste thanks to a free-palate option
- Desirable phonetic function and esthetic results
- A prosthesis that is easy to clean and maintain
- A cost-effective solution






Deliver the best of both worlds

Why choose between stability
and easy maintenance?

With ATLANTIS Conus concept, patients receive the benefits that both fixed and removable solutions have to offer. Friction-retained, conometric retention allows for removal of the prosthesis for better hygiene and easier maintenance, while delivering the added comfort and confidence of a fixed solution.

Because a little friction is a good thing.

A woman with long brown hair, wearing a white lab coat, is smiling and holding a dental model of a lower jaw with a metal prosthesis. In the background, another woman is seated and smiling, holding a clipboard. The setting is a modern dental office with white walls and equipment.

“By offering the ATLANTIS Conus concept to my patients, I am able to provide a cost-effective solution that delivers the benefits of a removable and the functional attributes of a fixed prosthesis.”

*Arnold Rosen, DDS, MBA
Private practice, Boston, Massachusetts, USA*

83%

clinicians would consider
upgrading their patients
to a more stable
solution.²

² Results from an internal survey with clinicians in North America, Germany, Spain and France. Data on file.

A blue geometric shape, resembling a stylized star or a cluster of overlapping triangles, located in the top left corner.

For all
major implant
systems

Freedom to choose your implant systems

Why not continue working the
way you're used to?

Whether your patient needs implants, or already has implants in place, ATLANTIS Conus concept easily adapts to each situation.

Available for all major implant systems, you can provide your patients with a stable and yet removable solution with your preferred implant system, and even in cases where multiple systems are used.

Because a little friction is a good thing.

More than

50

compatible implant
connections.³

³ Refer to ATLANTIS abutments implant compatibility chart,
www.dentsplyimplants.com



"Not only is the ATLANTIS Conus concept very affordable, it is also a great solution for those patients who need facial flange support and an open palate for taste and comfort."

*Lars Hansson, CDT, FICOI
Bay View Dental Laboratory, Chesapeake, Virginia, USA*



"The digital technology behind the ATLANTIS Conus concept allows us to restore implants that are not perfectly parallel to each other in a semi-fixed fashion."

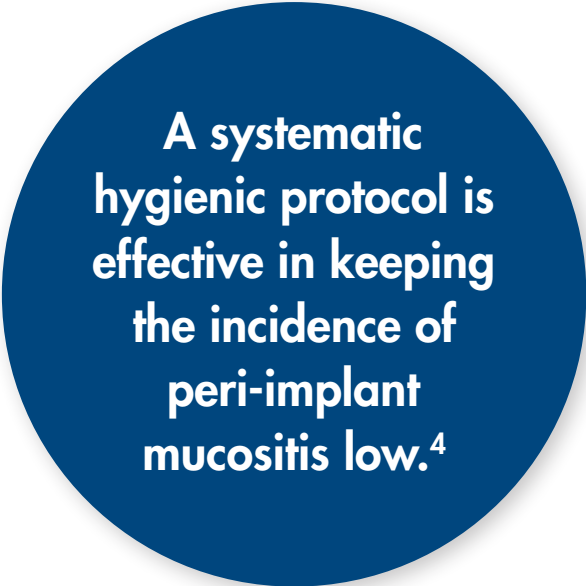
*Lars Bouma, DDS, MS, FACP
Private practice, Oklahoma City, Oklahoma, USA*

Easy maintenance, even as patients grow older

Will the solution you provide today meet
your patients' needs in the future?

Cleaning and maintenance of the prosthesis is a daily routine required to ensure optimal, long-term results. The conometric retention of ATLANTIS Conus concept allows for removal of the prosthesis for better hygiene and easier maintenance, even as patients age.

Because a little friction is a good thing.




**A systematic
hygienic protocol is
effective in keeping
the incidence of
peri-implant
mucositis low.⁴**

⁴ Corbella S, et al. Clinical evaluation of an implant maintenance protocol for the prevention of peri-implant diseases in patients treated with immediately loaded full-arch rehabilitations. Int J Dent Hygiene, 2011; 9(3):216–222.



On average, 26 minutes are spent replacing plastic retention elements for each patient visit.⁵

⁵ Results from an internal survey with clinicians in North America, Germany, Spain and France. Data on file.



"ATLANTIS Conus concept is a quantum leap for dental technicians. Thanks to ATLANTIS abutments, which are individually designed and manufactured to always be parallel to each other, and with tops standardized to fit the prefabricated SynCone caps, producing implant-supported conical, friction-retained superstructures is now easier."

*Thomas Eberhardt, MDT
Dental-Keramik Eberhardt, Münster, Germany*

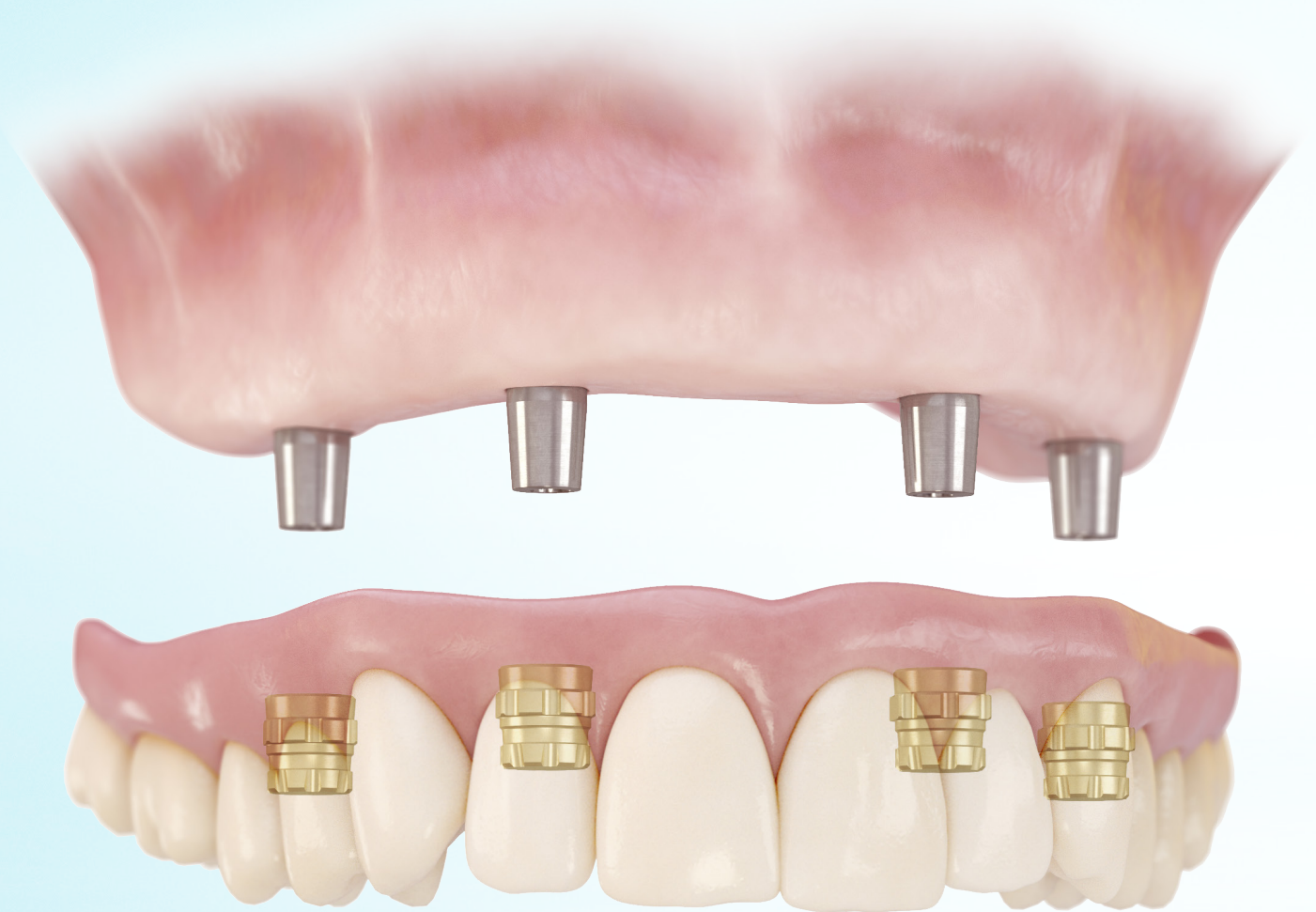
Regain lost time

Are maintenance visits for replacing worn-out retention elements becoming routine?

Unlike other removable solutions, the ATLANTIS Conus concept does not require plastic retention elements that can easily wear out over time, resulting in your patients coming back routinely for replacement of parts. Fewer maintenance visits mean a higher level of patient convenience and satisfaction. The additional time saved also means greater productivity for new cases and more patients.

Because a little friction is a good thing.

A digital solution –
planned from the
restorative perspective
and implemented in
ATLANTIS



ATLANTIS™

Conus concept

The patient-specific solution that saves time and increases practice profitability

ATLANTIS Conus concept is comprised of patient-specific ATLANTIS Conus abutments and SynCone caps. The ATLANTIS Conus abutments are individually designed using the patented ATLANTIS VAD (Virtual Abutment Design) software, ensuring abutments are parallel, and their restorative margins are as close to the soft tissue as possible.

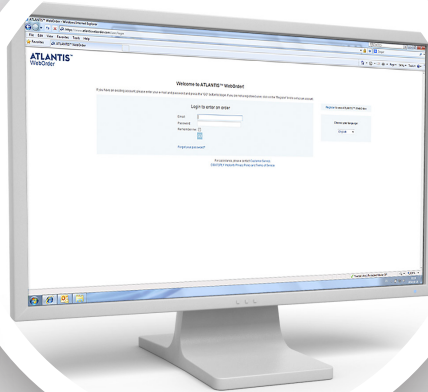
ATLANTIS Conus concept brings simplicity and enhances dental practice profitability by eliminating the time and cost for inventory management and chairside modifications. In addition, ATLANTIS is also an easy way to add a premium dimension to your clinic's prosthetic offering.⁶

⁶ Abutments are positioned according to the space requirements of the final restoration; therefore, a diagnostic tooth set-up is always required.

Easy ordering procedure

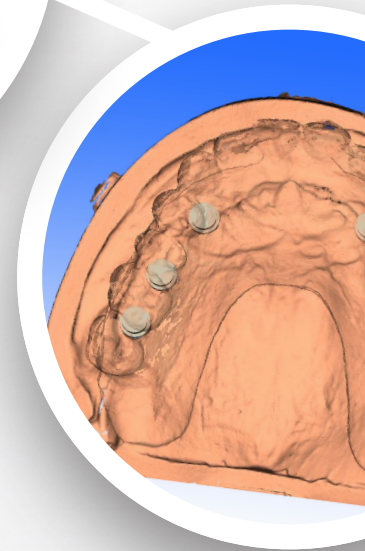


Clinical impression



Online ordering

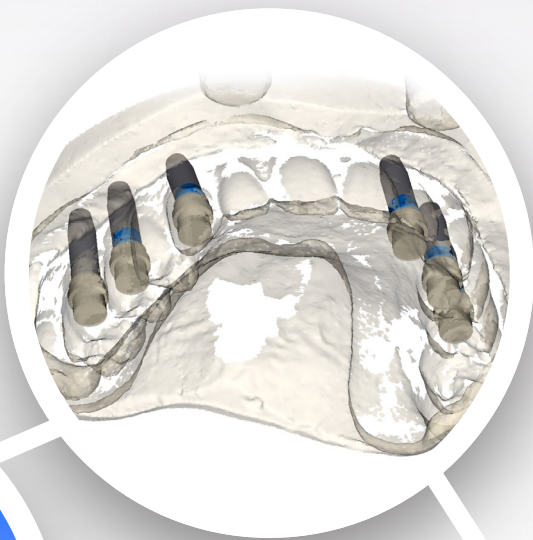
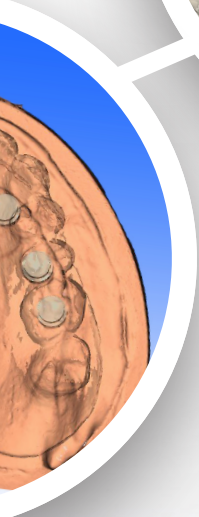
The dental clinician sends an impression and case material with a request for ATLANTIS to the dental technician, who then orders the abutments and caps in ATLANTIS WebOrder.⁷



ATLANTIS patient-specific prosthetic solutions – Beyond CAD/CAM

- Easy to order – as a clinician you simply take an impression and send case material and a prescription form to your dental laboratory.
- Designed with your preferences incorporated – the sophisticated ATLANTIS design software considers all aspects of the design parameters with your specific requirements and preferences incorporated.
- Delivered ready to use – before production and quality control, ATLANTIS allows for simplified review and approval of design. At the time of delivery, the abutments require no additional manual modifications before placement.

⁷ To ensure proper placement and alignment, a diagnostic tooth set-up is always required.

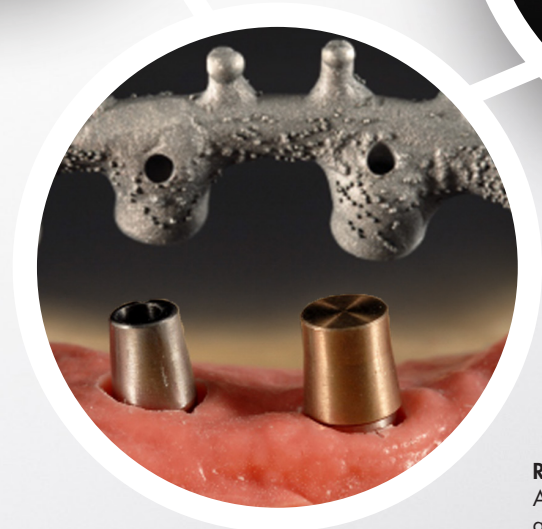


Customer review

The treatment team reviews and approves the design before production and quality control by DENTSPLY Implants.



Final prosthesis



Ready to use for final prosthetics

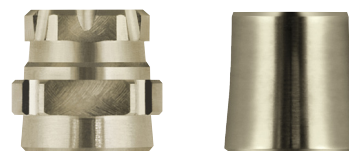
After production and control, abutments and caps are shipped together to the dental laboratory, for production of the final prosthesis.

Sophisticated design software

DENTSPLY Implants receives the order and designs the patient-specific abutments.



ATLANTIS™ Conus Abutment – overdenture
a patient-specific abutment designed to fit SynCone caps.



SynCone® caps are prefabricated and available with and without retention for the denture base and without for the metal framework.

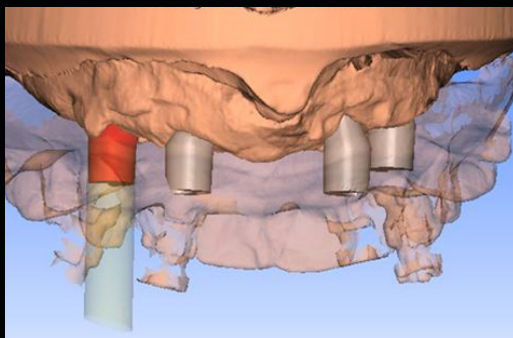
Case studies

Examples of removable prostheses with fixed stability

The flexibility of the ATLANTIS Conus concept delivers excellent long-term esthetic results when using a completely new prosthesis or the patient's existing denture.

All-acrylic prosthesis

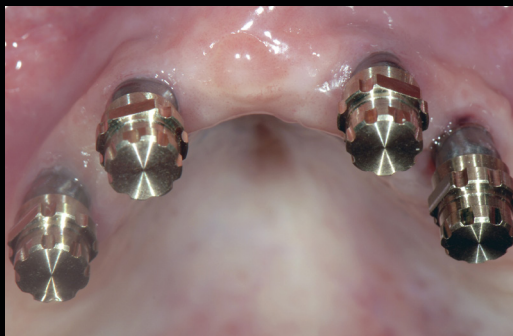
This 54-year-old female patient was complaining of difficulty eating and chronic sores arising from a 22-year-old complete upper denture. The ATLANTIS Conus concept was selected for surgical and restorative simplicity considerations, and as a cost-effective treatment for satisfying the patient's requirements for stability, restored function and esthetics, and easy hygiene maintenance. This was a long-term, temporary solution based on the patient's existing denture, requiring no new supporting framework.



ATLANTIS Conus Abutments are designed in parallel using ATLANTIS VAD (Virtual Abutment Design).



ATLANTIS Conus Abutments are inserted.



SynCone caps, with retention, are in place.



SynCone polymerization sleeves help prevent cold-cured polymer coming between the cap and abutment.



The patient's existing prosthesis is prepared for fitting to SynCone caps and is inserted.



The final result.

Metal-framework prosthesis

This 72-year-old patient was complaining of an uncomfortable, removable prosthesis and requested an esthetic and fixed restoration with easy hygiene maintenance. After extracting seven teeth, the patient was provided with an immediate denture: a conometric restoration on six ANKYLOS C/X implants, using the ATLANTIS Conus Abutment with SynCone caps. This was a final solution with the prosthesis supported by a metal framework.



Healing abutments in place after the second stage of surgery.



ANKYLOS tapered SynCone caps placed on the abutments.



Cobalt-chrome framework on the model with abutments and caps.



Intraoral fixation of the caps cemented with dual-hardening cement to the cobalt-chrome framework.



The removable bridge was finalized and polished in the laboratory.



The final result.

A little friction is a good thing

Your edentulous patients do not only rely on you to replace their teeth. They also rely on you to restore their ability to eat, speak and smile with confidence.

They look to you for solutions that both meet their needs today and continue to support their improved quality of life as they get older. ATLANTIS Conus concept allows you to satisfy your patients' needs.

With ATLANTIS Conus concept, you can provide your patients with the comfort they desire and the stability they need. And because this solution does not require routine office visits to replace retention elements, both you and your patients can use the extra time gained to enjoy more things in life.





Because
it matters



About DENTSPLY Implants

DENTSPLY Implants offers comprehensive solutions for all phases of implant therapy, including ANKYLOS®, ASTRA TECH Implant System™ and XiVE® implant lines, digital technologies, such as ATLANTIS™ patient-specific CAD/CAM solutions and SIMPLANT® guided surgery, SYMBIOS® regenerative solutions, and professional and business development programs, such as STEPPS™. DENTSPLY Implants creates value for dental professionals and allows for predictable and lasting implant treatment outcomes, resulting in enhanced quality of life for patients.

About DENTSPLY International

DENTSPLY International Inc. is a leading manufacturer and distributor of dental and other healthcare products. For over 115 years, DENTSPLY's commitment to innovation and professional collaboration has enhanced its portfolio of branded consumables and small equipment. Headquartered in the United States, the Company has global operations with sales in more than 120 countries.

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