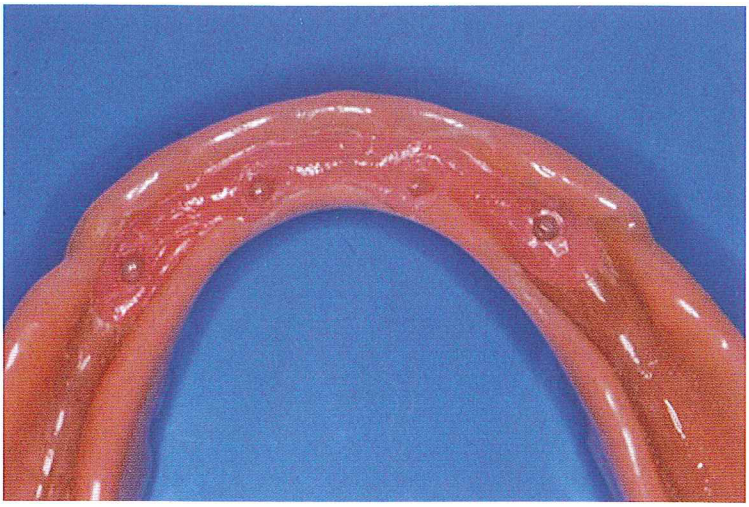
Change your patients' lives with denture comfort



Photos/Provided by Dr. Wolfram Bucking

_In the event patients become edentulous, dentures offer many advantages compared to other alternatives. They are esthetically pleasing, easy to maintain and cost effective. However, these benefits are often hampered by patient discomfort and may lead to difficulty in chewing, pronunciation and freely expressing facial expressions such as smiling or laughing. To compensate, denture wearers often change their daily routine and diet in ways that expose them to greater health risks.

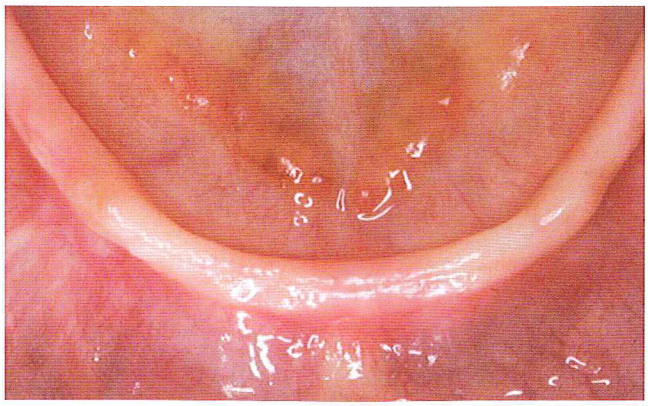
Clearly this situation often leaves dentists less excited about proposing dentures as a viable solution for their edentulous patients. Paul Homoly, DDS, president of Homoly Communications, suggests the shortcomings of a traditional denture treatment prevent most dentists from being content with this treatment option for their patients. Dentatus also found that dentists may be prolonging tooth extractions, particularly in the mandibular arch, because of poor retention of dentures and continual bone resorption.

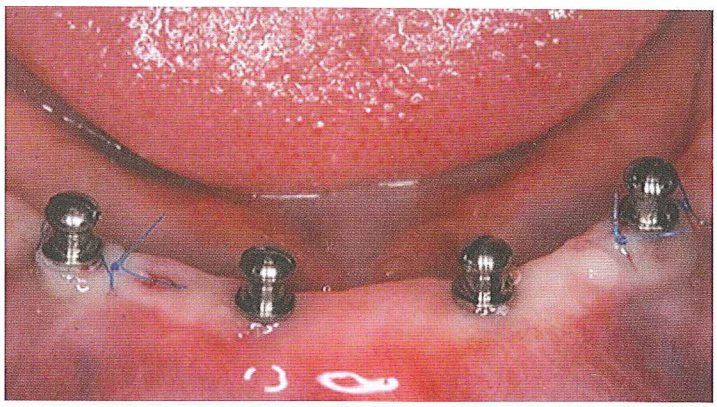
There is, however, a treatment option that can dramatically improve the patient experience with a lower denture and prevent bone resorption. Meijer et al., reports that patients with mandibular overdentures supported by implants are more satisfied compared to patients without the implants. With the advent of narrow-diameter implants, this treatment option is now more accessible than ever before. Dentatus has found that narrow-body implant retained overdentures can overcome many hurdles providing more patients with access to the latest and most beneficial treatments available.

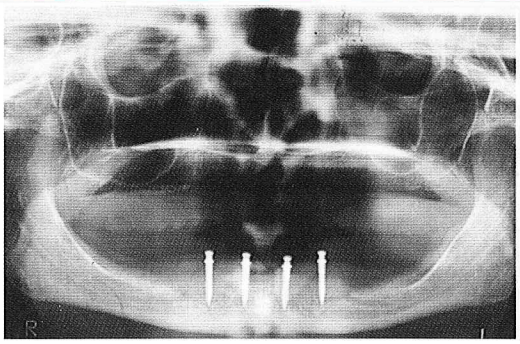
_Research

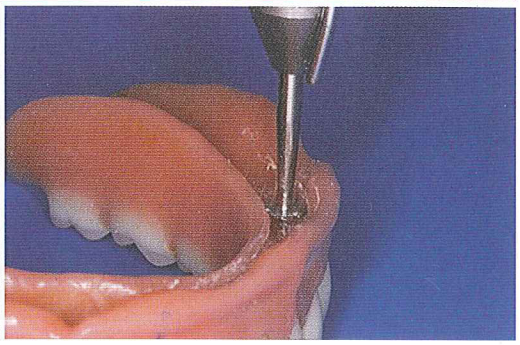
Atlas narrow-diameter implants are built and clinically proven for long-term use. They are tested with university-based research from the around the world; the first results were published in 2004. In 2007, Dr. Sang-Choon Cho, Dr. Stuart Froum and his colleagues from the New York University Department of Implant Dentistry published a study in PPAD stating, "In this study, full mandibular dentures supported by nonsplinted, dome-shaped NBIs provided immediate occlusal loading and function with high survival rates of both the NDIs (i.e., 94.1 percent) and prostheses (i.e., 100 percent)."

In 2005, JOMI published Dr. Michael Rohrer's histology study on Dentatus implants. Rohrer determined that the percentage of bone in contact with the body of Dentatus implants in "the same range and sometimes higher than what is usually seen with conventional implants."









These results support well-known literature about implant design and materials in the following ways: Atlas narrow-body dental implants are composed of grade V, titanium alloy; the threaded portion of the implant is mechanically roughened to increase surface area and maximize the bone-implant interface; and the tapered design better facilitates implant placement, promotes initial implant stability and better distributes occlusal loads along the body of the implant.

_Ease of restoration

Site preparation in the atrophic anterior mandible often provides practitioners with challenging anatomic limitations such as exaggerated facial lingual bone angulation created by the submental fossa and the mentalis muscle insertion. As such, angulation of the implants may vary from site to site resulting in non-parallel implant placement. During the retrofit process, this can lead to attachments protruding out of the denture flange or may weaken the denture by drilling into the denture teeth.

With Atlas implants a silicone material of flowable nature (Tuf-Link, Dentatus) offers cushioned support designed to maximally engage the dome-shaped head to achieve clinically significant retention even in these less than ideal conditions.

The reline provides for an individualized custom fit every time, the first time. Additionally, the silicone based reline provides retention without rigidity, thereby reducing unwanted lateral forces further increasing integration potential, ultimately protecting the implant.

_Advantages

The advantages of the Atlas narrow-body implants are several. First and foremost, they expand the patient population that is eligible for this treatment. Narrow-body implants make it easier to maintain adequate buccal-lingual bone dimensions and proper implant spacing without the need for ridge augmentation. The narrow-body diameter allows a thicker buccal bone because less bone is removed for the osteotomy. The tapered one-piece implant design eliminates the microgap, which is related to crestal bone loss, facilitates one-stage surgery, provides immediate restoration and is more conducive to a flapless implant placement. Utilizing a minimally invasive flapless procedure with an immediate restoration eliminates many postoperative challenges andreduces total treatment time.

Isn't it time you looked into this treatment option to restore quality of life for your denture patients?

Dentatus makes it easy for you to get started with its half-day hands-on workshops. All the materials for your first case are included in the registration fee._

_Information

For more information, check out *www.dentatus.com* or call (800) 323-3136.