What are small diameter mini dental implants?

Small Mini dental implants are small screws made from a bio friendly titanium alloy.

These screws are placed in the forward part of the jaw during a short and minimally invasive procedure that can be done usually in under 90 minutes.

Once these screws have been placed, the existing denture can then be fastened onto the tops of the implants with the assistance of attachments that have been fixed in the denture.

The jaw is known to exert powerful forces while chewing, can these implants fracture?

These implants are made of a special titanium alloy which has two great characteristics; it happens to be one of the strongest metals, able to withstand the huge forces present in the jaw, and it is biocompatible, meaning that it integrates itself excellently with the human body.

For this reason titanium is the material of choice for many types of human implants.
How do these implants differ from other dental implants?

SD mini dental implants are much smaller than "conventional" dental implants, they are approximately half the size. Accordingly the placement procedure for these implants is less invasive than the conventional implants. Thanks to the small diameter of the implants they can be placed through the gum without incisions and thus with less post procedure soreness.

Whereas the treatment with conventional implants can take approximately 3 months for completion, with the SD implants this treatment can be accomplished in under 2 hours, and normal eating habits can be resumed within a day.

Can these implants fail?

Like all medical devices, although very rare, implants can indeed fail. Failures can be due to many factors such as health issues, bone conditions, poor oral hygiene, and tobacco use.

Keeping good oral hygiene as well as regular visits to the dentist's practice can prevent failures and substantially improve the longevity of the implants.

In the rare occurrence that one of these SD implants fails, due to their small diameter and minimal invasive aspect, they have proved to be easier to replace.

How painful is the small diameter implant procedure?

The SD implants are placed usually in the forward part of the jaw, a region with relatively few nerves which responds well to modern dental anesthetics.

Most patients will feel some pressure in the jaw during the procedure but little actual pain. In most cases the feeling of discomfort should subside completely within 20 hours after of the procedure.

In which cases can SD implants be used? Can they replace the use of conventional implants?

The main application for the SD implants is for stabilizing dentures in toothless jaws. In certain cases of missing single teeth, or for bridges, they can be used but this depends on the individual case and the recommendations of your dentist.

The costs in this procedure depend on many variables and differ from case to case. These issues are best discussed with one's dentist.

Due to the minimal invasive aspect of the procedure as well as the relatively short treatment time compared to conventional implants, the costs associated with SD implants tend to be 30% to 50% more affordable than the same procedures with conventional implants.

Are these implants expensive? How do they compare in cost to the conventional implants?

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