alveolar ridges, mini implants have resulted in prescribed in instances of severely resorbed applications. Among the most common is the during the osseointegration phase of standard-

Conclusion

Figure 5: vestibules. Thus, it is very important that retained denture.

Immediate or Delayed Loading?

It is not uncommon to find two implants that the distal implants must be positioned at

Figure 4: the area of tooth #22, #24, #25 and #27 are

Figure 3: optimal for retention and stability of a

Positioning the Implants

Figure 2: dentures, are more appropriate for the mandible

Surgical Technique

Does Diameter Matter?

Does the type of implant prosthesis affect

Mandibular Denture Retention:

In the maxilla, the use of mini implants is limited

The case in Figure 1 shows three mini implants

O-Ring Retention

Tooth #22 of the mandible

Figure 1:

The Mini Implant Solution

Until recently, these patients were destined to until recently, these patients were destined to

enter mini implants. Most mini implants are less

Manley JE. The mini implant — a new treatment

planning and guided surgery are

enter mini implants. Most mini implants are less

Narrow-diameter implants were designed for

bone loss in the maxilla requires that the

Parallelism Is Key

The FDA granted clearance to standard-

the cost of the implants themselves.

when patient cost is an

the retentive fixture included in the cost of the

Locator Abutments (OCO Biomedical) are used,

Enter mini implants. Most mini implants are less

the cost of the implants themselves.

Until recently, these patients were destined to

the retentive feature of the final denture.

A retentive element or the final denture.

that the implants be placed divergent to

as determined by the right and left mental

the highest success rate when placed in the

dentures are more appropriate for the mandible

'-implant has

the sloping ridge shape of a residual mandibular

rather placed in bone and in the soft tissue of the

often assume that implants placed using a blind

ability to evaluate the shape and quality of the

produce cross sections of the anterior mandible,

and superior length of the anterior mandible and

can be used to accurately measure the inferior

does not give any indication of the three-

must be understood that the distance between

a panographic radiograph or a CBCT scan. It

determining the position of the mental foramina

can be used to accurately measure the inferior

upon to give an accurate measurement with

positions of the mental foramina. A panorex

are inserted into the base to indicate the

transfers that position to the resultant cast. A

ridge is made. Next, the surgeon attempts to

in cases where a flapless technique will be used.

determining the position of the mental foramina

identifying the position of the mental foramina and

implants directly through the mucosa using a

Surgical Technique

a surgical guide based on a CBCT scan provides

to determine the accuracy of the positioning of

panorex that are made to locate the mental

foramina should be noted. This will enable the

foramen. A surgical guide is made of the

were intended. These authors believe that narrow-diameter


When this occurs, the tissues


Bulard RA, Vance JB. Multi-clinic evaluation

Christensen GJ. The 'mini'-implant has

MANTEL, DDS. NEW}

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