

INDIGENOUS TITANIUM DENTAL IMPLANT



Indident
Dental Implant

Indident Dental Implant System (A DRDO Product)

Product Description

The Indident Dental implant is Cylindrical Screw Type Implant made of commercially pure Titanium with Sand Blasted & Acid Etched Surface. The packed implant is Gamma Sterilized. These Implants are available in various diameters & lengths.

Indident Dental Implant System is Transmucosal, Single Stage Implant. These Implants are intended for Delayed Loading Only

- Mandible : 12 – 14 weeks
- Maxilla: 20- 22 weeks

Indications:

Indident Implants are intended to be used in following Clinical situations:

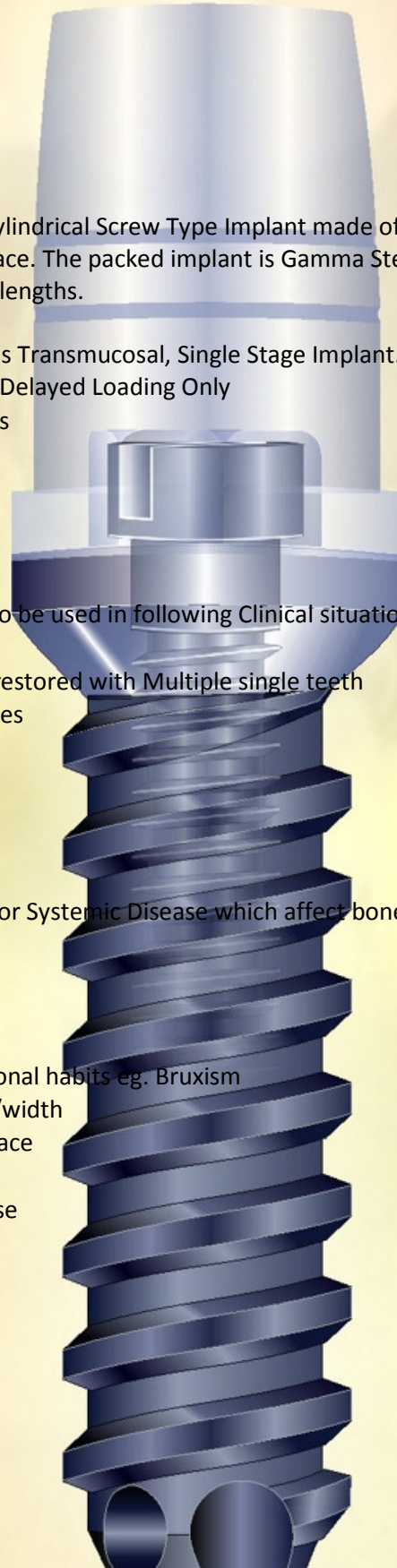
- Single Tooth Restoration
- Edentulous spans to be restored with Multiple single teeth
- Implant Supported Bridges
- Over Dentures

Contraindications

- Vascular disorders
- Uncontrolled Metabolic or Systemic Disease which affect bone healing
- Chemotherapy

Oral Contraindications

- Poor oral hygiene
- Uncontrolled parafunctional habits eg. Bruxism
- Insufficient Bone height/width
- Insufficient inter arch space
- Acute Oral Infection
- Acute Periodontal Disease
- Tobacco Abuse



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Preoperative Planning

Bone morphology dictates the feasibility, design and surgical approach to implant placement. In addition to dense healthy bone, the mucosa must also be capable of uncompromised healing. Selection of proper implant size contributes to the long-term success of the treatment. The anticipated position of the implants will help in the design of the prosthesis restoration during pre operative planning.

Preparation of Implant Site

Drill Speed

800-1200 rpm

The indicated drill speeds are suggested maximum but should be adapted by the surgeon depending on the situation. The drilling depth can be measured using depth markings on the drill. Copious irrigation should be used all times while drilling

Drill Sequence

Implant Dia	Drill Dia	Drill Dia	Drill Dia	Drill Dia	Drill Dia
3.5mm	2.5mm	3.0 mm			
3.8mm	2.5mm	3.0mm	3.25mm		
4.2mm	2.5mm	3.0mm	3.25mm	3.5mm	3.75mm (Optional)

Implant Placement

- Open the sterile Blister Pack containing the Implant
- Remove the Implant from the glass container holding it by Implant carrier. Take care not to touch the sand blasted surface of the implant.
- With firm finger pressure insert the implant as far as it goes into the osteotomy site.
- Remove the implant carrier using slight finger pressure at the top.
- Insert the implant into the prepared site using inserter with ratchet until neck of the implant rests at the crest of the bone.
- Lift off the cover screw from the other bottle provided and thread it onto the implant.

Postoperative care

Advise the patient for maintenance of oral hygiene supplemented with antimicrobial oral rinse
Implant should not be loaded for at least 12 – 14 weeks in case of mandible & 20- 22 weeks in case of maxilla

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Complications

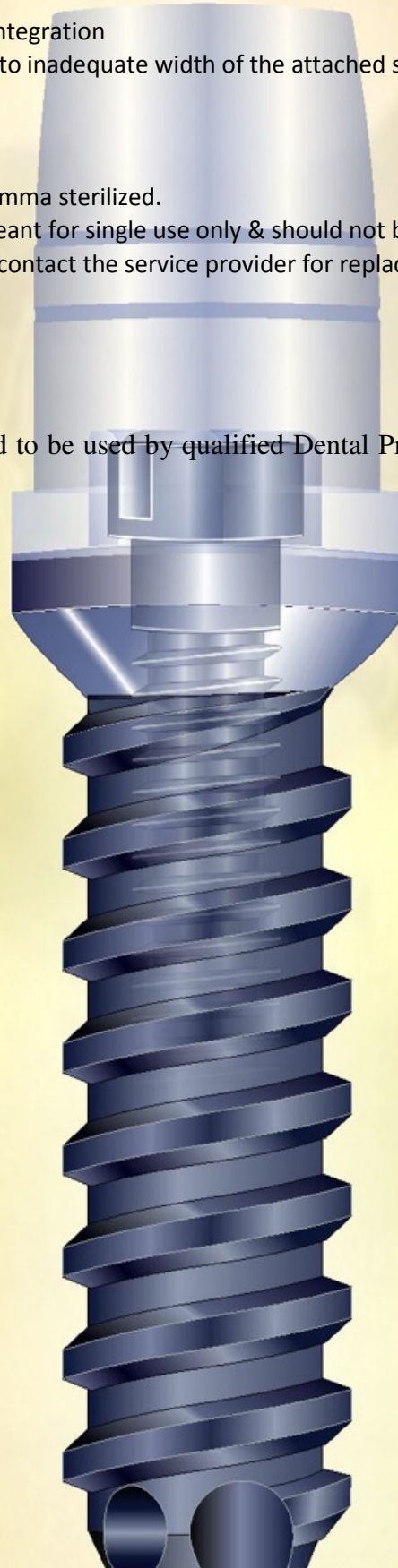
- Iatrogenic trauma of vital anatomical structures surrounding the operating site (if operated without pre evaluation)
- Insufficient or no osseointegration
- Periodontal trauma due to inadequate width of the attached soft tissue.

Reuse & Sterilization

- Indident Implants are gamma sterilized.
- Indident Implants are meant for single use only & should not be resterilized.
- If Implant failure occurs contact the service provider for replacement.

Note:

Indident Implants are intended to be used by qualified Dental Practitioners with special training in Implant Dentistry.



Indident Medical Devices
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