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YK Implant Prosthetic System of unique design and innovative technic is a brand-new lateral screw prosthetic system which is much improved.

**Perfect (Aesthetic) Occlusal Surface**

- Aesthetic occlusal surface as cement type using T-Screw (traverse screw) on lateral side.
- Easy and simple setting of prosthesis
- A wide range of application to all-ceramic crown, all-zirconium crown or long bridge

**No Screw Loosening**

- No concern about screw loosening using ALIPS® (Anti-Loosening Inner Post Screw)
- Time and cost saving to manage the implant prosthetic appliance and to adjust the dispute with the patient due to the screw loosening.

**100% Retrieve & Easy Maintenance**

- Simple process of disassembling the implant prosthetic appliances (abutment & crown) from the fixture and reconnecting them to the fixture
- Easy repair of the implant prosthetic appliances and contact point loosening
- Implant prosthesis without mal-oder which is the weakness of screw type using a marginal sealer
- Improved hygienic management with ultrasonic washing and sanitizing implant prosthetic appliances
- Convenient periodontal treatment and scaling
- Increase of patient’s reliability to the clinic
1. What is ALIPS®?

As an abbreviation of Anti Loosening Inner Post Screw, ALIPS® prevents the screw loosening by mechanical locking system.

2. No screw loosening by mechanical locking system

ALIPS® system provides a solution of the screw-loosening problem by using an improved screw and by connecting an anti-rotation pin. It effectively prevents the screw loosening which is the critical problem in application of implant prosthesis.

3. T-Screw system of Innovative design

T-Screw is connected directly beneath the undercut of ALIPS® pushing against the wall of abutment. This retains the implant prosthetic appliance very tight and there is no concern of screw loosening.

Clinical Case

- Abutment with ALIPS®
- Notch on the abutment
- Notch and Sleeve filled with pattern resin
1. Advanced lateral screw type prosthetic system

Unlike the conventional lateral screw which retains implant prosthetic appliance by squeezing force, T-Screw retains ALIPS® and implant prosthetic appliance by pushing force. Screw hole of abutment has no thread and the purpose of the hole is for guiding. Owing to this pushing force mechanic, you have the control of the implant prosthetic appliance when inserting T-Screw in the mouth even if the implant prosthetic appliance is not fully seated. There is also no fracture or deflection.

Conventional lateral screw type vs T-Screw(traverse screw) type

<table>
<thead>
<tr>
<th></th>
<th>Conventional lateral screw</th>
<th>T-Screw</th>
</tr>
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<tbody>
<tr>
<td>Lingual Tap</td>
<td>Abutment with lingual tap</td>
<td>Crown with lingual tap</td>
</tr>
<tr>
<td>Clinical Adjustment</td>
<td>X</td>
<td>O</td>
</tr>
<tr>
<td>Fracture or Distortion</td>
<td>O</td>
<td>X</td>
</tr>
<tr>
<td>Setting Procedure</td>
<td>Difficult</td>
<td>Easy</td>
</tr>
</tbody>
</table>
2. Easier setting by presetting

Presetting out of mouth is possible and it makes the setting in the mouth easier. As well, it is more convenient to connect and to disassemble the T-Screw with its exclusive hand tool.

3. Strong retention

Pushing force of T-Screw against the wall on the abutment prevents the implant prosthetic appliance from rotation.

T-Screw is connected directly beneath the undercut of ALIPS®. This retains the implant prosthetic appliance very tight and there is no concern of screw loosening.
4. Wide application to various types of prosthesis

It is possible to make the aesthetic all-ceramic or all-zirconium crown using negative screw housing. It is also applicable to long bridge of lateral screw type.

5. Perfect patient care system

It is easy to repair and clean the implant prosthetic appliance because the process of disassembling the prosthesis is simple using T-Screw. This also makes the periodontal treatment and scaling for the patient much easier.
Clinical Case

Case 1:
Cement type #37, #36 screw loosening & screw fracture: T-Screw type restoration
Original Screw type #35

Case 2:
All zirconia T-Screw case using negative screw housing

Case 3:
Multi abutment bridge case: #17, #15 T-Screw with using a marginal sealer, #16,#14 using only marginal sealer
1. Correction of helix tolerance

In case of milling the abutment, ALIPS® stop point on the working model and that in the mouth changes and crown setting is not possible because the tolerance between helix of fixture and helix of lab analog is not corrected by the general transfer methods. Therefore, the correcting the tolerance of helix is necessary when using ALIPS® system.

Correction of helix tolerance is made through the process of screw positioning indicator and re-alignment with YK-Lab Analog when making the working model. The ALIPS® stop point on the working model becomes the same in the mouth.

2. Simple and precise transfer technique

YK-Transfer Abutment makes precise impression without abutment movement because impression cap is connected to one direction only due to the two different lengths of tranch on YK-Transfer Abutment. There is also no need to use individual tray and it is easy to take impression by using the conventional stock tray.
Clinical Procedure

1. Separate the healing abutment from the fixture.

2. Connect SP indicator setting the dot of SP indicator carrier toward the center hole on the flat surface of SP indicator. After connecting SP indicator to the fixture putting the dot to the buccal side, tighten ALIPS®.

3. Mark on the head of SP indicator which has the bevel of ALIPS® using a permanent pen.

4. Separate SP indicator and ALIPS® from the fixture and keep them in a canister which dental formula number is indicated on.
5. Connect YK-Transfer Abutment setting the dot of YK-Transfer Abutment carrier toward the center of trench on the bevel surface of YK-Transfer Abutment. Connect YK-Transfer Abutment to the fixture setting the dot toward the same position of buccal side as SP indicator.

6. After removing the YK-Transfer Abutment carrier, insert the impression cap letting its straight-line on the top come toward the bevel of YK-Transfer Abutment and close the top of the impression cap with wax.

7. After taking impression as the usual manner, separate YK-Transfer Abutment and send it with SP indicator and ALIPS® stated on procedure no.4 above.
# YK-Implant Prosthetic System Component

## ALIPS® Abutment

<table>
<thead>
<tr>
<th>Type</th>
<th>Standard Abutment</th>
<th>Angled Abutment</th>
<th>UCLA Abutment</th>
</tr>
</thead>
<tbody>
<tr>
<td>EX</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>IN</td>
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<td></td>
<td></td>
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<tr>
<td>SUB</td>
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## YK-Lab Analog

<table>
<thead>
<tr>
<th>Type</th>
<th>EX</th>
<th>IN</th>
<th>SUB</th>
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## SP Indicator

<table>
<thead>
<tr>
<th>Type</th>
<th>EX</th>
<th>IN</th>
<th>SUB</th>
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## YK-Transfer Abutment

<table>
<thead>
<tr>
<th>Type</th>
<th>EX</th>
<th>IN</th>
<th>SUB</th>
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## Impression Cap

<table>
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<tr>
<th>Type</th>
<th>EX</th>
<th>IN</th>
<th>SUB</th>
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</table>

* EX  : External hexagonal connection
* IN  : Conical+Internal octagonal connection
* SUB : Conical+Internal hexagonal connection
ALIPS® Abutment:
ALIPS® exclusive abutment
Type: Standard/Angled/UCLA
Compatibility: External hexagonal/Conical+Internal octagonal/Conical+Internal hexagonal type fixture

ALIPS®:
As an abbreviation of Anti Loosening Inner Post Screw, it prevents the screw loosening by mechanical locking system.
It is designed to maintain the function of screw even when cutting the length or milling the side owing to the grooves at both sides of column on the screw. It must be connected using the ALIPS® exclusive diver.

SP Indicator:
As a screw position indicator, it is used to transfer the helix position of fixture in the mouth.
ALIPS® is connected to the fixture using SP indicator carrier.
Compatibility: External hexagonal/Conical+Internal octagonal/Conical+Internal hexagonal type fixture

YK-Transfer Abutment:
It is possible to take impression at fixture level.
YK-Transfer Abutment is connected to the fixture using transfer carrier and is inserted using a Hex 1.2 driver.
Compatibility: External hexagonal/Conical+Internal octagonal/Conical+Internal hexagonal type fixture

Impression Cap:
YK-Transfer Abutment exclusive
If you remove the impression from the mouth, the impression cap comes buried.

YK-Lab Analog:
Helix correction is possible using SP indicator and ALIPS®
YK-Lab Analog consists of female screw and part.

T-Screw(Traverse screw):
T-Screw is connected to the crown using crown lateral screw driver.
Size: M1.8/M2.0.

Negative Screw Housing:
Female screw type
Negative screw housing is attached when making all-ceramic or zirconium type crown, bridge and metal crown casting and this makes T-screw use possible.
Size: M1.8/M2.0.
**YK-IMPLANT CLINIC KIT**

**ALIPS® Driver**
- Standard: S910RS
- Bevel A: S910RBA
- Bevel B: S910RBB
- Long: S910RL

**Handpiece Handle**
- S900H

**Finger Handle**
- S900F

**SP-Indicator Carrier**
- S980T65

**Transfer Carrier**
- S980T55

**Crown Lateral Screw Driver (Hex 0.9)**
- Machine: S912MSS, S912MMS, S912RS, S912RM, S912RL
- Ratchet: S912RSS, S912RMS, S912RSS, S912RMS, S912RL

**Hex 1.2 Driver**
- Machine: S911RS, S911RM, S911RL
- Ratchet: S911RSS, S911RMS, S911RSS, S911RMS, S911RL

**Trial Crown Lateral Screw**
- M1.8 x P0.35: S46616
- M2.0 x P0.35: S46618
**YK-IMPLANT DENTAL LAB KIT**

**ALIPS® Driver**
- Standard: S910RS
- Bevel A: S910RBA
- Bevel B: S910RBB
- Long: S910RL

**Finger Handle**
- S900F

**Hex 0.9 Driver**
- Short: S912RS
- Middle: S912RM
- Long: S912RL

**Trimming Drill**
- Upper: S940U
- Lower: S940L

**Trial Crown Lateral Screw**
- M1.8 x P0.35: S46616
- M2.0 x P0.35: S46618

**Drill**
- ø1.4: S920E16
- ø1.5: S920E18
- ø1.7: S920E20

**Tap**
- M1.8: S920T18
- M2.0: S920T20

**Tap Holder**
- S980H