Overdenture Laboratory Technique for Tissue Level Implant

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The presentation that follows lists only one combination of parts. Obviously the clinical situation may call for substitution of another part on this slide.
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Prosthetic instruments needed

<table>
<thead>
<tr>
<th>Size</th>
<th>Part #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Torque/Ratchet Wrench</td>
<td>TR-900-01</td>
</tr>
<tr>
<td>Thumbwheel/ITI Wrench Adapter</td>
<td>ITI-Adapter</td>
</tr>
<tr>
<td>.048 Hex Driver short</td>
<td>SDS048</td>
</tr>
<tr>
<td>.048 Hex Driver long</td>
<td>SDL048</td>
</tr>
<tr>
<td>Insert Placement/Removal Instrument</td>
<td>TFSU</td>
</tr>
</tbody>
</table>
Assemble screw driver with ITI - Adapter (thumb-wheel / adapter)

Insert assembled screw driver into cover screw and turn counter clockwise.

Remove cover screw from implants.
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8 degree Morse taper on the outside of the abutment. Matches the 8 degree Morse taper within the implant.

Insert the abutment into the One Stage Implant and rotate clockwise until snug.

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Remove the screwdriver assembly

Insert the Hex Driver within the 30Ncm torque ratchet

Insert driver into abutment and turn torque ratchet clockwise until torque of 30 Ncm is reached and the head of the ratchet releases

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When the overdenture abutment is screwed into the implant at 30-35 Ncm the Morse taper will lock the abutment in place.
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Snap impression transfer on the abutments
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Fill impression tray with impression material and take an impression for the mastercast.
After impression material has set remove impression from mouth picking up the impression transfers

Snap analogs into the impression transfers
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Pour impression with model stone and make master cast with analogs in place.
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Place black processing insert on the insertion tool

Snap black processing insert into metal housing
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Place housings with processing insert on the analogs and process the denture.
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Remove the black processing insert with the sharp point of the removal instrument.

Place the insert with the desired retention into the housing.
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Finished prosthesis with housings and inserts in place