

NobelPearl™

Abutment Screw Retrieval Kit



Procedure for screwed implant abutment connections after screw failure



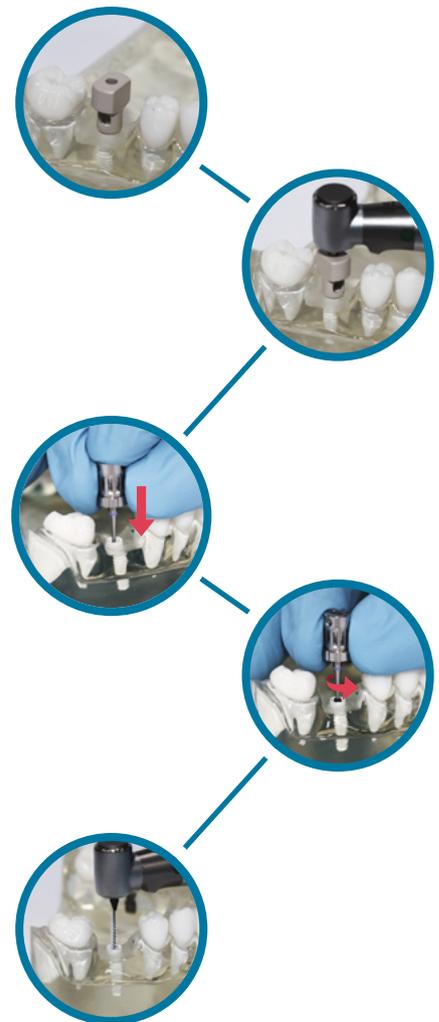
1. Place the Rescue Shell XT Regular or Wide on the implant and make sure it is seated securely. A light-cured composite (e.g. primopattern LC) can be used to fix the Rescue Shell in connection with the adjacent teeth.
2. Using the green handpiece, intermittently drill the centre of the screw fragment using the Rescue Pilot Drill (Komet item No. H1SE.205.010) at a speed of 2,000 rpm, using as little pressure as possible. The pilot hole should be 2-3 mm in depth. Remove the Rescue Shell, then suction and clean the hole. Note: Use a dental dam if suctioning the particles is not sufficient.
3. Attach the left-hand drill (Rescue Drill «left», Komet item No. H1L.204.014) to the ratchet adapter. Do not use a handpiece! Place the drill vertically on the pilot hole and push it slightly into the pilot hole. Turn the adapter by hand to the **left** (counter-clockwise) while maintaining pressure on the drill. The drill should engage with the screw fragment so that it can be removed with minimal effort. (If the fragment comes loose from the drill after being rotated, it can be removed with an appropriate gripper.

If the drill fails to engage with the fragment or the fragment cannot be loosened, repeat the procedure while making sure that the pilot hole is centric and sufficiently deep. The pilot hole can also be drilled without the Rescue Shell if it is considered to be an obstacle and you have a clear view of the fragment.*

4. Clean the interior of the implant with the cleaning brush and handpiece. Make sure that there are no black residues in the implant.

Caution: Clean the inside of the implant with a brush (e.g. periodontal brush, pressurised air...)

5. Please contact our specialist consultants if you would like to review the reason for the screw failure.



If the fragment cannot be removed using the left-hand drill, the pilot drill can be used to drill out/mill the entire fragment as a last resort. Make sure that adequate cooling is provided.

www.nobelbiocare.com/pearl

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