



How to use the mechanical Lithotripter Type III

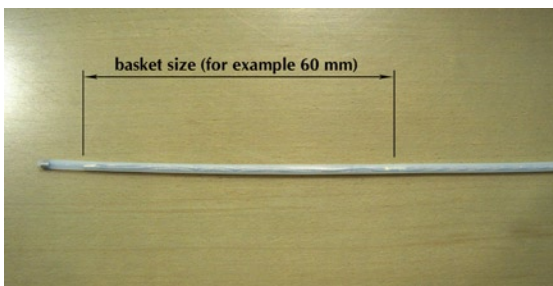
Required items (Trough-The-Scope lithotripsy) :

- 1 Lithotripsy basket incl. Teflon catheter
- 1 Lithotripsy spiral
- 1 Lithotripsy handle type III

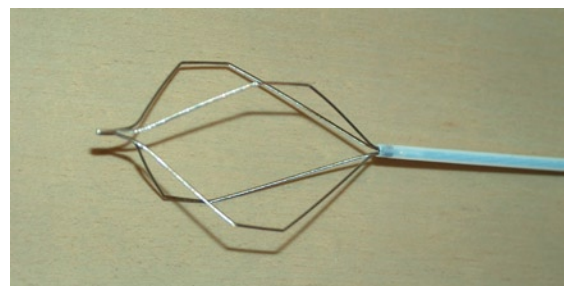


Ensure that the basket is completely retracted into the Teflon tube .Feed the lithotripsy basket into the endoscope’s working channel and advance it into the biliary duct. Open the basket and bring the gall stone in. Contract injection can be performed via the lateral contract injection port at the proximal end of the Teflon tube.

Attention: The sealing cap must be closed properly to prevent contrast leakages.



Basket lengths are measured when basket is retracted into the Teflon catheter.



Various baskets available , e.g. four-wire baskets in three different sizes.

For the lithotripsy procedure the Teflon tube must be replaced with the metal spiral. Remove the Teflon tube and slide the metal spiral over the basket’s traction cable. Connect the lithotripter handle to the metal spiral and fix the traction cable in the handle.

Please follow illustrated instructions below (pic.1 to pic. 9)



Pic.1 Open the sealing cap and remove the Teflon catheter completely.

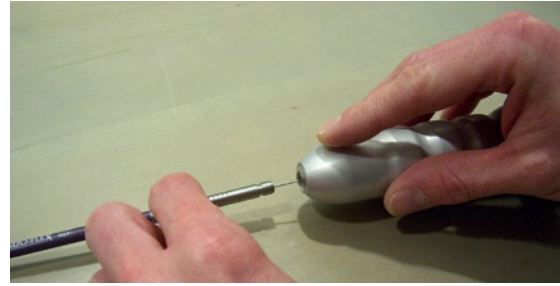


Slide the metal spiral over the traction cable and advance it up to the basket and the stone.

See reverse



Open the black fixation device anti-clockwise and slide the handle over the traction cable .



Connecting the spiral to the handle: Press the locking button and insert the spiral into handle.



Before fixing the traction cable ensure that the handle is in neutral position. If needed , push the "release button" and adjust the handle.



Pull the traction cable slightly and fix it by closing the fixation device firmly.

Lithotripsy:

Before operating the rotary handle, please pull the rear part of the handle with the fixation device to close the basket as much as possible. The handle will keep this position automatically. For unlocking press the black " Release" button.



Perform the lithotripsy procedure by operating the rotating mechanism in the handle carefully (See description).

For an effective and succesful lithotripsy procedure turn the rotary handle slowly . It is important to allow a short break of 5 - 10 seconds after each turn of the handle. This ensures that the transmitted traction force can act on the stone most effectively. Furthermore it should be observed that the lithotripsy spiral goes straightforward to the entrance of the working channel. All unnecessary curves and bendings will reduce the transmitted traction force and may cause damages of the traction cable ! In case the basket has to be re-opened again in the bile duct (for instance to collect fragments of stones), this has to be performed very slowly and carefully. If the basket cannot be re-opened without resistance, please re-try carefully after straightening the metal spiral. Should the the problem still be existing, all items must be removed from the endoscope for an external functional test.

For Mechanical Lithotripsy Sets and related equipment please refer to chapter 10 in our main catalogue.

Responsibility for a successful lithotripsy cannot be taken !