Aesculap Endoscopic Technology

Reprocessing & Maintenance of the Aesculap AdTec Durogrip Laparoscopic Needle Holder

Routine Reprocessing Instructions

Decontamination

Please note that the AdTec needle holder should be machine washed in a thermo washer disinfector compatible to HTM 2030 recommendations and should be subjected to a cleaning phase of 75 degrees Celsius and a disinfecting phase of between 90 to 95 degrees Celsius.

Detergents used in this phase should be of a pH between 7.0 to 11.0. Please note, extended exposure to higher pH levels will result in damage to the surface of this instrument.

The instrument is not a take apart design, but is provided with a **flush port (2)**. The flush port lumen should be flushed immediately after use, ideally in theatre. The lumen should be flushed once more, as part of any pre -cleaning process or attached to the washer disinfector manifold, as part of the decontamination process.

Following decontamination, a visual check should be performed, paying particular attention to the articulation of the jaw components, and the jaw surfaces. (1). Ensure that all residual blood, tissue debris and general detritus has been removed from the instrument.

Sterilisation

Sterilisation should follow HTM 2010 recommendations and the AdTec needle holder should be sterilised between 134 to 137 degrees Celsius for a minimum holding time of three minutes to comply with the UK regulations.

Maintenance and Lubrication

Following decontamination and prior to sterilisation, the needle holder should be lubricated with a **medical grade, steam permeable lubricating oil**, designed for use with surgical instruments.

B. Braun Aesculap offer a high performance lubricant which is designed for use with surgical instruments (product code JG600)

Lubrication of moving parts

A single short spray of lubricating oil should be applied to each of the 4 areas identified, as illustrated on the diagram :

a) Articulation at the jaw components

b) Ratchet mechanism

c) Ratchet mechanism

d) Loading spring

Visual Inspection & Function Testing

A visual inspection of the instrument should be performed, prior to the instrument going into clinical use, with particular attention being paid to :

- Symmetry of jaws
- Worn Tungsten Carbide inserts
- Cracks in the Tungsten Carbide inserts and in the joints
- Loose, bent, broken, cracked, or worn components

Note: The ratchets must be completely aligned when closed

A simple function test should be performed by checking that the **ratchet handle (3)** closes securely, and that the jaw components close in alignment, without any visible gaps between.

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