

INSTRUCTIONS FOR USE**Prior to Use**

- Check that all parts are clean, positioned properly and blade lights up when attached to the laryngoscope handle.
- It is recommended to ensure "button" on view tube is inserted properly into groove on blade. (Fig.1)
- To prevent fogging and to keep lens clear of secretions, connect Truview™ EVO2's oxygen port to oxygen supply line at rate of 10 liters of oxygen/minute (Fig.1).
- To obtain better control of the ET tube tip, it is recommended to use the OptiShape™ stylet in the ET tube (Fig.2).

Positioning

- Hold Truview™ EVO2 laryngoscope in left hand. With right hand open patient's mouth slightly.
- IMPORTANT:** Insert blade mid-mouth to the -0- depth line marked on the Truview™ EVO2 blade. Use two fingers as a guideline (See Fig.3).

Obtaining laryngeal view

Begin to gently compress the tongue and lift the mandible. Look through the eyepiece from a comfortable distance. Advance Truview™ EVO2 until the -1- depth line and it is possible to see the vocal cords. See Fig.4

TIP: In the case that you do not readily achieve a clear laryngeal view you may have proceeded too deeply. To take full advantage of the unique angle of vision provided by the optical system in the view tube, try pulling the blade back to the position shown in Fig.3. Then proceed again to lift and advance in order to achieve a good view of the vocal cord area.

Inserting ETT

Place ET tube with OptiShape™ stylet at right side of mouth and advance closely along the metal side of the Truview™ EVO2 blade until the tip of the ET tube can be seen while looking through the optical view tube. Then advance ETT through the vocal cords using the optical view tube to verify tube placement. Extract the stylet and connect the tube to a ventilation system connected to an end-tidal CO2 monitor to verify correct endotracheal placement with capnograph.

Using Truview™ EVO2 for Teaching and Training

- Truview™ EVO2 optical laryngoscope blade can be connected to various screens in order to allow group viewing of the procedure (see Fig. 5):
 - Truview™ EVO2 connects to PREMIER digital LCD display unit
 - Truview™ EVO2 connects to endoscopic CCD camera head with monitor.
 - Truview™ EVO2 with specific models of the Premier display unit connects via commercially available RCA-USB adapters to laptop computer.
- It is recommended to complete 2-3 trial intubations with the Truview™ EVO2 prior to using the blade together with other devices.

Truview™ EVO2 with PREMIER display unit

- Check that battery of the Premier digital LCD display unit is fully charged. Position the display unit onto the magnetic eyepiece of the optical view tube of the Truview™ EVO2 (See Fig. 6). To increase magnification of the image to maximum, press zoom tab (T) two times.

CLEANING AND HANDLING INSTRUCTIONS**Handling of the Optical View Tube**

- The optical view tube can be carefully slid in and out of the tube guide for easy cleaning, disinfection and/or storage.
- The optical view tube should not be exposed to temperatures in excess of 60 degs C.
- Handle carefully, as you would other hospital optical scopes.
- Do not steam autoclave.
- After cleaning, optical view tube should be thoroughly dried and reassembled onto the Truview™ EVO2 blade for safe storage.
- Ensure "button" on view tube is correctly inserted into groove on blade (see Fig 1).
- Before every use check optical view tube lenses for signs of damage. Protect from scratches. Replace optical view tube if necessary.

Care of the FibreClip™ fibre optic light guide

- Disengage entire blade from handle.
- Disassemble FibreClip™ by pushing with thumb in an outward direction away from the base of the blade until the FibreClip™ separates from the blade.
- To re-assemble FibreClip™, first place tip of light guide into the opening on the blade. Then press base of FibreClip™ into the recess on the base of the blade, ensuring it is firmly secured.
- Always perform pre-use check after cleaning or replacing FibreClip™ to ensure proper performance of the blade.
- Certain hospital detergents and disinfectants can cause accumulation of residue on the tips of the FibreClip™ which can be detrimental to the performance and life expectancy of the FibreClip™. It is recommended to use at frequent intervals a non-abrasive material with ethanol or other non-acidic cleaning solutions to wipe off tip and distal end of the FibreClip™ to prevent residue buildup.
- Protect from scratches.
- Ultrasonic cleaning and "flash" autoclaving are not recommended and will void warranty.
- Repeated autoclaving may reduce light transmission and the life expectancy of the FibreClip™.

Cleaning Instructions

- Immediately after use, all components of the Truview™ EVO2 laryngoscope should be immersed in water to prevent residue adhering to the instrument.
- Although it is possible to clean the Truview™ EVO2 blade in its assembled form, the removable components of the Truview™ EVO2- the replaceable FibreClip™ fibre optic light guide and the optical view tube - may be disassembled for easier handling. External surfaces should be gently scrubbed in soapy water with a soft brush to remove encrusted deposits. Do not use abrasive materials such as steel wool.
- Rinse blades in de-mineralized water and dry thoroughly before disinfection and/or storage.
- Oxygen port can be cleared and/or cleaned using a gas jet.

Disinfection

- Hospital disinfectants, such as Cidex Plus® and Cidex OPA®, may be used. Follow the manufacturers' guidelines for recommended exposure times and solution strengths. After exposure to the solution, rinse with de-mineralized water and dry thoroughly
- Thermal disinfectors may also be used for disinfection.
- Do not expose the optical view tube to temperatures in excess of 60°C.

- Do not use chemical detergents containing caustic or alkaline ingredients such as povidone-iodine solutions, bleach, peroxide solutions, sodium hypochlorite etc. that can cause irreparable damage to the instrument.

Sterilization

- It is recommended to sterilize the Truview™ EVO2 using Steris®, Sterrad® or Ethylene Oxide (ETO) sterilization according to manufacturers' recommendations.
- If Truview™ EVO2 is to be sterilized in a steam autoclave, first remove the optical view tube and set aside for sterilization by alternative means described above. Remaining parts may be placed in a steam autoclave at a maximum of 138°C for periods in compliance with nationally recommended time periods.
- It has been shown that repeated autoclaving may reduce light intensity and life expectancy of fibre optic light guides.

Warning: Ultrasonic cleaning and flash autoclaving are detrimental to the fibre optic light guide. Use of these procedures will void the warranty.

Handling of Laryngoscope Handles**Battery replacement in all Mini, Medium and Stubby Handles**

- Unscrew cap of laryngoscope handle and remove used batteries.
- Fit new battery into handle, ensuring correct size and polarity orientation of the batteries. Re-screw cap. Attach and switch blade ON to test light performance.
- Discard used or defective batteries in appropriate waste disposal receptacle. Do not incinerate.

Bulb change instructions for Green SpeX™ fibre-illuminated handles

- Unscrew top of Green SpeX™ handle to reveal outer bulb holder assembly in the top of the handle.
- Unscrew outer cartridge to reveal bulb at tip of bulb holder.
- Unscrew used bulb and discard.
- Screw new bulb in tightly.
- Screw the outer cartridge back into the top of the handle.
- Screw top back onto handle, ensuring complete and secure closure.
- Attach blade and switch ON to test performance.

Cleaning of Laryngoscope Handles**UltraSafe™ conventional handles**

- Remove batteries. Clean and disinfect externally with a cloth dampened with soapy water, alcohol or disinfectant solutions described above for blades. Rinse and dry thoroughly inside and out before replacing batteries or storage.
- UltraSafe™ handles (without batteries) are suitable for use in dishwashers and thermal disinfectors.
- Do not autoclave.

Dolphin™ waterproof, autoclavable conventional handles

- Dolphin™ waterproof handles may be immersed in cold solutions with the batteries inside. Clean and disinfect according to procedures described as for blades above.
- Remove batteries prior to autoclaving or sterilization procedures involving vacuum cycles, pressure or heat.
- Dolphin™ handles are suitable for use in thermal disinfectors, Steris® or Sterrad® procedures.
- Dolphin™ handles may be steam autoclaved (without batteries) according to nationally recommended parameters for temperatures and time periods.

Note: Routine use of silicone grease on the O-ring seals will extend the life of the Dolphin™ handle.

Green SpeX™ fibre optic handles

- Remove bulb holder assembly and batteries prior to cleaning and disinfecting.
- Clean and disinfect externally with a cloth dampened with soapy water and disinfectant solutions as described above for blades.
- Rinse and dry thoroughly inside and out.
- Replace bulb holder assembly prior to storage.
- Green SpeX™ handles (without batteries) are suitable for sterilization by thermal disinfectors, Ethylene Oxide (ETO), Steris® and Sterrad® procedures.
- Green SpeX™ handles (without bulb holder and batteries) are suitable for sterilization procedure by autoclave.

Thank you for purchasing Truphatek® products. Proper care, maintenance and the use of only Truphatek® spare parts, accessories and bulbs will ensure the long life and satisfactory performance of your purchase.

While every care is taken to ensure the accuracy of these instructions we reserve the right to make modifications and improvements as we deem necessary in the interest of our customers.

Truphatek™ laryngoscope blades and handles carry a 5-year warranty on stainless steel parts against defects in manufacture and materials.

FibreClip™ fibre optic light guides are guaranteed for 15 months use from date of manufacture, as it appears embossed on the base of the light guide.

Optical view tubes are guaranteed against defects in manufacture and materials for 12 months from date of manufacture, as it appears etched on side of the optical view tube.

No guarantee applies to the Premier digital LCD display unit other than that specifically stated in the manufacturer's warranty found in the Premier user's manual.

Full text of the Truphatek® warranty and further information about Truphatek® products are available on our website www.truphatek.com or through our Customer Service desk at helpdesk@truphatek.com.

Note: Truphatek®, Truview™ EVO2, FibreClip™, Dolphin™, UltraSafe™, Green SpeX™ are trademarks of Truphatek International Ltd. and are not to be used without prior written permission.

Registered patents cover Truview™ designs.