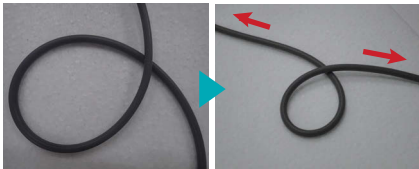

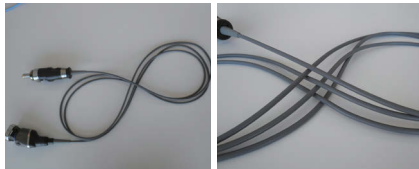

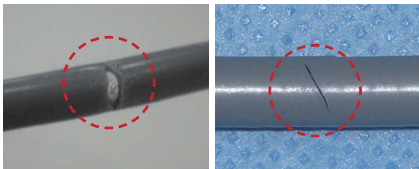




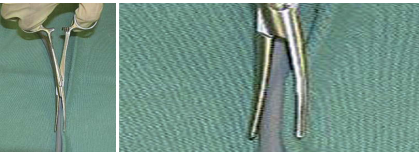




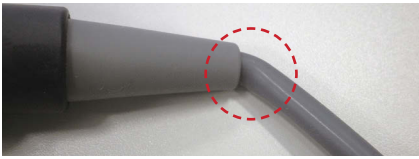
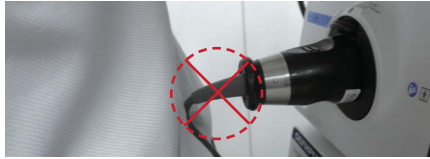



Camera Heads, Telescopes & Processors Proper Care & Handling in the OR

Preventative Action that Protects Your Products

Olympus is committed to helping you maximize your procedural uptime, reduce equipment damage, and extend the useful life of your camera heads, telescopes and processors. The information in this document is intended to highlight common causes of product damage, as well as preventative actions that will help optimize equipment use and curb delays caused by out-of-service equipment.

Camera Head Cable		
Improper handling	Damage	Preventative action
<p>Coiling the camera cable with a diameter of less than 20 cm.</p> 	<p>Camera cable kinks.</p> 	<p>Coil camera cable without twisting. Overlapping loops and crossing cables is recommended.</p> 
<p>Tearing camera cable with scissors, knives and other sharp instruments.</p> 	<p>Camera cable tears and cuts.</p> 	<p>Do not store, transport, or reprocess camera cable with other instruments.</p> 
<p>Rolling video cart or other equipment over camera cable.</p> 	<p>Crushed or pinched camera cable.</p> 	<p>Avoid rolling video cart or other equipment over camera cable.</p> 
<p>Clipping camera cable with forceps.</p> 	<p>Camera cable tears and cuts.</p> 	<p>Allow adequate space around camera cable when clipping drapes.</p> 

Video Connector

Improper handling	Damage	Preventative action
<p>Blunt force on video connector when it is connected to the camera control unit.</p> 	<p>Camera cable bends and kinks.</p> 	<p>Establish adequate space between the video cart and object when connected to the camera control unit.</p> 
<p>Video connector is plugged into socket improperly.</p> 	<p>Loose video connector or connector breakage.</p> 	<p>Confirm that the "O" mark on the video connector is in the upright position.</p> 

Processor

Improper handling	Damage	Preventative action
<p>Disconnecting the video connector of the camera head from the processor WITHOUT pushing the locking lever down.</p> 	<p>Loose video connector.</p> 	<p>Disconnect the video connector of the camera head from the processor pushing the locking lever down.</p> 
<p>Failing to clean and dry the optical connector and its electrical contacts prior to plugging into processor.</p> 	<p>Image affected by flickering, static or noise.</p> 	<p>All surfaces must be thoroughly dried prior to connecting plug to processor.</p> 

Telescope

Improper handling	Damage	Preventative action
<p>Hitting a telescope against video cart, sink or other hard objects.</p> 	<p>Dents and cracks on telescope.</p> 	<p>Hold both ends of the telescope to prevent direct contact with any other objects.</p> 
<p>Placing telescope with other instruments during storage, transporting and reprocessing.</p> 	<p>Dents and cracks on lens.</p> 	<p>Place the telescope in a special device tray to store, transport and reprocess to avoid contact with other instruments.</p> 

This sheet is for quick reference only. Please refer to the instruction provided with the devices for instruction in details. Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.

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