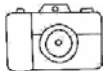
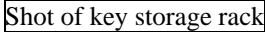










## Bronchoscope Preparation and Use – Olympus 2.2 Video and Stills Sequence


### 1. Locate Bronchoscope and Light Source





Image	Tasks	Notes	Script
  	A. Get storage area key B. Locate storage area C. Locate cabinet	<ul style="list-style-type: none"> <li>▪ No model</li> <li>▪ Shot in use context</li> </ul>	


### 2. Transport to Patient











### 3. Remove Bronchoscope




Image	Tasks	Notes	Script
 	A. Wheel difficult airway cart to treatment area B. Find cabinet key box C. Break seal and remove cabinet key	<ul style="list-style-type: none"> <li>▪ Close-up</li> <li>▪ Hands only</li> <li>▪ Slow movement</li> <li>▪ 5 second lead in and out</li> </ul>	After locating the bronchoscope and lightsource, break the seal on the cabinet key box and remove the key to unlock the cabinet.
 	D. Unlock cabinet	<ul style="list-style-type: none"> <li>▪ Close-up</li> <li>▪ Hands only</li> <li>▪ Slow movement</li> <li>▪ 5 second lead in and out</li> </ul>	Get a sterile blue pad and place it on top of the cart to protect the scope from contamination.
  	E. Place blue pad on cabinet to protect scope F. Open Bronchoscope drawer	<ul style="list-style-type: none"> <li>▪ Close-up</li> <li>▪ Hands only</li> <li>▪ Slow movement</li> <li>▪ 5 second lead in and out</li> </ul>	

 <p>Show hands taking bronchoscope from drawer</p>	<p>G. Grasp and lift bronchoscope out</p>	<ul style="list-style-type: none"> <li>▪ Close-up</li> <li>▪ Hands only</li> <li>▪ Slow movement</li> <li>▪ Careful, light touch with no bending of cable</li> <li>▪ Do not touch flexible scope to avoid contamination</li> <li>▪ 5 second lead in and out</li> </ul>	<p>Carefully remove the scope and avoid bending any portion. Make sure not to touch the fiber optic thin tube at the end of the scope shown in the middle of the frame.</p> <p>You are now ready to connect the scope to the lightsource.</p>
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4. Set Up Light Source			
Image	Tasks	Notes	Script
 	<p>A. Place on stable surface</p>	<ul style="list-style-type: none"> <li>▪ Close-up</li> <li>▪ Hands only</li> <li>▪ Slow movement</li> <li>▪ 5 second lead in and out</li> </ul>	
 <p>Shot of plug into AC</p>  <p>No cord</p>	<p>B. Plug into power source                  C. Turn on power                  D. Observe light from an angle                  E. Replace bulb if needed                  F. Turn off until needed.</p>	<ul style="list-style-type: none"> <li>▪ Close-up</li> <li>▪ Hands only</li> <li>▪ Slow movement</li> <li>▪ 5 second lead in and out</li> </ul>	

Replace Bulb if Needed			
 <p>Shot of switch being turned off</p> <p>Shot of cord being unplugged</p> <p>Show ¾ shot with hand turning light source to show door.</p>	<p>A. Turn off power switch and unplug from AC outlet                  B. Locate bulb door</p>	<ul style="list-style-type: none"> <li>▪ ¾ shot of side</li> <li>▪ Turn bronchoscope to show bulb door</li> <li>▪ Close-up</li> <li>▪ Hands only</li> <li>▪ Slow movement</li> <li>▪ 5 second lead in and out</li> </ul>	<p>After you've unplugged the lightsource, locate the bulb door and swing it open. Please note that in this demonstration, the bulb is cool.</p>




 	<p>C. Open bulb door</p>	<ul style="list-style-type: none"> <li>▪ Side shot</li> <li>▪ Close-up</li> <li>▪ Hands only</li> <li>▪ Slow movement</li> <li>▪ 5 second lead in and out</li> </ul>	
 	<p>D. Pull out bulb drawer</p>	<ul style="list-style-type: none"> <li>▪ Side shot</li> <li>▪ Close-up</li> <li>▪ Hands only</li> <li>▪ Slow movement</li> <li>▪ 5 second lead in and out</li> </ul>	<p>Pull out the bulb drawer and carefully release the old bulb by depressing the bulb latch.</p>
 	<p>E. Release old bulb</p>	<ul style="list-style-type: none"> <li>▪ Side shot</li> <li>▪ Close-up</li> <li>▪ Hands only</li> <li>▪ Slow movement</li> <li>▪ 5 second lead in and out</li> </ul>	
 	<p>F. Remove the bulb</p>	<ul style="list-style-type: none"> <li>▪ Do not pull on the wires. Use the bulb outlet.</li> <li>▪ Close-up</li> <li>▪ Hands only</li> <li>▪ Slow movement</li> <li>▪ 5 second lead in and out</li> </ul>	<p>Grasp the bulb from the side and the wire harness. Gently rock the bulb and pull it out of the harness.</p>
 	<p>G. Release and remove the spare bulb</p>	<ul style="list-style-type: none"> <li>▪ Do not touch the front of the bulb</li> <li>▪ Side shot</li> <li>▪ Close-up</li> <li>▪ Hands only</li> <li>▪ Slow movement</li> <li>▪ 5 second lead in and out</li> </ul>	<p>Release the spare bulb and avoid touching the front of the bulb.</p>


 	<p>H. Install the spare bulb</p>	<ul style="list-style-type: none"> <li>▪ Do not touch the front of the bulb</li> <li>▪ Do not pull on the wires. Use the bulb outlet.</li> <li>▪ Carefully match the outlet holes with the bulb prongs</li> <li>▪ Side shot</li> <li>▪ Close-up</li> <li>▪ Hands only</li> <li>▪ Slow movement</li> <li>▪ 5 second lead in and out</li> </ul>	<p>Insert the spare bulb into the wire harness by matching up the outlet holes to the bulb pins.</p>
 <p>Shot shows light coming on.</p>	<p>I. Plug in power source and turn on light source to test bulb.</p>	<ul style="list-style-type: none"> <li>▪</li> </ul>	<p>Insert the bulb in the bulb mount. Place the bottom of the bulb in first and secure the bulb latch. Push in the bulb drawer and close the bulb door. Plug the lightsource into the electrical outlet.</p>

### 5. Attach Bronchoscope

Image	Tasks	Notes	Script
	<p>A. Insert scope plug</p>	<ul style="list-style-type: none"> <li>▪ Go straight in; no bending or rocking motion.</li> <li>▪ Close-up</li> <li>▪ Hands only</li> <li>▪ Slow movement</li> <li>▪ 5 second lead in and out</li> </ul>	
	<p>B. Verify that light source is on.</p>	<ul style="list-style-type: none"> <li>▪ Close-up</li> <li>▪ Hands only</li> <li>▪ Slow movement</li> <li>▪ 5 second lead in and out</li> </ul>	

**6. Use and Clean Bronchoscope**

Image	Tasks	Notes	Script
	<p>A. Pour NSS into sterile specimen cup and fill halfway. Replace lid loosely and have on stand-by.</p> <p>B. Place lubricant on gauze and have on stand-by. (May need to lubricate tip of scope to help with insertion into nare, plastic adaptor, etc...)</p> <p>C. Make sure suction equipment is on and functioning with appropriate catheters.</p> <p>D. Assist physician</p> <p>E. Turn on air as needed</p> <p>F. Adjust brightness as needed</p>	<ul style="list-style-type: none"> <li>▪ Close-up</li> <li>▪ Hands only</li> <li>▪ Slow movement</li> <li>▪ 5 second lead in and out</li> </ul>	
	<p>G. Turn off light source – air and main power</p> <p>H. Detach bronchoscope from light source</p>	<ul style="list-style-type: none"> <li>▪ Close-up</li> <li>▪ Hands only</li> <li>▪ Slow movement</li> <li>▪ 5 second lead in and out</li> </ul>	
	<p>I. Send scope for cleaning</p> <p>(Dirty scopes are taken to the Endoscopy dirty processing room in the OR and placed in Endozyme for cleaning. The Respiratory Equipment Technician is notified for processing of the dirty scope Monday thru Friday 7 – 4 pm. )</p>	<ul style="list-style-type: none"> <li>▪ Long shot</li> </ul>	

 <p>The first image is a line drawing of a camera. Below it are two photographs: the top one shows a hand placing a bronchoscope into a cart, and the bottom one shows the bronchoscope inside the cart.</p>	<p>J. Verify return of bronchoscope to cart</p>	<ul style="list-style-type: none"><li>▪ Close-up</li></ul>	
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