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| **Yale New Haven Health**  *Department of Central Sterile Supply*  Process #ASS002 Inspection Fiberoptic Light Cords  Standard Operating Procedure  Original:  Last Reviewed:  Approved by: |

**Purpose:** To provide the procedures for inspection of fiberoptic light cords each time they are processed.

**Definitions:**

**Background:**

PPE required:

* Head covering
* Clean surgical scrub attire

Equipment/tools required

* Direct light source – optional
* Indirect light source

**Procedures:**

1. Inspect fiberoptic light cords each time they are processed
   1. Inspect cords of nicks, cuts, burns, holes, kinks
      1. Replace light cord if damage is noted
      2. Send light cord for repair
2. Check that cord is clean
   1. Inspect cord
   2. Inspect connections and adaptors (if applicable)
      1. Adaptors should be removed for sterilization unless otherwise directed by manufacturer’s instructions for sterilization
      2. Make sure all adaptors are packaged with the light cord for sterilization
3. Inspect light fibers
   1. Hold one end of fiberoptic cord to indirect lighting source (ex. ceiling light)
   2. View other end of fiberoptic cord. Bright light should be seen
      1. Replace cord if 15-20% of fibers are broken (noted as black dots on surface of connector)
4. If functionality is in doubt after Step 3, use light source to test quality and quantity of light
5. Notify supervisor if functionality is in question