



# Medical laboratory instrument

## Lecture two

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## Cleaning of Microscope

### Cleaning Solutions:

- Soap solution for cleaning of body and stage
- Alcohol, or lens cleaner solution for cleaning of lenses

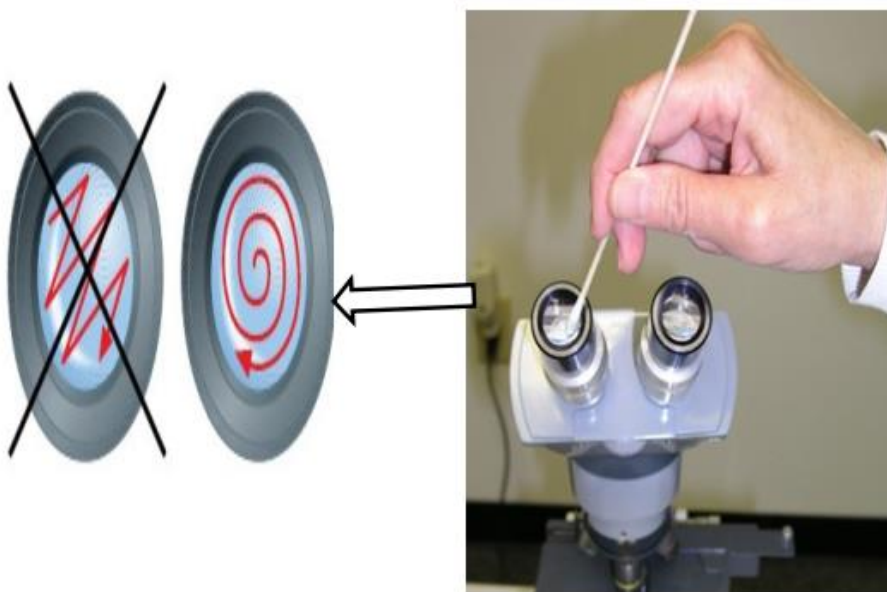
### Cleaning Materials:

- Lint-free cotton gauze pads
- Lint-free cotton swabs
- Lens paper



## Cleaning the Eyepieces

- .Turn off the microscope-
- .Unplug the microscope from power source-
- .Remove dust before wiping lens
- .Clean the eyepieces with a cotton swab moistened -with lens cleaning solution
- .Wipe in a circular motion inside out - .
- .Dry with lens paper
- .Repeat cleaning and drying if required-



Cleaning in circular motion inside out

## **Replacing the Microscope Bulb**

- .Turn off the microscope
- . Unplug the microscope from power source
- . Find location of bulb
- .Follow manufacturer's instructions to remove the bulb

## **Maintenance of Microscope:**

- 1- Never disassemble the microscope as doing so may cause electric shock or damage to the microscope.
- 2- Allow the halogen bulbs to cool before touching. Halogen bulbs become hot and may cause burns if touched.
- 3- To avoid electric shock or damage to the instrument, unplug the microscope before replacing the bulb.
- 4- Use only the halogen or fluorescent bulb
- 5- Turn off and unplug the microscope before moving.
- 6- Always carry the microscope with two hands .
- 7- Never touch the lenses with fingers.
- 8- When finished the scope , roll the stage down to lowest level

### **Storage of Microscope:**

- 1- Always cover the microscope with the supplied dust cover when not in use
- 2-Store in a dry place
- 3- In moist environments, it is advisable to store the microscope in a waterproof container with a drying agent.
- 4- Do not touch the optical lens with bare fingers
- 5- Do not store the microscope in direct sunlight.