STERILIZATION AND DISINFECTION

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CLINICAL INSTRUCTOR



ROOM AND DELIVERY ROOM

NURSING PROCEDURES THAT ARE INVASIVE

PURPOSE

THAT WILL COME INTO CONTACT WITH BODY TISSUES.

PROTECT PATIENTS FROM POSSIBLE INFECTION WHEN NATURAL DEFENSES ARE NOT NORMAL

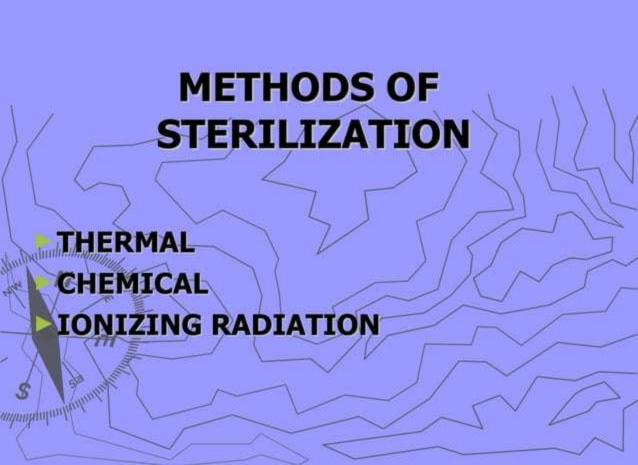


PROCEDURES WHEN UNDERLYING TISSUES ARE BEING EXPOSED

INTERNAL BODY AREAS ARE NORMALLY STERILE

STERILIZATION

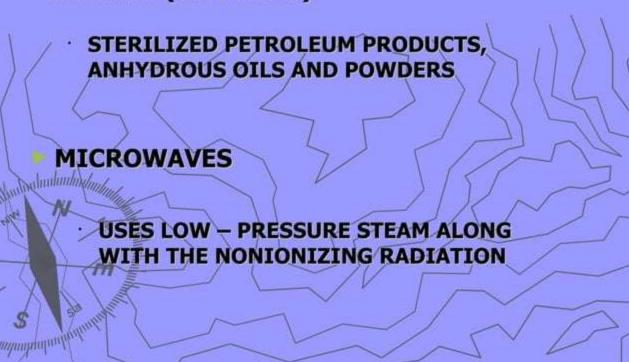
- COMPLETE DESTRUCTION OF MICROORGANISM
- ITEMS MUST NOT ONLY BE FREE FROM MICROORGNISM BUT ALSO UNDAMAGED
 - ITEMS MUST FIRST BE CLEAN
 BEFORE STERILIZED



THERMAL





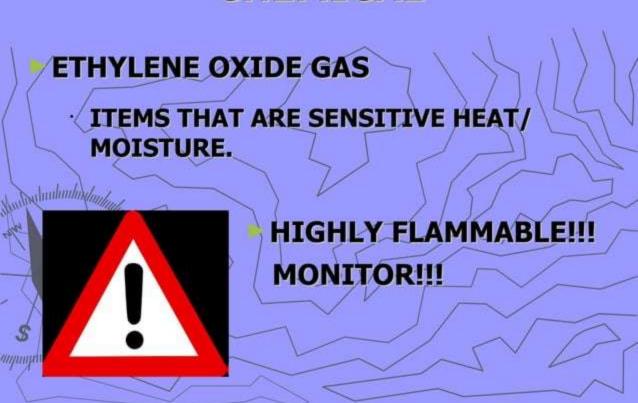


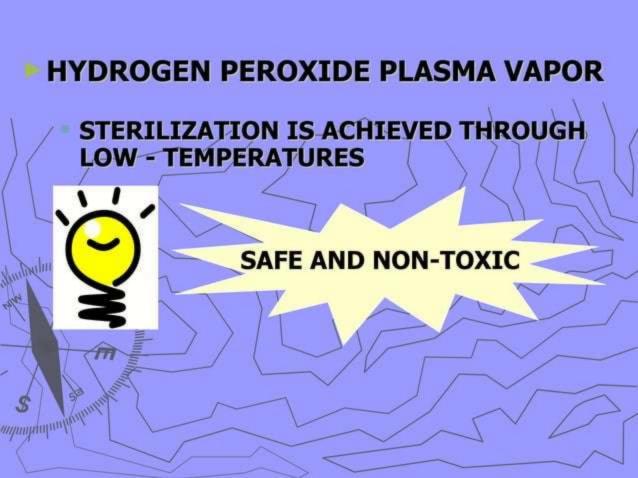






CHEMICAL









- LIQUID STERILANT
- SUITABLE FOR STERILIZING HEAT -SENSITIVE ITEMS
- RINSE IN STERILE WATER BEFORE USING
 - CAN BE USED IMMEDIATELY

IONIZING RADIATION





- the process of killing pathogenic organisms
- used when items cannot be sterilized or situations where no method of sterilization is available

TYPES









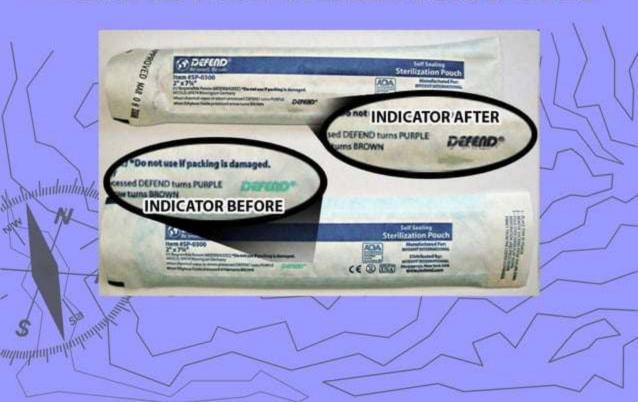
PHYSICAL DISINFECTANTS



INDICATORS OF STERILITY



PACKAGE WITH STERILE INDICATORS



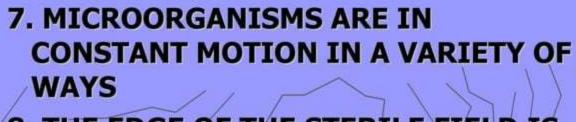
EXPIRATION DATE



GENERAL PRINCIPLES

- MICROORGANISMS MOVE THROUGH SPACE IN AIR CURRENTS
- MICROORGANISMS
 TRANSFERRED FROM ONE SURFACE
 TO ANOTHER WHEN A NONSTERILE
 OBJECT TOUCHES OTHER OBJECTS
- OBJECT TO ANOTHER AS A RESULT OF GRAVITY WHEN A NON-STERILE ITEM IS HELD ABOVE ANOTHER ITEM

- 4. MICROORGANISMS TRAVEL RAPIDLY ALONG ANY MOISTURE THROUGH A WICKING ACTION
- 5. MICROORGANISMS MOVE SLOWLY
 ALONG A DRY SURFACE
- 6. MICROORGANISMS ARE RELEASES
 THROUGH THE AIR ON DROPOLET
 NUCLEI WHENEVER A PERSON
 BREATHES OR SPEAKS



8. THE EDGE OF THE STERILE FIELD IS POTENTIALLY CONTAMINATED BY MICROORGANISMS MOVING IN FROM THE OUTSIDE

