PRINCIPLES OF INFECTION CONTROL

INTRODUCTION TO COSMETOLOGY
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WHAT IS BACTERIA?

A one-celled microorganism having both plant and animal characteristics
WHERE IS BACTERIA FOUND?

BACTERIA CAN BE FOUND IN:

- Air
- Body secretions
- Clothing
- Decayed matter
- Environmental surfaces
- Free edge of nails
- Skin
- Water
PARASITES
WHAT IS A PARASITE?

Organisms that grow, feed and shelter on or in another organism while contributing nothing to the survival of that organism
OTHER PARASITES

- Fleas
- Head lice
- Mites
- Scabies
- Ticks
VIRUSES
WHAT IS A VIRUS?

A parasitic submicroscopic particle that infects and resides in cells of biological organisms
VIRUSES CAN CAUSE

- Common colds
- Gastrointestinal infections
- Respiratory infections
OTHER VIRUSES

- Chicken pox
- Hepatitis
- HIV
  - AIDS
- Influenza
- Measles
- Mumps
- Polio
- Rabies
- Smallpox
- Yellow fever
NAIL SALON INSPECTIONS

**Unsanitary Conditions at Nail Salons Pose Health Risk**
(click on link)

**Inspection Records Reveal Big Fines at Some DFW Nail Salons**
(click on link)
Good Health → Good Life
IMMUNITY

The ability of the body to destroy and resist infection
GOOD HEALTH

- Natural
- Acquired
BACTERIA DON’T PASS IT ON

CONTROLLING INFECTION
INFECTION

The invasion of body tissues by disease-causing pathogens

SAFETY FIRST!
Cosmetologists shall:

- wash their hands with soap and water, or use a liquid hand sanitizer, prior to performing any services on a client.
CLEANING

A mechanical process (scrubbing) using soap and water or detergent and water to remove all visible dirt, debris and many disease-causing germs from tools, implements and equipment.
DISINFECTION

Destroys most, but not necessarily all, harmful organisms on environmental surfaces
MULTIUSE TOOLS AND IMPLEMENTS

- Must be cleaned and disinfected
- Before and after every service
- Mix disinfectants according to manufacturer’s directions

How to Establish the Disinfectant Tray
FEDERAL AGENCIES

▪ **Environmental Protection Agency (EPA)**
  - Registers all types of disinfectants sold and used in the United States

▪ **Occupational Safety and Health Administration (OSHA)**
  - Regulates and enforces safety and health standards
  - Protects employees in the workplace
STATE AGENCY

- Protects
  - Salon professionals
  - Consumers’
    - Health
    - Safety
    - Welfare

- Texas Department of Licensing and Regulation
  - Cosmetologists
    http://www.tdlr.texas.gov/cosmet/cosmet.htm

(image from website)
REVIEW

1. Where is bacteria found?
2. What do parasites need to survive?
3. What is the first step before performing work on any client?
4. After cleaning and disinfecting a foot spa, what must you do?
5. What agency protects employees in the workplace?
QUESTIONS?
REFERENCES AND RESOURCES

Images:
- Shutterstock™ images. Photos obtained with subscription. (Slides 1, 3, 4, 6, 7, 8, 9, 10, 11, 14, 15, 16, 17, 18, 19, 20, 21, 23, 25)

Textbook(s):

Videos:
- Inspection Records Reveal Big Fines at Some DFW Nail Salons
  Inspection records for North Texas nail salons reveal thousands of violations and hundreds of dollars in fines over unsanitary conditions and licensing issues.
- Unsanitary Conditions at Nail Salons Pose Health Risk
  The unsanitary conditions you don’t see at your neighborhood nail salon could affect your health and safety, but knowing what to look and ask for could limit your risk of problems.

Website(s):
- Health Hazards in Nail Salons
  Biological Hazards
  Biological hazards include bacteria, fungi, and viruses.

YouTube™:
- How to Establish the Disinfectant Tray
  Establishing the disinfectant tray is the first operation for State Board Exam for all beauty school students, who take a test to get their license. Sanitation and disinfection operation is a separate procedure. It requires to disinfect the soiled implements of the previous operation, like haircut or color, that was in the exam book before sanitation.
  http://youtu.be/iqaV39GF4Hs