Preventing Infections in the Salon Environment

Introduction to Cosmetology
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Regulations

• Federal Agencies
  – set guidelines for the manufacturing, sale, and use of equipment and chemical ingredients
  – monitor safety in the workplace and place limits on the types of services performed

• State Agencies
  – Regulate licensing, enforcement, and conduct while working in a salon
Federal Agencies

• Occupational Safety and Health Administration (OSHA)
  – Occupational Safety and Health Act of 1970
    • Hazard Communication Standard (HCS)
      – Material Safety Data Sheet (MSDS)

• Environmental Protection Agency (EPA)
State Agency

- Texas Department of Licensing and Regulation (TDLR)
  - TDLR’s Mission
  The mission of the Texas Department of Licensing and Regulation is to honor the trust of all Texans, ensure public safety and consumer protection, and provide a fair and efficient regulatory environment.
  http://www.tdlr.texas.gov/
THE IMPORTANCE OF PREVENTING INFECTIONS
Principles of Infection

Prevention begins and ends with YOU!
Hand Washing

Wash your hands before and after each client to prevent the spread of germs.

According to the CDC, follow these steps:

1. Wet your hands with clean running water (warm or cold) and apply soap.
2. Rub your hands together to make a lather and scrub them well; be sure to scrub the backs of your hands, between your fingers, and under your nails.
3. Continue rubbing your hands for at least 20 seconds. Need a timer? Hum the "Happy Birthday" song from beginning to end twice.
4. Rinse your hands well under running water.
5. Dry your hands using a clean towel or air dry.

Put Your Hands Together
(Click on link)
Bacteria

• One celled microorganisms that have both plant and animal characteristics
• Microscopic in size
• Can exist almost anywhere
Types of Bacteria

Nonpathogenic
• Harmless bacteria
  – Yogurt, cheese, medicines

Pathogenic
• Harmful bacteria
  – Cocci
    • Staphylococci
    • Streptococci
    • Diplococci
  – Bacilli
  – Spirilla
Viruses

• Live by penetrating and taking over cells
• Resistant to antibiotics
• Some vaccines are available
• Common virus in salons
  – HPV-Human Papilloma Virus
Bloodborne Pathogens

- Carried in the body by blood or body fluids
  - Hepatitis A
  - Hepatitis B
  - Hepatitis C
  - Human Immunodeficiency Virus (HIV)
Fungi

- Microscopic plant parasites that include molds, mildews and yeasts
  - Tinea barbae (barber’s itch)
  - Tinea capitis
  - Tinea pedis
Parasites

- Organisms that need a host to survive
- Can live on or inside of humans and animals
  - Pediculosis capitis (head lice)
  - Scabies (itch mite)
  - Both contagious
Decontamination Method 1
Decontamination Method 2
Disinfectants
Handwashing
PREVENTION
Decontamination Method #1

• Two step process
  – Cleaning tools
    1. Wash with soap and warm water, then scrub with a clean and disinfected nail brush
    2. Use an ultrasonic unit
    3. Use a cleaning solvent
  – Disinfecting
Decontamination Method #2

• Two step process
  – Cleaning tools
  – Sterilizing
    • autoclaves
Disinfectants

• Appropriate for salon use:
  – Quaternary Ammonium Compounds (quats)
  – Phenolics
  – Bleach
Choosing a Disinfectant

• Must have efficacy
• Sustainable for at least a week or more
• Inexpensive
• Nontoxic and nonirritating
• EPA approved & environmentally friendly
• No odor & noncorrosive
• Be readily available
Proper Use of Disinfectants

• Thoroughly clean/sanitize implements before disinfecting
• Completely submerge according to manufacturers time directions
• Use on nonporous surfaces only
• Wear gloves and safety glasses/goggles
• Mix according to directions
Your Professional Responsibility

- Protect yours and your clients’ health and safety
- Never take shortcuts for cleaning and disinfecting
- Follow the state and federal laws
- Keep your license current
- Check TDLR website frequently for updates to rules and regulations
References and Resources

Images:
• Microsoft Office Clip Art: Used with permission from Microsoft.

Textbook:

Websites:
• Centers for Disease Control and Prevention (CDC)
  Keeping hands clean is one of the best ways to prevent the spread of infection and illness.  
  http://www.cdc.gov/features/handwashing/
• Occupational Safety and Health Administration (OSHA)
  Nail Salon Workers: Stay Healthy and Safe While Giving Manicures and Pedicures 
  https://www.osha.gov/pls/publications/publication.html
• Texas Department of Licensing and Regulations
  The leader in public service, customer satisfaction, and innovation 
  http://www.tdlr.texas.gov/index.htm
• United States Environmental Protection Agency (EPA)
  Guidance from the EPA and the Centers for Disease Control and Prevention (CDC) 
  http://www.epa.gov/pesticides/factsheets/pedicure.htm

Video:
• Put Your Hands Together
  Handwashing may be your single most important act to help stop the spread of infection and stay healthy.  
  www.cdc.gov/CDCTV/HandsTogether