Hazardous Waste Management: College of Dental Medicine

Senior Hazardous Materials Specialist
Environmental Health and Safety
No drain disposal

Hazardous Materials Management
- 5 L’s Rule
- Hazardous Dental Waste
- Amalgam, Capsules, Teeth
- Chair Side Traps & Lead Foils
- Aerosol Cans
- Used Batteries & Lamps
- X-ray Film & Silver Recovery
- Pharmaceutical waste
- Sharps
EMS Policy: No Drain Disposal

No Drain Disposal Policy

All waste must be collected for safe and proper disposal through EH&S
Hazardous Materials Management: 5 L’s Rule

- collect
- Label
- Lid
- Locate
- Leaks
Hazardous Materials Management: Waste Management

Types of Hazardous Dental Waste

- Amalgam and capsules
- Chair side traps
- Lead Foil
- Extracted Teeth
- Aerosol Cans

- Batteries
- Sharps
- Chair Side Lamps
- Pharmaceutical waste
  - lidocaine & marcaine carpules
Hazardous Materials Management: Amalgam & Capsules

- Designated collection containers are found at each station utilizing amalgam.
- Amalgam and capsules must be collected in containers shown below.
- Once the chair side containers are full, they must be poured into the 5-gallon pre-labeled amalgam container.

(located on VC 7th & 8th floor – between work stations)
Hazardous Materials Management: Amalgam & Teeth

ALL extracted teeth, including those containing amalgam, must be placed in non-hazardous waste containers along with a 10% bleach solution (located on VC 7th Floor)
Hazardous Materials Management:
Chair Side Traps & Lead Foils

Must be collected after use and placed into the designated 5-gallon or 1-gallon non-hazardous waste containers located on each floor (located on VC 7th & 9th floor)
Aerosol cans, even if empty, must have the original cap placed on the can or the nozzle removed.
(located on VC 8th & 9th floor)
1st Waste Review

- Hazardous Materials
- www.ehs.columbia.edu
Hazardous Materials Management: Used Batteries

No wet chemistry batteries

8th Floor P&S Hallway: between P&S & Black Building hallway)
Hazardous Materials Management: Used Lamps

- Chair Lamps and other fluorescent lamps
  - All lamps are recycled due to Mercury content

Bring expired/broken lamps to the Sterilization Room on VC 8th Floor
Hazardous Materials Management: Pharmaceutical Waste

- Epinephrine containing carpules that are full or expired: Bring to sterilization room or label container on 7th and 8th floor

- Epinephrine containing carpules that are empty: Bring to sharps container – located on every floor
Hazardous Materials Management: Pharmaceutical Waste

- Expired or partially used medications may not be discarded in the trash, RMW or down the drain
- CODM Pharmaceutical materials must be managed through the Pharmacy and returned to them after use

**EH&S CANNOT ACCEPT**

DEA Controlled Substances as waste
Sharps

- All sharps must be collected in red, puncture resistant sharps containers, including:
  - Needles
  - Razor blades
  - Dental/orthodontic wire
  - Pipettes and pipette tips
  - Broken glass that has come in contact with blood or bodily fluids
  - EMPTY epinephrine and lidocaine vials

Located on all floors
2nd Waste Review

Hazardous Materials
www.ehs.columbia.edu

Located on all floors

8th Floor P&S Hallway: between P&S & Black Building hallway)

Located on all floors
What’s Wrong With This Picture?
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Thank you!