**Products and Practices to Promote Safety in the Human A&P Laboratory**

**HAPS SAFETY COMMITTEE**

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### Personal Protection

Each student should be supplied with disposable vinyl aprons or lab coats and nitrile or vinyl (not latex) gloves. Face shields protect against splashes of fluids and tissue fragments during dissections.

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### Air Scrubber

The EPA suggests that if the source of indoor air pollution can not be eliminated, air scrubbers, devices which clean the air, may be useful. There are a number of different technologies that are used or used in combination in portable air scrubbers.

HEPA (high efficiency particulate air) filters remove particles by capturing them on filter media.

ULV (ultraviolet germicidal irradiation) cleaners use ultraviolet radiation from UV lamps that may destroy bacterial pollutants such as viruses, bacteria, and molds.

Gas-phase air filters remove gaseous pollutants by using a sorbent, such as activated carbon, to adsorb targeted pollutants, particularly gaseous pollutants, such as formaldehyde.

Ozone generators use UV lamps or electrical discharges to produce ozone. The ozone reacts with chemical and biological pollutants and transforms them into harmless substances (not always safe and effective in controlling indoor air pollutants).

An example of an air scrubber used in a gross anatomy lab combined the technologies of HEPA air filtration, UV lights, and a charcoal sorbent to adsorb formaldehyde.

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### Fire Blanket

A wool blanket treated with a flame retardant is useful in smothering small lab fires.

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### Emergency Call Box

Laurel should have an emergency call box installed to provide direct access to a Campus Safety Department or other designated contact for immediate assistance in case of an emergency.

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### First Aid Kit

The Red Cross recommends that the kit include:

- One of each:
  - Adhesive cloth tape (10 pt x 1 in)
  - Blanket (space blanket)
  - Breathing barrier with 1-way valve
  - Instant cold compress
  - scissors
  - Roller bandage (3 in wide)
  - Roller bandage (4 in wide)
  - One thermometer (non-mercury/non-glass)
  - Tweezers

- Two of each:
  - Antibiotic ointment packets (1 g w/g)
  - Breathing barrier with 1-way valves
  - Hydrocortisone ointment packets (1 g w/g)
  - Tranquillizers

- Five of each:
  - Antibiotic ointment packets (1 g w/g)
  - Antibiotic ointment packets (1 g w/g)
  - Sterile gauze pads (3 x 3 in)
  - Sterile gauze pads (4 x 4 in)

- 25 adhesive bandages (assorted sizes)

Check the kit regularly; dispose and replace medications with out of date expiration dates.

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### Eyewash Station

It should take only take 20 seconds to reach an eye wash station from any location in the laboratory.

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### Bloodborne Pathogen Spill Kit

Designed to guard personnel attending to the injured or ill against biohazards in blood and body fluids. Kit includes:

- Antiseptic Wipes
- Labeled biohazard bag
- Disposable bottle
- Disposable gown w/mL sleeve
- Eyewash with eye loop mask
- Latex Gloves
- Disposable shoe covers
- Rescue Breather CPR 1-Way Valve
- Face Shield

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### Scalpel Blade Remover

Remove scalpel blades safely without contact by using a blade remover.

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### Safety Signage

Signs should be posted in the lab to point out the location of hazardous chemicals, safety equipment, and emergency contact numbers.

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**HAPS Annual Conference**

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