

Lecture 4: Workshop Safety



Health and Safety – Why?

- . Lots of workplace injuries are preventable
- . WHS – think before you do.
- . “This paperwork is boring. I just want to cut wood and drill holes”
- . Trust me, this paperwork is nothing compared to the paperwork you have to complete when an incident occurs...

Workshop opens Thursday Week 7

2-4pm

- **Biomed Lab 518 /519 in Samuels building. Facilities are limited.**
- **If you don't know where this is, find it NOW**
- **Space is small – strongly suggest that you send a sub-team to the workshop (2-3 members)**
- **There are other facilities on campus (Willis Annexe, Michael Crouch Innovation Centre) – see Moodle section “Resources”**
- **GOAL: No Injuries**

You must have:

- Safety glasses (Arc store)
- Covered footwear (no thongs, sandals)
- Read and electronically sign the SWP and Risk Assessment on SafeSys (links on moodle)
- Otherwise, no entry!

**Warning: Graphic content on
the next slides.**

Hands



Hands

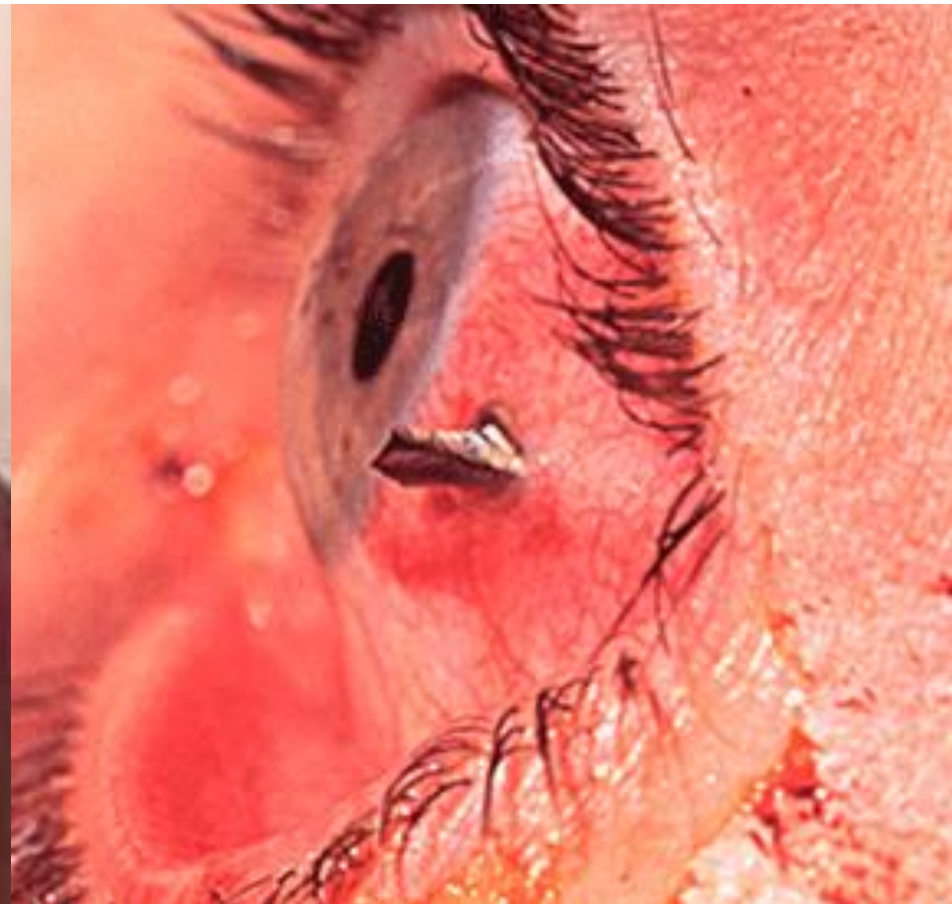


Hands



Eyes

- Spinning machinery can throw things



Eye protection



Feet



Foot protection



Foot protection



Why would someone faint in the workshop?



Mmm, nice boots ..



Hazards

- Sharp / cutting tools: saws, knives, chisels
- Pinching tools: pliers
- Hitting tools: hammer
 - Thumbs
 - Eyes
- Spinning tools: drill, especially large diameter drill bits
 - “Helicopters”
 - Hold the work piece securely
- Force → slip → cut flesh that is in the way
 - Use the vice!
- Heat

Controls

- Recognise the hazard
- Hold the workpiece (clamp, vise, helping hands)
- Be aware of onlookers around you
- Onlookers stand back from the tool user
 - Speak up if you see a safety hazard
- Use controlled force
- Cut away from yourself (and others)
- Wear eye protection
- Wear foot protection

Tool list

- Cross-cut saw (for wood)
- Hacksaw (for metals)
- Coping saw (jigsaw)
- Hammer
- Square
- Tape measure
- Screwdrivers
- Clamps
- Vice
- Cordless drill + bits
- Tin snips
- Pliers
- Vice-grip
- Pop rivet tool + rivets
- Soldering iron
- Files (for metal,...)
- Rasp (for wood)









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