

Please read this in conjunction with the supporting documents on your relevant intranet pages

COSHH risk assessments are available for viewing on request and located in the DR, ASL & HAU Office

1. **Academic Head of Unit:** Professor D. Ceri Davies
2. **Organisers & Lead Supervisors:** Dr. M.Thavarajah, Dr. P.Strutton, Dr. M.Lowrie, Dr.P.Clark, Dr.S.Gentleman, Ms Julia Cork
3. **Courses Undertaken :** UG 6 yr MBBS/BSc Course , Graduate Entry, O&G, Musculoskeletal and Biomed Sci, Bsc Surg and Neurosciences
4. **Location of the Practical Class (s):** Rooms 13L05, 13L05A & 14L10
5. **Persons at Risk:** Imperial & NHS Staff, Demonstrators and Students
6. **Description of Practical Class (s):** Practical sessions as part of the 6yr MBBS and other Imperial undergraduate courses, integrating cadavers and parts, (handling & dissection), and use of other learning materials to teach Human Anatomy.
7. **General Control Measures:**
  - a. **All persons are to wear Personal Protective Equipment** i.e. Plastic gown, nitrile gloves and safety spectacles. Double gloving may be necessary and additional PPE will be available for thorax and abdomen dissection sessions. Students will be made aware of these extra precautions at the start of the class. Advise a member of HAU staff if skin irritation occurs through use of gloves.
  - b. **A high standard of Hygiene is required** to avoid exposure to biological and chemicals hazards. **Eating, drinking, chewing of gum or application of cosmetics is strictly forbidden.**
  - c. **All teaching materials should be used with care** and any breakages or faults must be reported to HAU staff who will take the appropriate actions to repair or remove the materials.
  - d. **Discard** PPE, soiled paper etc. into orange clinical waste bags.
  - e. **Hands to be washed** before leaving the dissecting room

### 8. Hazards:

<u>Hazard</u>	<u>Risk Matrix Rating</u>	<u>Control Measures and Emergency Actions</u>
<b>8a)</b> Exposure to hazardous chemicals: e.g. phenol, formaldehyde, from embalming fluid by inhalation, ingestion, skin or eye contact.	<b>3</b>	<p><b>Controls:</b> Wear PPE provided at all times. This includes thumb loop gowns, gloves and safety glasses, change PPE when necessary. Remove excess fluid with paper tissue, inco-pads or suction and ensure a high standard of hygiene is maintained. HAU Staff will monitor record and check ventilation system is working. Report any ventilation faults or elevated fume levels to HAU staff.</p> <p><b>Actions:</b> Use additional extraction outlets or cease work if formaldehyde readings are above 2ppm Wash affected skin if exposed (follow COSHH form procedures), use <a href="#">polyethylene glycol</a> to deactivate the residual phenol if exposure occurs. Seek first aid/ medical attention.</p>
<b>8b)</b> Exposure to human bone dust from sawing, cutting or drilling cadaver bones.	<b>3</b>	<p><b>Controls:</b> Wear PPE (thumb loop gown, gloves and glasses) – change when necessary. Wear surgical face masks to prevent inhalation of aerosols &amp; dust. Provide tools with localised extraction where possible. Dampen bone to minimise airborne particles.</p> <p><b>Actions:</b> Seek first Aid/medical attention</p>
<b>8c)</b> Potential exposure to biological Hazards	<b>3</b>	<p><b>Controls:</b> All accepted cadavers have been screened, through known medical records, to avoid acceptance of those with infections that may place attendees at risk. Cadavers with a history of dementia are not used for any CNS work. Students &amp; HAU Staff are monitored by Occupational health.</p> <p><b>Actions:</b> Seek first aid/ medical attention. Contact Occupational Health/safety Department for assistance.</p>
<b>8d)</b> Injury from sharp instruments, tools and bone edges or fragments	<b>3</b>	<p><b>Controls:</b> Double glove during thorax and abdomen teaching sessions. Students must not dissect unless supervised by a demonstrator or HAU staff member. Do not use excessive force, follow safe dissection technique and use the least hazardous instrument for the task. Do not re sheath needles and ensure pins are removed from the tissues. Avoid wearing loose/ hanging clothing such as ties, jewellery etc. Wear closed toe shoes that protect the dorsum of the foot . Avoid contact with sharp bone edges –smooth with rasp if necessary.</p>

		<p><b>Actions:</b> If injury occurs seek first aid/ medical attention</p>
8e) Manual Handling of museum pots, cadavers/parts and other teaching resources .	3	<p><b>Controls:</b> Students are not to lift museum pots or cadavers unsupervised. HAU staff must be consulted if manual handling is required. All persons must follow risk assessments and the approved manual handling technique. Lifting and transport aids must be used where possible.</p> <p><b>Actions:</b> If injury occurs, seek first aid/ medical attention</p>
8f) Injury caused by slips and trips	3	<p><b>Controls:</b> Inform HAU staff of any liquid or tissue on the floor. Do not allow tissue or cloth to overhang the table edge. Do not place cables in high traffic areas. Tape down to the floor or use suitable rubber cable protectors. No unstable footwear to be worn at any time.</p> <p><b>Actions:</b> Seek First Aid/ Medical attention. Clean up any spillages with inco pads and/or mop and bucket and cordon off area until floor is dry and deemed safe.</p>
8g) Injury caused by illness or fainting	4	<p><b>Controls:</b> Staff are advised of the procedures for dealing with student illness or fainting. Students are told to make sure they advise their demonstrator or fellow students if they are feeling unwell. HAU staff must be made aware of any incidents and the persons involved are not allowed to leave the area without permission from a staff member.</p> <p><b>Actions:</b> Seek First Aid/ Medical Attention as necessary</p>

**Risk Matrix table**

Assess risk using the matrix below to obtain a value for Severity and Probability. ADD the two scores to give the overall risk score. A score of 3 or less is Low Risk.

Category	Severity – Example	Score
MINOR	Superficial injuries – cuts, bruises, mild skin irritations, mild aches and pains requiring first aid only. Minor property damage.	1
SERIOUS	More Serious injuries or ill health requiring time off work or study or a hospital visit. More serious property damage.	2
MAJOR	Broken limbs, amputations, long term health problems resulting from work or acute illness requiring medical treatment, loss of consciousness, electric shock, loss of sight. Major property damage.	3
FATAL	Injury or ill health which leads to death either at the time or soon after the incident, or eventually, as in the case of certain occupational health disease such as asbestos related cancers.	4
Category	Severity – Example	Score
VERY UNLIKELY	Good control measures are in place. Controls do not rely on a person using them. Controls are unlikely to break down. People are rarely in this area or engage in this activity.	1
UNLIKELY	Responsible control measures are in place but rely on a person using them. Controls unlikely to breakdown. People are not often in this area/ do not engage in this activity often / situation is unlikely	2
POSSIBLE	Inadequate controls are in place, or likely to breakdown if not maintained. Controls rely on person compliance. People are sometimes in this area/engage in this activity/ this situation sometimes arises	3
LIKELY	Poor or no controls in place. Heavy reliance on personal compliance. People are often in this area/ engage in this activity/ this situation often arises.	4

**9. Accident / Near Miss Reporting:** Always report an accident / near miss immediately to your supervisor or local safety co-ordinator / lab manager for reporting and investigation.

**10. Sign off by Campus Safety Manager and Head of Section – this assessment must be completed and signed off below before the start of the class exercise.**

**Campus Safety Manager:**

**Name:** Mr Sukwinder Singh

**Signature**



**Date:** 23.08.11

**Head of Unit :**

**Name:** Prof Ceri Davies

**Signature**



**Date:** 23.08.11