



University of
BRISTOL

University of Bristol

Outreach- Visiting Us

Date:	Assessed by:	Checked by:	Assessment ref no:	Review date:
20/04/2016	Naomi Cave	Tom Curry		20/05/2017

Description and location of hazard	Who might be harmed	Existing control measures	A. Likely severity of injury (1 to 3)	B. Likely Occurrence (1 to 3)	Risk Rating (A) x (B)	Comments / actions
Tripping or falling over in the laboratory	Anyone	Visitors to leave all personal possessions in pigeon holes at the entrance to the lab. Ensure visitors are seated during demonstrations and when not carrying out experiments. Keep wires and leads out of the way. First aid kit to be kept in the laboratory.	1	1	1	
Fire or other emergency	Anyone	Give brief safety announcement at the beginning of the session, outlining the emergency exits and fire evacuation procedure.	3	1	3	
Food or drink becoming contaminated with chemicals	Anyone	No food or drink to be consumed within the laboratory.	2	1	2	
Spills of any chemicals on clothing and skin/eyes	Anyone	Wear lab coats and goggles if appropriate.	1	1	1	
Injury from inappropriate use of equipment	Visitors using equipment	Access only to be granted to the laboratory when a demonstrator is present. All equipment should only be used with supervision and after a demonstration has been given. Students will be provided with instruction sheets if necessary.	1	1	1	

Electrocution from equipment	Visitors using the equipment	All equipment to be checked regularly to ensure no damage can cause it to malfunction.	3	1	3	
Using Vitalograph Cross-contamination of mouthpieces	Visitors using vitalograph	Cardboard mouthpieces to be replaced after every subject and replaced if dropped in the floor.	1	1	1	
Using vitalograph-overexertion of blowing into mouthpiece	Visitors using vitalograph	Visitors who are unwell or have a respiratory condition will be advised not to be the subject.	1	1	1	
ECG-tripping over recording lead	Visitors	Keep ECG leads at the front and out of the way of anyone moving in the MTU.	1	1	1	
ECG-fainting if the subject holds their breath and remains under water too long	Subject taking part in experiment	Confirm to the subject to only hold their breath and immerse their face for as long as they feel comfortable. Ensure the demonstrator is watching at all times.	1	1	1	
ECG- Electrical shocks from equipment	Subject taking part in the experiment	Ensure the electrical equipment is kept away from the bowl of water and any spillages mopped up immediately.	2	1	2	
ECG- Risks associated with using the equipment for those with a pacemaker or similar	Subject taking part in the experiment	Visitors who have a medical reason not to undertake exercise and face immersion to not take part in the experiment. Always ask beforehand.	3	1	3	
Injury to arm if blood pressure monitor cuff overinflates	Subject using equipment	Blood pressure cuff to be supervised and turned off and removed if it overinflates.	1	1	1	
Injury to ears if stethoscope is inserted incorrectly	Subject using equipment	Demonstrate the correct way to use the stethoscope and supervise use.	1	1	1	
Cross contamination from stethoscope ear pieces	Subject using equipment	Stethoscope ear pieces to be cleaned with sterile wipes between uses.	2	1	2	

Pinching of finger in pulse oximeter	Subject using equipment	Demonstrate the correct way to use the pulse oximeters and supervise use.	1	1	1	
Ulnar nerve-possible electrical burn from stimulator	Subject using the equipment	A safety cut-off has been built into the stimulator to prevent this. Supervise activity at all times. All equipment to be checked regularly to ensure no damage can cause it to malfunction.	2	1	2	
HPS- trip hazard from umbilicus leading from simulator to generator.	Anyone in the room	All activities to be supervised. Simulation suite to be locked at all times when a demonstrator isn't present. Student only to be up in small groups-at all other times they must remain seated.	1	1	1	
HPS-leakage of CO ₂ or N ₂ from gas supplies	Anyone in the room	Toxic gas alarm will sound in detection of high levels of CO ₂ or low levels of O ₂ . Students to leave the room and building immediately. Assistance to be called to deal with the gases.	3	1	3	
HPS-Injury from misuse of pulse oximeter, stethoscope or pulse oximeters	Subjects using equipment	All equipment should only be used with supervision and after a demonstration has been given. Blood pressure cuff to be supervised and turned off and removed if it overinflates.	1	1	1	
Virtual microscope-injury from broken glass if slide is broken	Subjects using equipment	All equipment to be demonstrated prior to use and all activities to be supervised. Broken glass slides will be removed and disposed of in a sharps bin. First aid kit in laboratory.	2	1	2	
Virtual microscope-injury to eyes from light microscope	Subjects using equipment	All equipment to be demonstrated prior to use and all activities to be supervised.	2	1	2	

Score	3	2	1
Column A: Severity of injury:	Major Injury or death	Injury requiring medical treatment	Minor or no injury
Column B: Likely occurrence:	Regular exposure of several employees to hazard.	Occasional exposure of few employees.	Exposure to hazard very rare.

Risk Score	Response Times	Risk Score	Response Times
9	Immediate cessation of activity until interim controls are agreed and implemented	3&4	Review on change of process or if circumstances change. Provide additional training, supervision and monitoring.

6	Critically examine the areas of exposure in the process and agree timetable for completion of all agreed actions	<3	12 months review (date of next audit). No real changes in procedure required to reduce risk further
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Action Plan				
Ref No.	Further action required	By whom	By when	Completed