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| Name and nature of activity | Performing a lung dissection |
| Location and date of activity |       |
| Name of teacher/technician |     |
| Activity type | [x] Technician procedure [x] Teacher demonstration [x] Student activity – Student year group       |
| Physics and general equipment | Type of hazard | Controls and other measures |
| PPE (lab coat/apron, safety glasses and gloves)Dissecting boardDissecting instruments: Forceps, Probe, Scissors, Scalpel (optional)Glassware, tubing and stringPump or syringe Large, transparent, plastic bagPaper towelNewspaper | [ ]  Radiation  ionising  laser[ ]  Electrical [ ]  Thermal[ ]  Projectiles[x]  Sharps[ ]  Other –       | [x]  Relevant signage[ ]  Perspex safety shield[x]  Sharps container[x]  Glassware free from cracks or chips[x]  Safety glasses[ ]  Thermally insulated gloves[x]  Other – Only staff attach/remove scalpel blades, using safe procedures or use disposable scalpel blades.  |
| Chemicals used and produced | Type of hazard | Controls and other measures |
| Disinfectant – hospital grade, diluted according to manufacturer’s instructions(Corrosive)70% v/v ethanol (flammable) | xploding bomb[ ]  Explosivelame[x]  Flammablelame over circle[ ]  Oxidisingas cylinder[ ]  Gases under pressureorrosion[x]  Corrosive | kull and cross bones[ ]  Acute toxicityxclamation mark [ ]  Health hazardsealth hazard[ ]  Chronic health hazards nvironment[ ]  Environmental[ ]  Other –       | [x]  Limit quantity/concentration[ ]  Perspex safety shield [x]  Ventilation: natural/exhaust[ ]  Fume cupboard[x]  Safety glasses[x]  Laboratory coat/apron [x]  Gloves: latex/nitrile/neoprene/PVC[x]  Safety shower[ ]  Other –       |
| Biological/geological materials | Type of hazard | Controls and other measures |
| Fresh sheep, cow or pig heart-lung set (pluck) | [x]  Biohazard [x]  Dust/aerosols [x]  Sharps[ ]  Manual handling [ ]  Other –       | [ ]  Steriliser[x]  Disinfectant [x]  Sharps container [ ]  Dust mask[x]  Safety glasses[x]  Gloves [x]  Other – Use plastic bag when inflating lungs |
| Waste produced | Waste disposal procedure |
| Dissected animal tissue lung (pluck )(bin)Used disinfectants (sink)Used or damaged scalpel blades | [x]  Pre-treatment of waste – All parts of the lung must be wrapped in newspaper and placed in a dedicated garbage bag.When waste is collected double bag for disposal in industrial bin.[x]  Sink with water – Used disinfectants[x]  Regular waste – Dissected animal tissue (lungs)[ ]  Licenced hazardous waste company –      [x]  Other – Used/damaged scalpel blades must be placed in an approved sharps container after use. |
| Standard Operating Procedures |
| [ ]  I have read the relevant Standard Operating Procedure. [ ]  I am experienced/trained in using all the equipment listed. [ ]  All chemicals used and produced are approved for use.[ ]  I have read the current SDSs for all hazardous chemicals used and produced.[ ]  I am aware of safety guidelines for using all chemicals, materials and equipment. [ ]  I will follow local guidelines for waste disposal (water authority, local council, EPA).[ ]  I am aware of first aid procedures if required. |
| Other comments: Note that fainting may occur during this type of activity, so be familiar with first aid information. Offal that has passed a health inspection by a health inspector or procured from a butchers shop, abattoir or biological supplier is suitable for dissection.Store below 5°C prior to dissection. Use dissection scissors, instead of scalpels for students whenever possible.  |
| Conclusion:[ ]  Risks not significant now and not likely to increase.[ ]  Risks significant but effectively controlled at the moment.[ ]  Risks significant and not adequately controlled at the moment.[ ]  Uncertain about risks; more detailed assessment required. |
| Assessment carried out by:      | Signature: | Date:       |
| Assessment approved by:      | Signature: | Date:       |
| Next assessment due:       |
| This Risk Assessment assumes that the activity will be conducted in a science teaching area with the following facilities: electricity, running water, emergency shut-offs for electricity, gas if applicable, and water, regular testing and tagging of portable appliances; emergency contingencies such as evacuation/emergency plans, appropriate fire extinguishers, spill kits, hand washing facilities, eyewash/safety shower and first aid supplies. It is also assumed that all the necessary licencing requirements and approvals are obtained prior to the activity. |