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| Name and nature of activity | Performing a rat dissection | | | | |
| Location and date of activity |  | | | | |
| Name of teacher/technician |  | | | | |
| Activity type | Technician procedure Teacher demonstration Student activity – Student year group | | | | |
| Physics and general equipment | Type of hazard | | | Controls and other measures | |
| PPE (lab coat/apron, gloves and safety glasses  Dissecting board  Dissecting instruments: Forceps, Probe, Scissors, Pins/needles (entomological or drawing pins)  Scalpel (optional)  Paper towel  Newspaper | Radiation  ionising  laser  Electrical  Thermal  Projectiles  Sharps  Other – | | | Relevant signage  Perspex safety shield  Sharps container  Glassware free from cracks or chips  Safety glasses  Thermally insulated gloves  Other –  Only staff attach/remove scalpel blades, using safe procedures or use disposable scalpels. See extra comments below | |
| 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 Explosive  lame Flammable  lame over circle Oxidising  as cylinder Gases under pressure  orrosion Corrosive | | kull and cross bones Acute toxicity  xclamation mark  Health hazards  ealth hazard Chronic health hazards  nvironment Environmental  Other – | Limit quantity/concentration  Perspex safety shield  Ventilation: natural/exhaust  Fume cupboard  Safety glasses  Laboratory coat/apron  Gloves: latex/nitrile/neoprene/PVC  Safety shower  Other – | |
| Biological/geological materials | Type of hazard | | | Controls and other measures | |
| Freshly euthanised, frozen or preserved laboratory rat | Biohazard  Dust/aerosols  Sharps  Manual handling  Other – | | | Steriliser  Disinfectant  Sharps container  Dust mask  Safety glasses  Gloves  Other – See comments below | |
| Waste produced | Waste disposal procedure | | | | |
| Dissected animal tissue (rat) ( bin)  Used disinfectants (sink)  Used or damaged scalpel blades (sharps container) | Pre-treatment of waste – All parts of the rat must be wrapped in newspaper and placed in a dedicated garbage bag.When waste is collected double bag for disposal in industrial bin.  Sink with water – Used disinfectants  Regular waste – Dissected animal tissue (rat)  Licenced hazardous waste company –  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. Rats should be sourced humanely euthanised and disease (or infection) free from ethical and licenced suppliers. 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. | | | | | |