



To [REDACTED]
[REDACTED]
From [REDACTED] Named Information and Compliance Support Officer
Attendees [REDACTED]
Date 26th June 2018
Time 9.30- 10.30
Venue [REDACTED]
Subject Procedures Mixing Anaesthetic Agents
Pages 3
Our Ref CAMs_AN_14

Policy-

Compliance Assurance Meetings (CAMs) are a management tool, designed to ensure Governance outside of the Act, to protect individuals, ensure due process and systems are implemented within the division of University Biomedical Services. This process will ensure the University upholds the highest standards of animal welfare and good practice relating to animal care and use.

NOTE: A CAM meeting does not replace the investigation of an incident by the Home Office or other authority. Therefore for example, where the local inspector deems appropriate a Home Office non-compliance investigation may run in parallel or sequentially with a CAM.

Event-

On 16/11/17 [REDACTED] (PIL) was performing personal licensee surgical procedures under Protocol 13(attached) of [REDACTED] to a cage of C57bl/6 mice with [REDACTED] (PIL) using an anaesthetic mixture of Ketamine(100mg/kg) 0.5mls /Xylazine (10mg/kg) 0.25mls and sterile water 4.25mls under study plan [REDACTED] (attached). The anaesthetic had been pre-mixed by [REDACTED] into a batch of 5mls for use in that mornings procedures.

[REDACTED] reported to [REDACTED] (PIL) that two mice had died after injection of the anaesthetic mixture. The first mouse weighed 21.4g, the second mouse weighed 21.2g and both were given 0.21 mls via the intraperitoneal route (i/p).

The mice showed no signs of distress during the anaesthetic injection, [REDACTED] said she noticed when she was about to shave for surgical preparation the first animal had stopped breathing, this also happened with the second mouse. The two dead animals were subsequently frozen without post mortem inspection.

[REDACTED] confirmed that [REDACTED] is competent in both pre-operative procedures and mixing of drugs for injection which is one of her usual daily routine tasks. [REDACTED] (PIL) was present during these procedures when the incidents occurred as he was performing oral gavage on the mice prior to surgery with a control vehicle, water. He confirmed the mice had recovered from the gavage procedure prior to [REDACTED] injecting them with anaesthetic and lung dosage was not a confounding factor.

[REDACTED] subsequently suggested making up a fresh batch of anaesthetic mixture to inject a third mouse, this procedure passed without further incident. It was therefore concluded that the initial anaesthetic mixture was incorrect.

[REDACTED]



Compliance Assurance Meeting

A Compliance Assurance Meeting has been selected as the most appropriate means of action to ensure governance and compliance and, setting processes in place to impress there is no repetition of this event.

 CAMs_14_PPL
Section

There would be no change to protocols, it is good practice to make up anaesthetic drug batches. The formula is provided on the wall of the procedure room and had been recently amended by the NVS for an obese line of mice.



Training has been re-assessed and [REDACTED] had been signed off as competent and feels supported following this incident.

Action1- Anaesthetic drug batches will be retained after use following an incident to follow a full line of enquiry and rule out contamination as a cause.

Action 2- Animals which die as a result of any incident other than schedule 1 or procedural euthanasia must be retained for gross post mortem.

Action 3- The NICSO will contact the Surgery Tech group to enquire if there is a commonality regarding the BL6 mouse strain reaction to ketamine.

Glossary of terms-

AA	A procedure performed without anaesthesia
AB	A procedure performed under anaesthesia, from which the animal recovers
CAM	Compliance Assurance Meeting
HOI	Home Office Inspector
NVS	Named Veterinary Surgeon
NACWO	Named Animal Care and Welfare Officer
NICSO	Named Information and Compliance Support Officer
PIL	Personal Licence (Procedures Individual Licence)
PPL	Project Licence (Procedures Project Licence)
PEL	Establishment Licence Holder
UBS	University Biomedical Services