Home Office

PPL Standard Condition 18 Notification Form

Please use this form to notify the Animals in Science Regulation Unit (ASRU) of procedural-related adverse effects that have exceeded or are likely to exceed the severity limitations or controls described in the project licence. ASRU will use this information to determine whether any further action is required.

Do not use to report:

- adverse effects that are due to non-procedural issues;
- potential non-compliance (report by other means);
- issues without adverse welfare consequences.

If you are in doubt whether or not you need to fill in this form, please contact your assigned Inspector.

Please clearly title your document: **'ASRU_establishment name_PPL number_PPLh surname_date_sc18'** and send to your Inspector (e.g. using cjsm) with the subject heading 'PPL SC 18 Notification PPL [Number]

Establishment Licence name	University of Cambridge
Establishment Licence number	X81BD37B1
Name of PPL holder	Menna R Clatworthy
PPL number	PD030666A
Protocol no	7
Protocol title	Induction of an Immune response after production of bone marrow chimeras

Severity classification	Moderate
1. Date of incident	8th May 2022
2. Species	Mouse
3. Brief details of study and how the limits or constraints have been breached	Mice genetically modified to develop symptoms of Parkinson's disease at 9-12 months of age were irradiated with caesium in order to reconstitute them with donor bone marrow from another mouse and explore the role of immune-mediated damage in disease development. 10 mice were irradiated at 6 weeks old and monitored by weighing. 21 weeks post-irradiation (at which the mice were 28 weeks old) one of the mice was found having lost 47% of its body weight and was identified by a technician as being substantially smaller and skinnier than its litter mates. It had been weighed 12 days earlier at which point it was the same as its littermates (35g and 2% off its maximum body weight). A post-mortem autopsy was carried out which revealed an enlarged spleen and a discoloured liver and bowel.
4. Have you taken advice from the Named Animal Care and Welfare Officer/Named Veterinary Surgeon/others?	We have extended the frequency of monitoring and weighing for the remaining 9 mice on the study plan.
5. Cause of Problem, if known	Given that it was 21 weeks post-irradiation and the other 9 mice have not developed these weight loss symptoms, it is not clear if the problem was related to the irradiation procedure.
6. Action that has been or will be taken *(For example, formulation of drug changed, supportive treatment given, study design modified). If no action needed, indicate why (for example, none required as study has been terminated and will not be repeated)*	We have extended the monitoring of the mice currently on the study plan to be performed weekly to identify if this adverse event occurs in the remaining 9 mice until the end of the study plan.
7. Reported by (name)	David Posner
8. Date	13 May 2022

**********For official use**********

Inspector's comments and recommendations:

Comments and recommendations	Have read and noted the above. Could you please supply the following additional information: It's unclear whether the mouse was found dead, or the technician spotted its physical condition and it was culled. It's stated that the mouse was 'substantially smaller' than its littermates, but had normal weight 12 days earlier. How did it compare in weight to its littermates at that point (please supply weight records for the litter)? What is the weighing routine for these animals? Who is the PIL for these mice (PIL SC2) and when had they last checked them?
Inspector name	Neil Smith
Date	1 Jun 22