

The ARRIVE Guidelines Checklist

Animal Research: Reporting In Vivo Experiments

Carol Kilkenny1, William J Browne2, Innes C Cuthill3, Michael Emerson4 and Douglas G Altman5

*1The National Centre for the Replacement, Refinement and Reduction of Animals in Research, London, UK, 2School of Veterinary Science, University of Bristol, Bristol, UK, 3School of Biological Sciences, University of Bristol, Bristol, UK, 4National Heart and Lung Institute, Imperial College London, UK, 5Centre for Statistics in Medicine, University of Oxford, Oxford, UK.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | ITEM | RECOMMENDATION | Section/ Paragraph |
|  | | | Title |
|  | | | Abstract |
| INTRODUCTION | | |  |
|  | | | 1. 1. Introduction/Paragraphs 1-4 2. 1. Introduction/Paragraph 4 |
|  | | | 1. Introduction/Paragraph 5 |
| METHODS | | |  |
|  | | | 2. Materials and Methods/2.1 Ethical statement |
|  | | | 1. 3. Results/3.1 Study profile, animal characteristics and experimental design 2. Materials and Methods/Table 1 3. 2. Materials and Methods/2.6 Statistical analysis |
|  | | | 1. 2. Materials and Methods/2.3 Complete Freund’s Adjuvant (CFA)-induced inflammation and 2.4 Burrowing and 3. Results/Table 3 2. 2. Materials and Methods/2.5 Study design 3. 2. Materials and Methods/2.4 Burrowing 4. 2. Materials and Methods/2.3 Complete Freund’s Adjuvant (CFA)-induced inflammation |
|  | | | 1. 2. Materials and Methods/2.2 Experimental Animals and environmental conditions; Results/Table 3 2. 3. Results/Figure2 and Table 3 |

The ARRIVE guidelines. Originally published in *PLoS Biology*, June 20101

|  |  |  |
| --- | --- | --- |
|  | 1. 2. Materials and Methods/2.2 Experimental Animals and environmental conditions and Table 1 2. 2. Materials and Methods/2.2 Experimental Animals and environmental conditions and Table 1 3. 2. Materials and Methods/2.2 Experimental Animals and environmental conditions | |
|  | 1. 3. Results/Figure 2 2. 2. Materials and Methods/2.6 statistical analysis and Table 1 3. 3. Results/Figure 2 | |
|  | 1. 2. Materials and Methods/Table 1 2. 2. Materials and Methods/2.2.2 Baseline performance and testing; 3. Results/Figure 3 | |
|  | 2. Materials and Methods/2.5 Study design | |
|  | 1. 2. Materials and Methods/2.6 Statistical analysis 2. 2. Materials and Methods/2.6 Statistical analysis 3. 2. Materials and Methods/2.6 Statistical analysis | |
| RESULTS |  | |
|  | 3. Results/ 3.1 Study profile, animal characteristics and experimental design and Table 3 | |
|  | 1. 3. Results/Figure 2, Figure 6 and Supplemental 3 2. / 3.1 Study profile, animal characteristics and experimental design and Figure 2 | |
|  | 3. Results/Figures 4,5; Tables 4,5,6; Supplemental 2,3,4,5 | |
|  | 1. N/A – no adverse events 2. N/A – no adverse events | |
| DISCUSSION |  | |
|  | 1. 4. Discussion 2. 4. Discussion 3. 4. Discussion | |
|  | 4. Discussion/Paragraph 6 | |
|  | | Acknowledgments |

