

The ARRIVE Guidelines Checklist

Animal Research: Reporting In Vivo Experiments

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| --- | --- | --- | --- |
|  | ITEM | RECOMMENDATION | Section/Paragraph |
|  | P1/ Title |
|  | P1/ Abstract |
| INTRODUCTION |  |
|  | **a**: P3/Introduction/ paragraph 2 & P4/Introduction/ paragraph 1,2**b:** P4/Introduction/ paragraph 2, line 103-105 |
|  | P4/Introduction/ paragraph 2, line 103-105 |
| METHODS |  |
|  | P4/ Materials and Methods/ line 112-114 |
|  | **a:** P5/ Materials and Methods/ paragraph 1/ line 115-121**b:** P5/ Materials and Methods/ line 118&P6/ Materials and Methods/ paragraph 1/ line 142-143 **c:** P4/ Materials and Methods/ line 110 |
|  | P5/ Materials and Methods/ paragraph 1, 2,3/ line 115-133 |
|  | **a**: P4/ Materials and Methods/ line 109-110**b:** NA |

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| --- | --- |
|  | a: P4/ Materials and Methods/ line 110**b**: P4/ Materials and Methods/ line 111& P5/ Materials and Methods/ paragraph 2/ line 123**c**: P4/ Materials and Methods/ line 111-114 |
|  | **a:** P5/ Materials and Methods/ paragraph 1/ line 115,119**b:** P5/ Materials and Methods/ paragraph 1/ line 121**c: NA** |
|  | a: P5/ Materials and Methods/ paragraph 1/ line 115-122**b: NA** |
|  | P5/ Materials and Methods/ line 134 & P6/ Materials and Methods/ line 137 |
|  | P6/ Statistical Analysis/ paragraph 2/ line 144 |
| RESULTS |  |
|  | NA |
|  | **a:** P6/ Results/ paragraph 1/ line 150 |
|  | Table 1& figure 1 & Figure 2 |
|  | NA |
| DISCUSSION |  |
|  | **a:** P7-9/Discussion**b:** P9/Discussion/ line 217**C**:NA |
|  | P9/Discussion/ paragraph 1 line 206-208 & P9/Discussion/ paragraph 3 line 212-216  |
|  | P11/ Funding/ line 246 |

