

**Supplementary Table 3. Number and Percentage of Studies Reporting for Each sub-item**

ARRIVE Section	ARRIVE <i>item</i>	sub-item #	# of Studies Reporting	% of Studies Reporting
Title	<i>title</i>	1.1	27	57%
		1.2	45	96%
		1.3	47	100%
<b>Title Summary</b>		<b>3</b>	<b>119</b>	<b>84%</b>
Abstract	<i>abstract</i>	2.1	45	96%
		2.2	43	91%
		2.3	44	94%
		2.4	45	96%
<b>Abstract Summary</b>		<b>4</b>	<b>177</b>	<b>94%</b>
Introduction	<i>objectives</i>	4.1	47	100%
<b>Introduction Summary</b>		<b>1</b>	<b>47</b>	<b>100%</b>
Methods	<i>ethical statement</i>	5.1	39	83%
		5.2	37	79%
		5.3	24	51%
		5.4	1	2%
	<i>study design</i>	6.1	15	32%
		6.2	38	81%
		6.3	33	70%
		6.4	4	9%
		6.5	2	4%
		6.6	27	57%
		6.7	11	23%
	<i>experimental procedures</i>	7.1 Model	47	100%

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7.2 Model	25	53%
7.3 Model	25	53%
7.4 Model	40	85%
7.5 Model	47	100%
7.6 Model	43	91%
7.7 Model	35	74%
7.8 Model	0	0%
7.9 Model	0	0%
7.10 Model	33	70%
7.11 Model	24	51%
7.12 Model	29	62%
7.13 Model	23	49%
7.14 Model	0	0%
7.1 MSC	45	96%
7.2 MSC	19	40%
7.3 MSC	43	91%
7.4 MSC	45	96%
7.5 MSC	31	66%
7.6 MSC	33	70%
7.7 MSC	46	98%
7.8 MSC	46	98%
7.9 MSC	42	89%
7.10 MSC	47	100%
7.11 MSC	44	94%
7.12 MSC	0	0%

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7.13 MSC	4	9%	
7.1 Control	45	96%	
7.2 Control	32	68%	
7.3 Control	45	96%	
7.4 Control	40	85%	
7.5 Control	44	94%	
7.6 Control	40	85%	
7.7 Control	0	0%	
7.1 Euthanasia	38	81%	
7.2 Euthanasia	16	34%	
7.3 Euthanasia	12	26%	
<b><i>experimental animals</i></b>	8.1	47	100%
	8.2	45	96%
	8.3	37	79%
	8.4	2	4%
	8.5	21	45%
	8.6	3	6%
	8.7	25	53%
	8.8	35	74%
	8.9	6	13%
<b><i>housing and husbandry</i></b>	9.1	7	15%
	9.2	2	4%
	9.3	0	0%
	9.4	1	2%
	9.5	7	15%

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	9.6	5	11%
	9.7	2	4%
	9.8	5	11%
	9.9	12	26%
	9.10	12	26%
	9.11	0	0%
	9.12	0	0%
<b><i>sample size</i></b>	10.1	11	23%
	10.2	25	53%
	10.3	1	2%
	10.4	1	2%
	10.5	8	17%
	10.6	27	57%
<b><i>allocating animals to</i></b>	11.1	22	47%
<b><i>experimental groups</i></b>	11.2	0	0%
	11.3	0	0%
	11.4	0	0%
	11.5	0	0%
<b><i>experimental outcomes</i></b>	12.1	0	0%
	12.2	0	0%
	12.3	31	66%
<b><i>statistical methods</i></b>	13.1	21	45%
	13.2	0	0%
	13.3	3	6%
	13.4	38	81%

<b>Methods Summary</b>		<b>87</b>	<b>1821</b>	<b>45%</b>	
<b>Results</b>	<i>baseline data</i>	14.1	5	11%	
		14.2	1	2%	
		14.3	0	0%	
		14.4	0	0%	
	<i>numbers analyzed</i>	15.1	32	68%	
		15.2	28	60%	
		15.3	2	4%	
	<i>outcomes and estimation</i>	16.1	45	96%	
		16.2	22	47%	
	<i>adverse events</i>	17.1	0	0%	
	<b>Results Summary</b>		<b>10</b>	<b>135</b>	<b>29%</b>
	<b>Discussion</b>	<i>funding</i>	20.1	39	83%
			20.2	33	70%
20.3			1	2%	
20.4			27	57%	
<b>Discussion Summary</b>		<b>4</b>	<b>100</b>	<b>53%</b>	