Recovering sperm from dead animals

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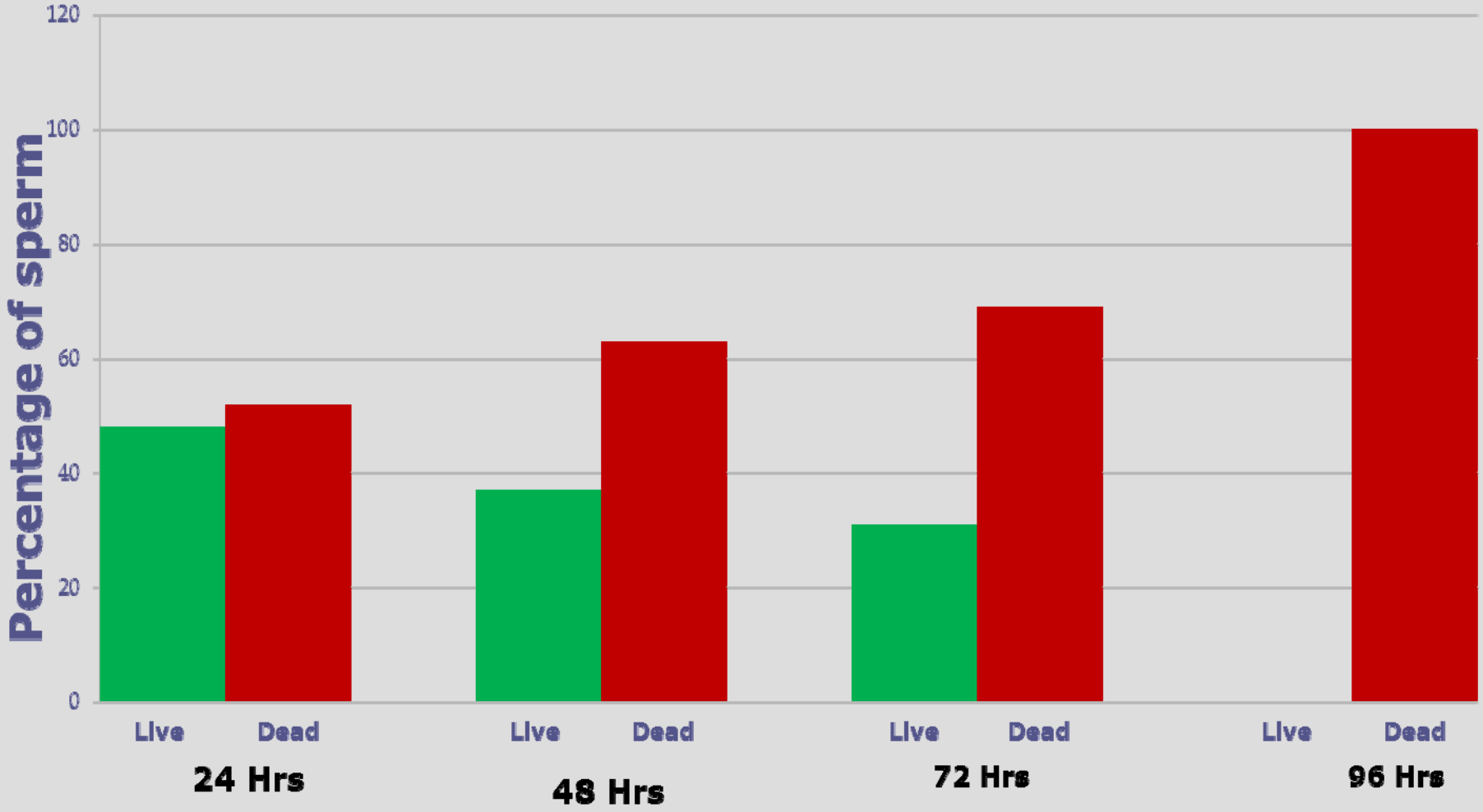
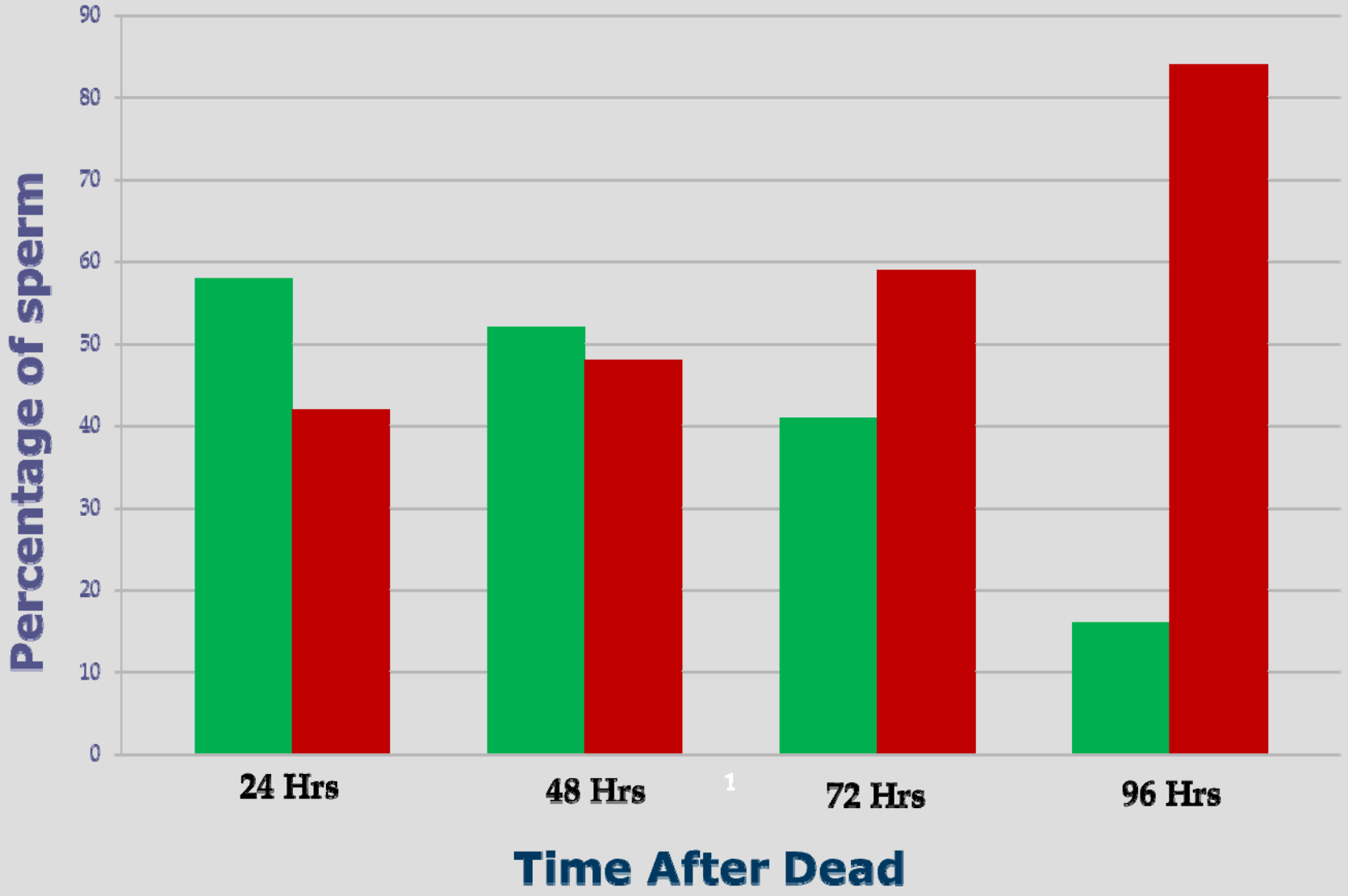
Room Temperature



Refrigerated Carcasses



Transgenic Res (2010) 19:587–594
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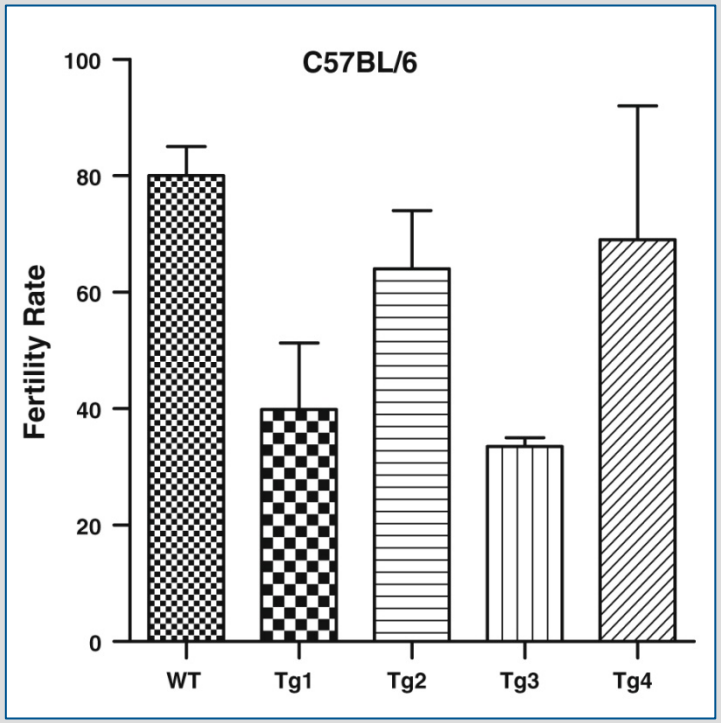
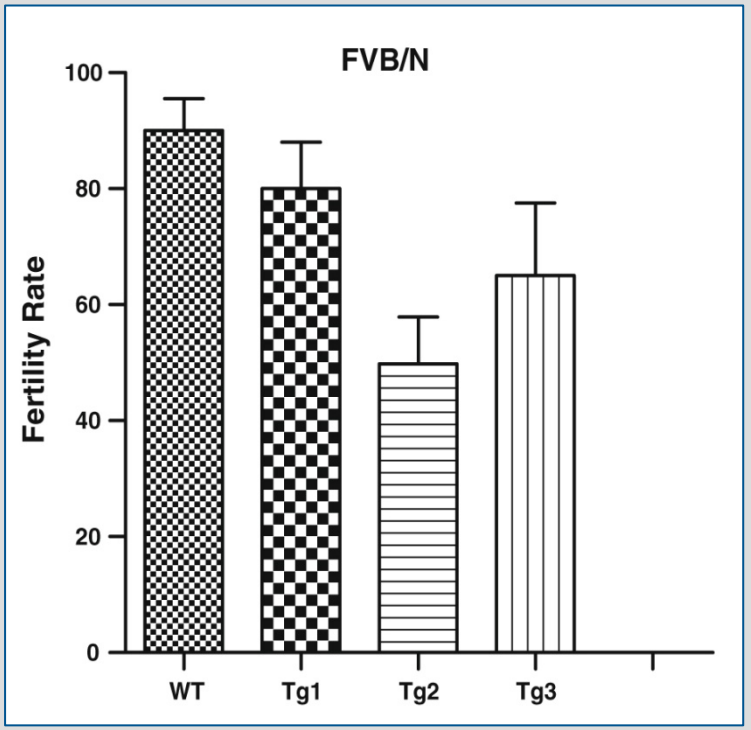
ORIGINAL PAPER

Fertility comparison between wild type and transgenic mice by in vitro fertilization

Kuzhalini Vasudevan · James Raber · Jorge Sztein

Fertility rate is affected (normally reduced) in transgenic/KO mice as compared to that of the corresponding wild-type mouse strain





Fertility rate affected in C57BL/6 and FVB/N transgenic/KO mice as compared to that of the corresponding wild-type mouse strain

Vasudevan et al. 2010

Table 2 Summary of in vitro fertilization (IVF) results of the WT and the transgenic mice of C57BL/6 strain

Strain	Total # of females	Total # of oocytes	Average # of oocytes per female	Total # of 2 cells	IVF % (mean ± SEM)
WT	15	474	32	378	80 ± 5[a]
KO1	27	344	13	88	40 ± 11[a]
KO2	15	353	24	229	64 ± 10[a]
KO3	22	710	32	235	33 ± 1[a]
Tg1	24	594	25	324	69 ± 23[a]

Vasudevan et al. 2010

Observed differences already established at the level of the response to the superovulation !!!

Table ...VF) results of the WT and the transgenic mice of FVB/N strain

Strain	...# of ...s	Average # of oocytes per female	Total # of 2 cells	IVF % (mean ± S.E.M)
WT	...	12	164	90 ± 5[a]
Tg1	15	20	249	80 ± 8[a]
Tg2	54	16	444	50 ± 8[b]
Tg4	42	19	526	65 ± 12[a]