

**SLOW FREEZING VERSUS VITRIFICATION OF MOUSE OVARIES: FROM
EX VIVO ANALYSES TO SUCCESSFUL PREGNANCIES AFTER AUTO-
TRANSPLANTATION**

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Table S1: Experimental distribution of ex vivo analysed ovaries

Analysis	CT	CT cult	SF	SF cult	VT	VT cult
IHC	16	10	5	5	4	5
RTqPCR	22	10	9	9	9	9
WB	16	10	7	5	6	6
Total	54	30	21	19	19	20

Table S2: p-values associated to individual differences between the experimental groups corrected for multiple testing (Bonferroni's correction)

Comparisons	Pregnant mice	Number of pregnancies
	p-values	p-values
CT versus SF	ns	ns
vs VTo	ns	0.4632
vs VTc	0.0008 (***)	0.0044 (*)
SF versus VTo	ns	0.1472
vs VTc	0.0008 (***)	0.0132 (*)
VTo versus VTc	0.0156 (*)	NA

NA : not applicable ; ns : non significant

Figure S1: Representative western blot for (a) caspase-3, (b) LC3 and (c) BMP15 proteins. CT: control/fresh ovaries; SF: slow frozen/thawed ovaries, VTo: open vitrified/warmed ovaries, cult: *ex vivo* culture during 4 hours.

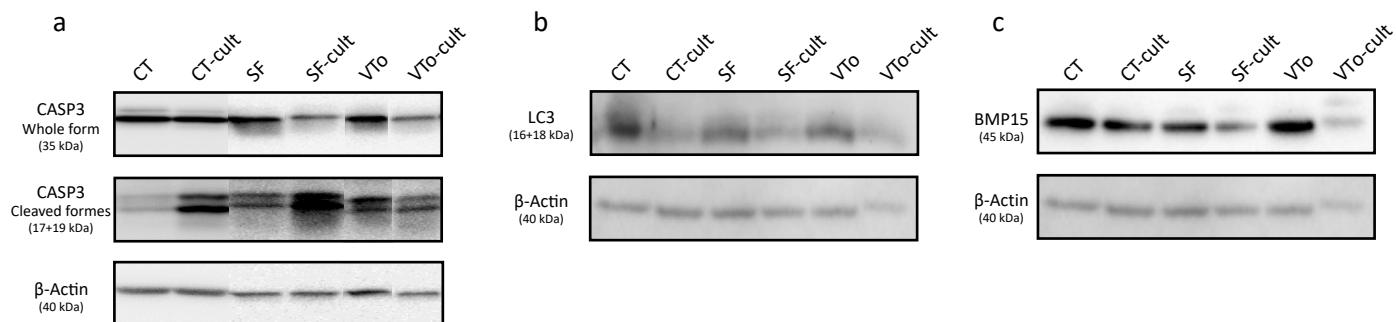


Figure S2: Experimental design and time line for the mice model of induced ovarian failure.

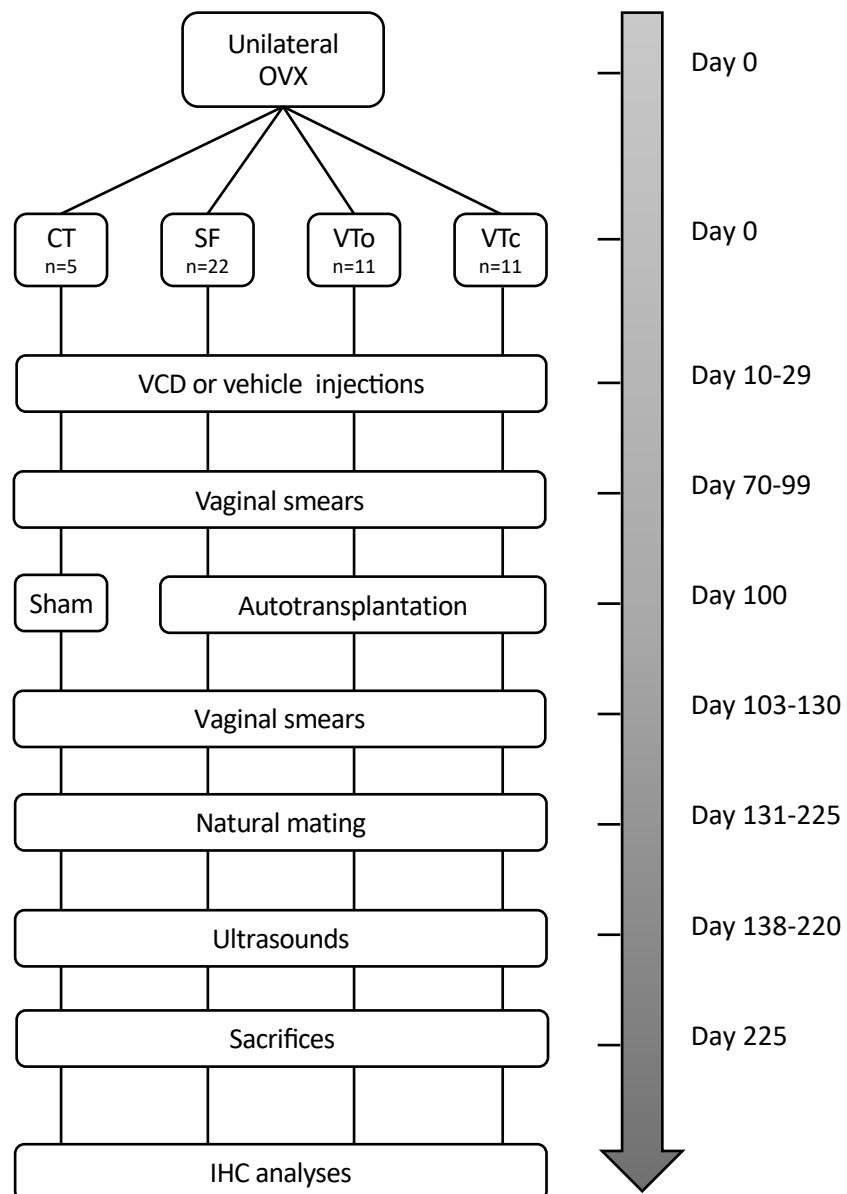


Figure S3: Follow-up of the induction of menopause by daily vaginal smears from 8 to 11 weeks after the first injection of VCD in unilaterally ovariectomized mice. n=44 mice

