

Supplementary Material

Sodium fluoride exposure exerts toxic effects on porcine oocyte maturation

Shuang Liang ^{1, 2, #}, Zheng-Wen Nie ^{1, #}, Minghui Zhao ^{1, #}, Ying-Jie Niu ¹, Kyung-Tae Shin ¹,
and Xiang-Shun Cui ^{1, *}

¹ Department of Animal Science, Chungbuk National University, Cheongju, Chungbuk, 361-763, Republic of Korea.

² Department of Laboratory Animal Center, College of Animal Sciences, Jilin University, Changchun, 130062, China.

[#] Shuang Liang, Zheng-Wen Nie and Minghui Zhao contributed equally to this work.

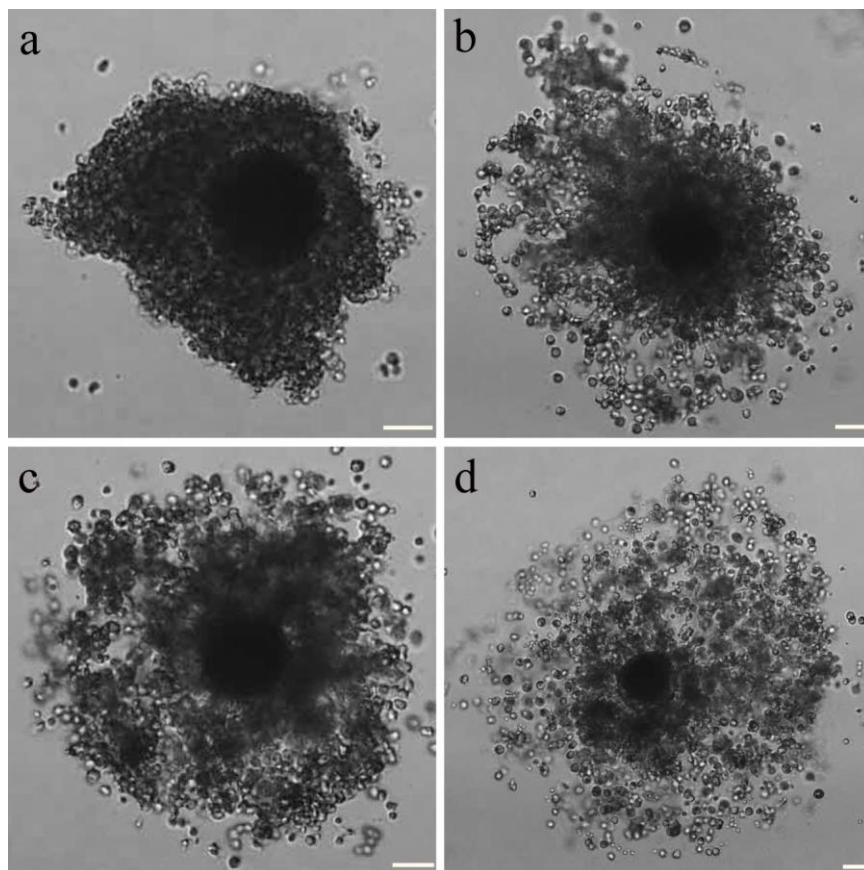
^{*} Corresponding Author. Xiang-Shun Cui (e-mail: xscui@cbnu.ac.kr.)

Figure s1. Cumulus cell expansion grade of porcine oocytes was evaluated at 44 h. Representative images of porcine COCs showing four grades of cumulus cell expansion: (a) Grade 1, no expansion; (b) Grade 2, expansion only in the outer cumulus cell layers; (c) Grade 3, expansion of all cumulus cell layers, except the corona radiata; (d) Grade 4, expansion of all cumulus cell layers, including the corona radiata. Scale bar = 50 μ m.

Supplementary video s1 and s2. Time-lapse video of control (video s1) and NaF-treated oocytes (video s2) microinjected with H2B-mCherry cRNA. The control oocyte microinjected with H2B-mCherry cRNA reached the MII stage at the end of culture period (40 h), whereas the NaF-treated oocyte microinjected with H2B-mCherry cRNA did not reach the MII stage at the end of the culture period. Red, H2B-mCherry.

26 Fig. s1

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28 Table s1 Primer sequences used in real-time RT-PCR

Gene	Primer sequence (5'-3')	Product size (bp)	Genbank number
<i>BCL2</i>	F:GGCTGCGGGAACATAATAGA R:GCAGCTCTGGGTCAAAC TTC	193	NM_214285
<i>BAX</i>	F:AGGGCGATGAACCACAGT R:GCTCCAGCGAACGACAAT	111	XM_005664710.2
<i>CASP3</i>	F:GGTACCACTATGGGCTCCTCAC R:TCGGCCCTTACCGCTTCT	110	NM_214131.1
<i>GAPDH</i>	F: TTCCACGGCACAGTCAAG R: ATACTCAGCACCAGCATCG	117	NM_001206359

29 F, forward; R, reverse.