

Supplementary Table 2: Histopathology of Tissue from Long-Evans Hooded Male Rats Exposed to Fluoride in Drinking Water

Tissue	G1	G2	G3	G4
	n = 12	n=10	n = 8	n = 13
Testis (No. Examined)	12	10	8	13
Degeneration, tubular	0	1	3	2
<i>Minimal</i>	-	1	2	0
<i>Mild</i>	-	0	1	1
<i>Moderate</i>	-	0	0	0
<i>Marked</i>	-	0	0	1
Necrosis, germ cell Minimal	7	8	0	4
Multinucleated giant cells, Minimal	0	0	0	1
Exfoliation, Minimal	1	2	0	0
Enlarged residual bodies, Minimal	1	2	0	1
Epididymides (No. Examined)	12	10	8	13
Cell Debris	0	0	1	1
<i>Minimal</i>	-	-	1	-
<i>Mild</i>	-	-	0	1
Hypospermia, Marked	0	0	0	1 ^a
Cribriform Change, Moderate	0	0	0	1 ^a
Seminal Vesicles (No. Examined)	12	10	8	13
Depletion	4	1	2	4
<i>Minimal</i>	-	-	1	-
<i>Mild</i>	1	1	1	2
<i>Moderate</i>	3	0	0	2
Prostate (No. Examined)	11	6	8	13
Inflammation, chronic	0	2	0	7
<i>Mild</i>	-	1	-	3
<i>Moderate</i>	-	1	-	4
Heart (No. Examined)	12	10	8	13
Dilatation, ventricles	0	0	0	1
Kidney (No. Examined)	12	10	8	13
chronic progressive nephropathy	9 (1.1) ³	6 (1.2)	8 (1.6)	11 (1.1)
hyaline droplet accumulation	2 (1.0)	2 (1.5)	2 (1.0)	5 (1.4)
pelvis, dilation	6 (2.3)	3 (1.0)	2 (2.5)	4 (2)
mineralization	5 (1.0)	2 (2.0)	5 (1.0)	8 (1.0)

interstitium, infiltration cellular, lymphocyte	1 (1.0)	0	0	0
Chronic inflammation	0	0	1 (4.0)	0
Liver (No. Examined)	12	10	8	13
chronic active inflammation	12 (1.2)	10 (1.3)	8 (1.25)	13 (1.2)
chronic inflammation	1 (1.0)	1 (1.0)	0	0
fatty change	3 (1.0)	6 (1.3)	5 (1.2)	5 (1.4)
basophilic focus	1	0	0	0
capsule, chronic inflammation	1 (1.0)	0	0	0
clear cell focus	1	0	0	0
necrosis, focal	0	0	0	1 (1.0)

^a = the cribriform change and hyospermia were in same epididymis as that with mild cell debris

Data represents incidence (severity). G1 - standard chow/RO-H₂O drinking water, G2 - low-F⁻ chow/RO-H₂O, G3 - low-F⁻ chow/10ppm F⁻; G4 - low-F⁻ chow/20ppm F⁻ drinking water.