

Supplementary Files

Supplementary File 1: Effect of fisetin on SCI induced alteration in testis, seminal vesicle, prostate gland, urinary bladder, epididymis, kidney weight, and sperm count

Treatment	Normal	Sham	SCI Control	Methylprednisolone (30)	Fisetin (10)	Fisetin (20)	Fisetin (40)
Testis weight (g)	2.48 ± 0.11	2.40 ± 0.1.00	1.11 ± 0.11 ^{#,&}	2.02 ± 0.07 ^{*,\$}	1.37 ± 0.08	1.56 ± 0.12 ^{*,\$}	1.90 ± 0.04 ^{*,\$}
Seminal vesicle weight (g)	2.40 ± 0.06	2.11 ± 0.09	1.19 ± 0.06 ^{#,&}	2.15 ± 0.09 ^{*,\$}	1.27 ± 0.09	1.57 ± 0.10 ^{*,\$}	1.97 ± 0.06 ^{*,\$}
Prostate gland weight (g)	0.51 ± 0.01	0.46 ± 0.01	0.26 ± 0.02 ^{#,&}	0.42 ± 0.01 ^{*,\$}	0.29 ± 0.01	0.36 ± 0.01 ^{*,\$}	0.42 ± 0.02 ^{*,\$}
Urinary bladder weight (g)	0.40 ± 0.01	0.46 ± 0.01	1.20 ± 0.02 ^{#,&}	0.62 ± 0.02 ^{*,\$}	1.10 ± 0.02	0.90 ± 0.02 ^{*,\$}	0.72 ± 0.02 ^{*,\$}
Epididymis weight (g)	2.60 ± 0.07	2.44 ± 0.03	1.26 ± 0.06 ^{#,&}	2.18 ± 0.06 ^{*,\$}	1.41 ± 0.05	1.98 ± 0.07 ^{*,\$}	2.26 ± 0.07 ^{*,\$}
Kidney weight (g)	131.20 ± 2.57	123.00 ± 3.67	106.20 ± 3.16 ^{#,&}	118.20 ± 4.29 ^{*,\$}	108.30 ± 3.21	114.70 ± 5.45 ^{*,\$}	121.80 ± 4.09 ^{*,\$}
Sperm count (million/ml)	53.00 ± 2.00	49.67 ± 2.63	29.00 ± 2.05 ^{#,&}	43.50 ± 1.93 ^{*,\$}	29.83 ± 3.09	36.33 ± 1.28 ^{*,\$}	47.67 ± 2.73 ^{*,\$}

Data are expressed as mean ± S.E.M (n=6) and one way ANOVA followed by Tukey's multiple range test. **p* < 0.05 as compared with the SCI control group, #*p* < 0.05 as compared with sham group, &*p* < 0.05 as compared with normal and \$*p* < 0.05 as compared with one another.

Graphical abstract: Fisetin exert its neuroprotective effect via modulation of NF-κB/IκBα pathway in spinal cord Injury