

## Protective effect of *Vitex negundo* L. in diclofenac induced nephrotoxicity

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Received 16 April 2025; revised 16 June 2025

### Supplementary data

#### Statistical analysis

Statistical Analysis is performed using Graph-pad prism software. ANOVA test is carried out followed by post hoc analysis for pair wise comparison. P-Value less than 0.05 considered as significant difference while P-Value greater than 0.05 considered no significant difference.

#### 1. Urine output

Table 1 — Urine output Between Group Comparison Using ANOVA Test

	Day 0 vs Day 7	Day 0- Day 14	Day 0-Day 21	Day 7- Day 21	Day 7 - Day 14	Day 14 - Day 21
F	14.675	52.649	33.288	19.943	6.295	6.914
P value	0.000	0.000	0.000	0.000	0.010	0.007
P value summary	***	***	***	***	***	***
Significant diff. among means (P < 0.05)?	Yes	Yes	Yes	Yes	Yes	Yes

Table 2 — Pairwise comparison of urine output between groups.

Pair Wise Summary	Day 0 vs Day 7	Day 0- Day 14	Day 0-Day 21	Day 7- Day 21	Day 7 - Day 14	Day 14 - Day 21
A vs B	0.001	0.000	0.000	0.155	0.041	0.998
A vs C	0.009	0.000	0.136	0.006	0.737	0.025
B vs C	0.995	0.011	0.001	0.000	0.031	0.020

#### 2. Urine Specific Gravity

Table 3 — Urine Specific Gravity Between Group Comparison Using ANOVA Test

	Day 0 vs Day 7	Day 0- Day 14	Day 0-Day 21	Day 7- Day 21	Day 7 - Day 14	Day 14 - Day 21
F	9.639	5.704	1.703	64.122	7.468	16.184
P value	0.002	0.014	0.216	0.000	0.006	0.000
P value summary	***	***	ns	***	***	***
Significant diff. among means (P < 0.05)?	Yes	Yes	No	Yes	Yes	Yes

Table 4 — Pairwise comparison of urine specific gravity.

Pair Wise Summary	Day 0 vs Day 7	Day 0- Day 14	Day 0-Day 21	Day 7- Day 21	Day 7 - Day 14	Day 14 - Day 21
A vs B	0.294	0.187	0.413	0.373	1.000	0.422
A vs C	0.000	0.000	0.030	0.000	0.007	0.000
B vs C	0.278	0.945	0.840	0.000	0.041	0.014

## 3. Sr. Urea

Table 4 — Sr Urea Between Group Comparison Using ANOVA Test

	Day 0 vs Day 7	Day 0- Day 14	Day 0-Day 21	Day 7- Day 21	Day 7 - Day 14	Day 14 - Day 21
F	55.506	49.326	108.739	97.076	26.533	22.942
P value	0.000	0.000	0.000	0.000	0.000	0.000
P value summary	***	***	***	***	***	***
Significant diff. among means (P < 0.05)?	Yes	Yes	Yes	Yes	Yes	Yes

Table 5 — Pairwise comparison of Sr. Urea

Pair Wise Summary	Day 0 vs Day 7	Day 0- Day 14	Day 0-Day 21	Day 7- Day 21	Day 7 - Day 14	Day 14 - Day 21
A vs B	0.000	0.001	0.000	0.440	0.935	0.804
A vs C	0.000	0.000	0.265	0.000	0.002	0.000
B vs C	0.954	0.006	0.000	0.000	0.000	0.002

## 4. Creatinine

Table 6 — Sr.Creatinine Between Group Comparison Using ANOVA Test

	Day 0 vs Day 7	Day 0- Day 14	Day 0-Day 21	Day 7- Day 21	Day 7 - Day 14	Day 14 - Day 21
F	12.597	50.012	29.850	10.721	8.140	0.937
P value	0.001	0.000	0.000	0.001	0.004	0.413
P value summary	***	***	***	***	***	ns
Significant diff. among means (P < 0.05)?	Yes	Yes	Yes	Yes	Yes	No

Table 7 — Pairwise comparison of serum creatinine.

Pair Wise Summary	Day 0 vs Day 7	Day 0- Day 14	Day 0-Day 21	Day 7- Day 21	Day 7 - Day 14	Day 14 - Day 21
A vs B	0.000	0.000	0.000	0.133	0.428	0.559
A vs C	0.022	0.031	0.044	0.098	0.103	0.938
B vs C	0.900	0.000	0.005	0.004	0.045	0.756

## 5. Sodium

Table 8 — Sr.Sodium Between Group Comparison Using ANOVA Test

	Day 0 vs Day 7	Day 0- Day 14	Day 0-Day 21	Day 7- Day 21	Day 7 - Day 14	Day 14 - Day 21
F	41.853	47.218	38.066	86.156	40.305	17.820
P value	0.000	0.000	0.000	0.000	0.000	0.000
P value summary	***	***	***	***	***	***
Significant diff. among means (P < 0.05)?	Yes	Yes	Yes	Yes	Yes	Yes

Table 9 — Pairwise comparison of serum sodium.

Pair Wise Summary	Day 0 vs Day 7	Day 0- Day 14	Day 0-Day 21	Day 7- Day 21	Day 7 - Day 14	Day 14 - Day 21
A vs B	0.001	0.000	0.000	0.088	0.074	0.500
A vs C	0.000	0.005	0.895	0.000	0.001	0.003
B vs C	0.127	0.001	0.001	0.000	0.000	0.002

## 6. Potassium

Table 10 — Sr.Potassium Between Group Comparison Using ANOVA Test

	Day 0 vs Day 7	Day 0- Day 14	Day 0-Day 21	Day 7- Day 21	Day 7 - Day 14	Day 14 - Day 21
F	15.817	13.723	16.400	5.324	1.035	4.319
P value	0.000	0.000	0.000	0.018	0.379	0.033
P value summary	***	***	***	***	ns	***
Significant diff. among means (P < 0.05)?	Yes	Yes	Yes	Yes	No	Yes

Table 11 — Pairwise comparison of serum potassium

Pair Wise Summary	Day 0 vs Day 7	Day 0- Day 14	Day 0-Day 21	Day 7- Day 21	Day 7 - Day 14	Day 14 - Day 21
A vs B	0.001	0.001	0.002	0.647	0.709	0.454
A vs C	0.005	0.008	0.061	0.156	0.670	0.318
B vs C	0.792	0.793	0.033	0.077	0.788	0.072

## 7. Chloride

Table 12 — Sr.Chloride Between Group Comparison Using ANOVA Test

	Day 0 vs Day 7	Day 0- Day 14	Day 0-Day 21	Day 7- Day 21	Day 7 - Day 14	Day 14 - Day 21
F	80.814	78.032	45.905	57.652	13.962	69.330
P value	0.000	0.000	0.000	0.000	0.000	0.000
P value summary	***	***	***	***	***	***
Significant diff. among means (P < 0.05)?	Yes	Yes	Yes	Yes	Yes	Yes

Table 13 — Pairwise comparison of serum Chloride

Pair Wise Summary	Day 0 vs Day 7	Day 0- Day 14	Day 0-Day 21	Day 7- Day 21	Day 7 - Day 14	Day 14 - Day 21
A vs B	0.000	0.000	0.000	0.002	0.068	0.006
A vs C	0.000	0.002	0.956	0.000	0.014	0.000
B vs C	0.853	0.006	0.000	0.002	0.052	0.003

## 8. MDA

Table 14 — MDA -Between Group Comparison Using ANOVA Test

ANOVA summary	
F	48.410
P value	0.000
P value summary	***
Significant diff. among means (P < 0.05)?	Yes

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 Table 15 — Pairwise comparison of MDA levels.

Pair Wise Summary	P-Value
A vs B	0.003
A vs C	0.044
B vs C	0.001

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## 9. SOD

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 Table 16 — SOD -Between Group Comparison  
Using ANOVA Test

ANOVA summary	
F	26.716
P value	0.000
P value summary	***
Significant diff. among means ( $P < 0.05$ )?	Yes

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 Table 17 —Pairwise comparison of SOD levels

Pair Wise Summary	P-Value
A vs B	0.001
A vs C	0.035
B vs C	0.001

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