

Table (1): Clinical characteristics of study participants.

Descriptive data of envenomed children	
Age(years),(mean ± SD)	6.364 ± 3.7171
Sex	
Female, n (%)	20(40.0)
Male, n (%)	30(60.0)
Residency	
Rural, n (%)	50(100.0)
Definite history of scorpion sting, n (%)	
yes	50(100.0)
Time of the sting, n (%)	
Day	31(62.0)
Night	19(38.0)
Color of the scorpion, n (%)	
black	43(86.0)
yellow	7(14.0)
Timing between sting and admission(hours) (mean ± SD)	.883± .6134
Number of scorpion antivenom (mean ± SD)	6.56±4.824
Site of the sting, n (%)	
Back	1(2.0)
Head	1(2.0)
lower extremity	31(62.0)
Neck	3(6.0)
upper extremity	14(28.0)
Duration of hospitalization(days) (mean ± SD)	1.720±.9802

Table (2): Clinical manifestations of scorpion envenomation.

Clinical manifestations of scorpion envenomed children	n (%)
Clinical Severity of envenomation	
Mild	26(52.0)
Severe	24(48.00)
Encephalopathy (disturbed conscious level)	21(42.0)
Seizure	3(6.0)
Agitation	21(42.0)
Tachycardia	38(76.0)
Tachypnea	20(40.0)
Pupil (miosis, mydriasis, anisocoria) (mydriasis)	1(2.0)
Pulmonary edema	9(18.0)
Myocarditis	15(30.0)
Bronchospasm	4(8.0)
Abdominal distension	6(12.0)
Vomiting	34(68.0)
Cold extremities	34(68.0)
Salivation	13(26.0)
Lacrimation	26(52.0)
Parathesia	5(10.0)
Itching	14(28.0)

Table (3): Comparison between investigation results in patients with mild to moderate envenomation and those with severe envenomation.

Parameter		Mild-moderate grade (26)	Severe grade (24)	P value
Blood glucose level		128.77±27.26	177.04±54.99	<0.001
Serum troponin	Median	0.01 (0.001-0.03)	0.5(0.01-5)	<0.001
	Abnormal	0	22(91.7%)	<0.001
Creatine kinase	Median	22(15-27)	55(26-270)	<0.001
	Abnormal	5(19.2%)	24(100%)	<0.001
Lactate dehydrogenase	Median	546(97-760)	802 (593-1344)	<0.001
	Abnormal	4(15.4%)	23(95.8%)	<0.001
Myoglobin	Median	38(19-70)	79.5(26-105)	<0.001
	Abnormal	0	22(91.7%)	<0.001
X ray	Normal	26(100%)	16(66.7%)	0.001
	Pulmonary edema	0	8(33.3%)	
ECG	Low amp. QRS	0	10(41.7%)	<0.001
	ST segment change	0	10(41.7%)	<0.001
	Ventricular ectopics	0	8(33.3%)	0.001
	Sinus tachycard.	0	19(79.2%)	<0.001
	Ventricular tachycard.	0	2(8.3%)	0.435
ECHO	LVEF	71.73±2.31	65.83±7.23	0.001
	SF%	31.50±2.35	25.5±3.48	<0.001