

Tab: 1 MEAN SERUM LEVELS OF BIOMARKERS

S.no	Gender	No.of patients	Mean Cystatin C	Mean b2 microglobulin	Mean NGAL	Mean KIM1
1	Female	57	1.1704	9.8800	140.20	2.976
2	Male	32	0.9513	8.6588	120.95	2.375

Tab:2. e GFR IN RELATION WITH BIOMARKERS

s.no	e GFR	No.pts	KIM1 (mean)	NGAL (mean)	Cystatin c (mean)	B2microglobulin (mean)
1	>90	48	2.85	135.7	1.13	8.81
2	60-90	33	2.7	133.5	1.08	9.48
3	30-59	8	2.43	117.6	0.89	9.21

Tab.3. URINARY PROTEIN LEVELS WITH BIOMARKERS

S.No	Urinary protein	No.pts	Cystatinc	NGAL	KIM1	B2MG
1	>100	11	1.03	118.66	2.71	7.57
2	30-100	34	1.18	144.77	2.92	9.17
3	<30	44	1.04	128.19	2.65	9.46

Tab.4. CUT OFF VALUES OF BIOMARKERS

s.no	Biomarker	Optimal cutoff point	Sensitivity	Specificity	PPV	NPV
1	NGAL	96.73	85.7%	34%	40.7%	81.8%
2	CystatinC	0.83	89.3%	30.2%	40.3%	84.2%
3	KIM 1	2.08	89.3%	24.5%	38.5%	81.3%
4	B2MG	16.5	21.4%	96.2%	75%	69.9%

Tab 5: ROC STATISTICS

Marker	AUC	S E.AUC	LowerLimi t	UpperLimi t	Z	p-Value
NGAL.1	0.52796	0.06591	0.39877	0.65716	0.42426	0.67138
CystatinC.1	0.51381	0.06473	0.38695	0.64068	0.21342	0.831
B2.Microglobulin. 1	0.5027	0.07394	0.35778	0.64761	0.03646	0.97092
KIM.1	0.51247	0.06643	0.38227	0.64266	0.18767	0.85113

Tab.6. MULTIPLE COMPARISONS OF BIOMARKERS

Marker1 (I)	Marker2 (J)	AUC(I)	AUC(J)	I - J	SE(I - J)	z	p- Value	p-Value (adj.)
NGAL.1	CystatinC.1	0.528	0.5138	0.0142	0.0924	0.1532	0.8783	1
NGAL.1	B2.Microglobulin.1	0.528	0.5027	0.0253	0.0991	0.2551	0.7986	1
NGAL.1	KIM.1	0.528	0.5125	0.0155	0.0936	0.1656	0.8685	1
CystatinC.1	B2.Microglobulin.1	0.5138	0.5027	0.0111	0.0983	0.1131	0.9099	1
CystatinC.1	KIM.1	0.5138	0.5125	0.0013	0.0927	0.0145	0.9884	1
B2.Microglobulin.1	KIM.1	0.5027	0.5125	0.0098	0.0994	0.0983	0.9217	1

Fig: Sensitivity and specificity curve



