

// ()
// , ,

*

(Urinary Tract Infection) UTI :

(Macrophage Migration Inhibitory Factor) MIF

MIF

MIF

) :

midstream

(

ELISA

MIF

One Way ANOVA Independent-t test

SPSS 13

(Receiver Operating Curve) ROC

(SEM = /) pg/ μ mol creatinine (A) MIF/Cr :

(C) / (SEM = /) pg/ μ mol creatinine (B) /

(P < /) B A / (SEM = /) pg/ μ mol creatinine

MIF/Cr ROC . (P < /) C

[Area Under Curve(AUC)= / P < /]

/ pg/ μ mol creatinine (AUC= / P < /)

/ pg/ μ mol creatinine

MIF :

MIF/Cr

MIF/Cr

MIF/Cr

:

(Urinary Tract Infection)

UTI

. ()

(Convenience)

()

MIF

°C

midstream

MIF

(Macrophage Migration Inhibitory Factor)

T

×g

ELISA

MIF

MIF

(PMN)

. ()

ESR

DMSA

MIF

)

()

(

MIF

SPSS.13

MIF

/

%

SEM (SD)

(Standard Error of Mean)

MIF

Mann-Whitney U-test

Independent-t test

(A)

(C) (B)

B A

(SEM = /) / (SEM = /) C AUC

(SEM = /) / (Area Under Curve)

ANCOVA

MIF/Cr		Cr MIF		-	
MIF/Cr	Cr	MIF	()	()	
(pg/ μ mol)	(mg/dl)	(pg)	()	()	
/	/	/	/	(%) :	A
(SEM= /)	(SEM= /)	(SEM= /)	(SEM= /)	(%) :	
/	/	/	/	(%) :	B
(SEM= /)	(SEM= /)	(SEM= /)	(SEM= /)	(%) :	
/	/	/		(% /) :	C
(SEM= /)	(SEM= /)	(SEM= /)	(SEM= /)	(% /) :	

MIF

MIF/Cr

B A

pg/ μ mol creatinine :

MIF/Cr / (SEM = /)

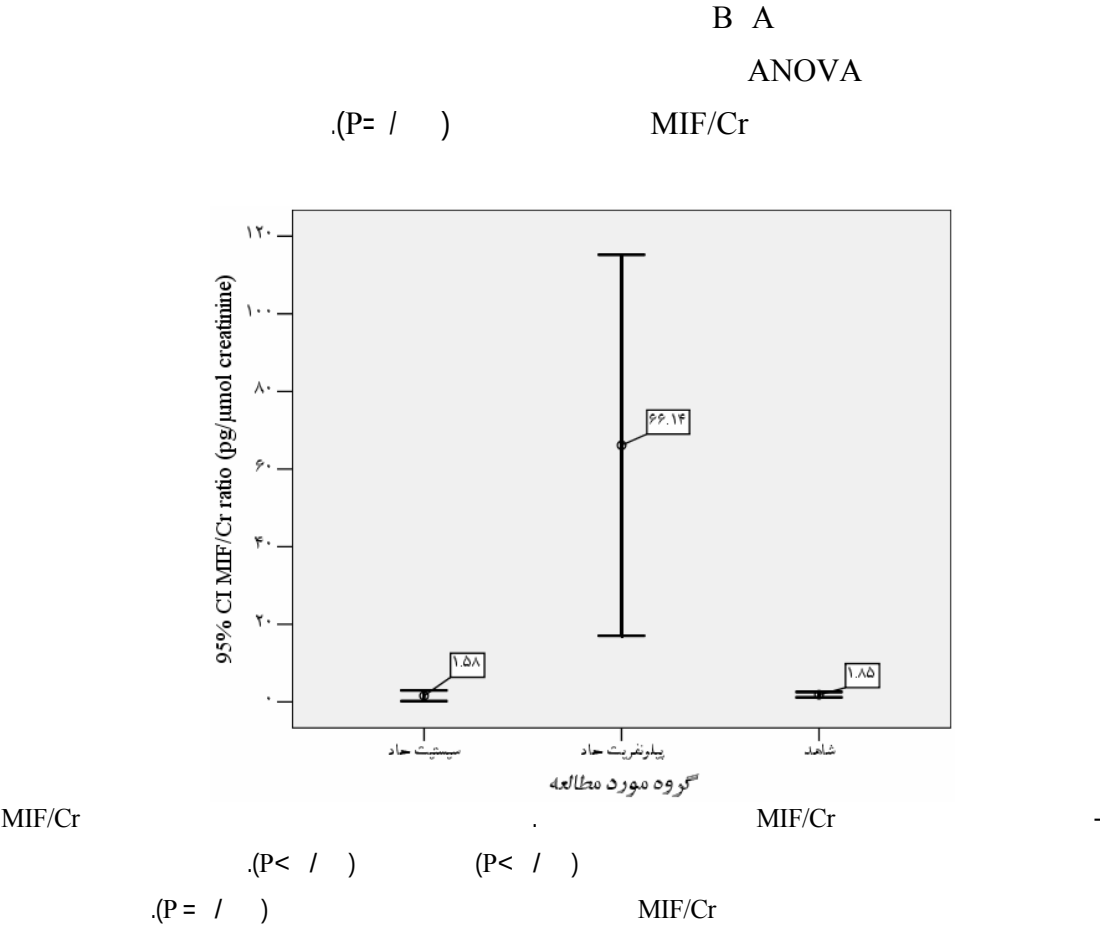
ESR () / (SEM = /) pg/ μ mol creatinine (A)

(P < /) MIF (P= /) pg/ μ mol (B)

(P= /) PMN .C / (SEM = /) creatinine

B A MIF/Cr

(p < /) C (p < /)



B A			
P-value	B	A	
< / *	/ (SEM= /)	/ (SEM= /)	(pg) MIF
/ *	/ (SEM= /)	/ (SEM= /)	(mg/dl) Cr
< / *	/ (SEM= /)	/ (SEM= /)	(pg/μmol) MIF/Cr
/	/ (SEM= /)	/ (SEM= /)	
/	/ (SEM= /)	/ (SEM= /)	()
/	/ (SEM= /)	/ (SEM= /)	(/μl) WBC
/	/ (SEM=)	/ (SEM= /)	(/μl) PMN
/ *	/ (SEM= /)	/ (SEM= /)	(mm/h) ESR
		(P< /)	*

%, / %
/ pg/ μ mol creatinine
% %

ROC

MIF/Cr

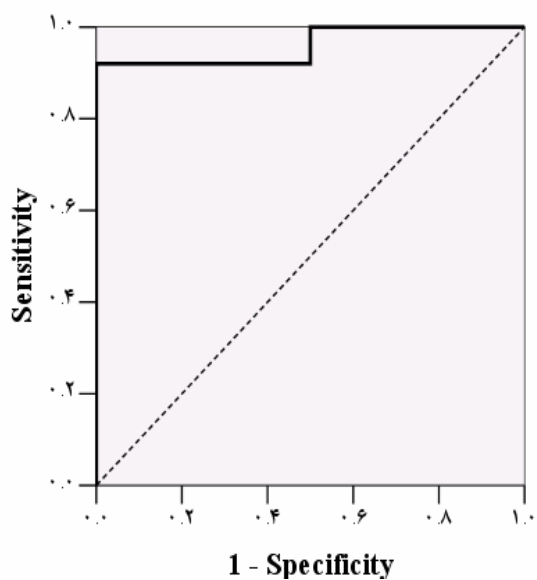
(AUC= / P < /)
(AUC= / P < /)

MIF/Cr

ROC

/ pg/ μ mol creatinine (cut-point)/ pg/ μ mol creatinine

(AUC)

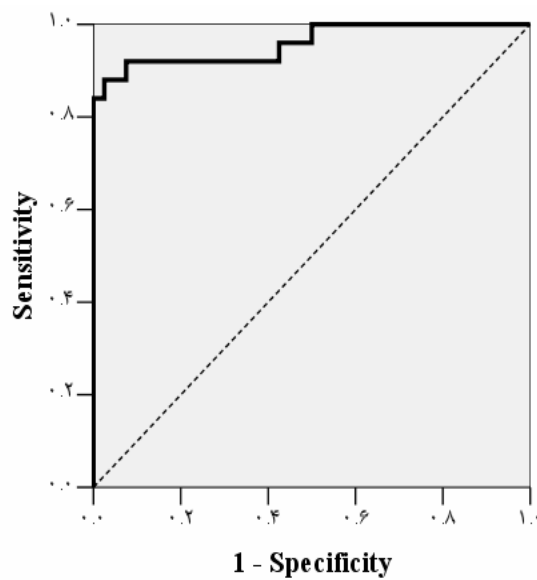
AUC_{MIF/Cr} = / (P= /)](P= /) AUC_{PMN} = / (P= /).[AUC_{WBC} = / (P= /) AUC_{ESR} = // pg/ μ mol creatinine .

(Receiver Operating Curve) ROC

(pg/ μ mol) MIF/Cr

= /]

[P < / (AUC)

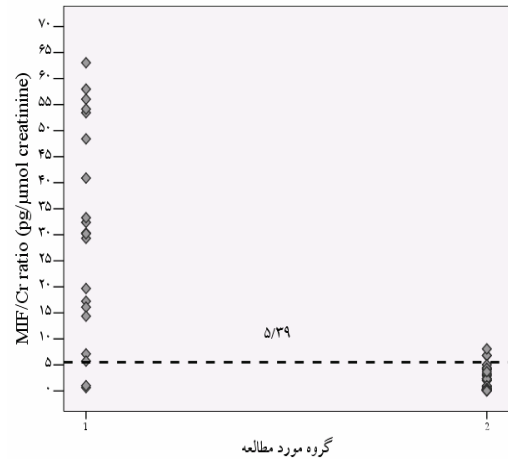
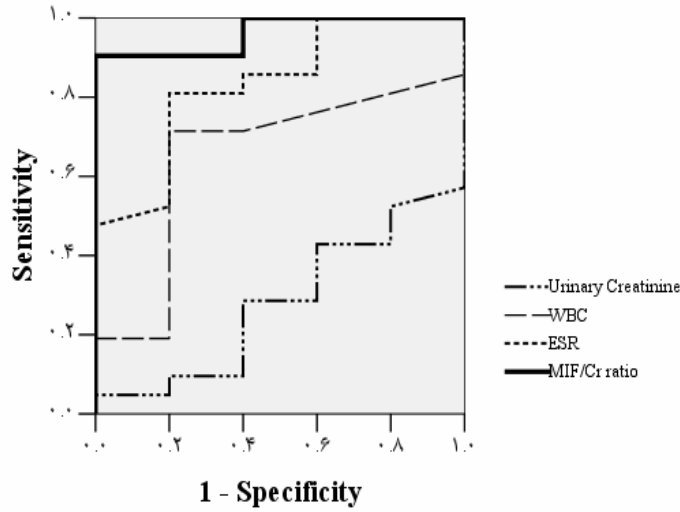


(Receiver Operating Curve) ROC

(pg/ μ mol) MIF/Cr

= /]

[P < / (AUC)



(Receiver (AUC) -) MIF/Cr -
Operating Curve) ROC (pg/μmol

MIF/Cr .
(P = / AUC = /)
ESR
WBC (P = / AUC = /)
= /) Cr (P = / AUC = /)
(P = / AUC

(MIF)
(-) T
MIF

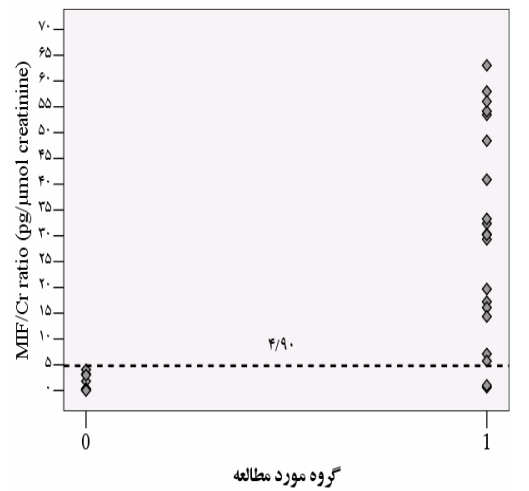
()
MIF

()

MIF

-

()



) MIF/Cr -
(pg/μmol

/ pg/μmol MIF/Cr

(= % = %)

MIF

MIF

MIF/Cr

$$\cdot \left(\begin{array}{c} - \\ \end{array} \right)$$

MIF/Cr

. () MIF

Meyer-Siegler

pg/μmol creatinine / pg/μmol creatinine

MIF	ELISA
0.00	0.00
0.01	0.01
0.02	0.02
0.03	0.03
0.04	0.04
0.05	0.05
0.06	0.06
0.07	0.07
0.08	0.08
0.09	0.09
0.10	0.10
0.11	0.11
0.12	0.12
0.13	0.13
0.14	0.14
0.15	0.15
0.16	0.16
0.17	0.17
0.18	0.18
0.19	0.19
0.20	0.20
0.21	0.21
0.22	0.22
0.23	0.23
0.24	0.24
0.25	0.25
0.26	0.26
0.27	0.27
0.28	0.28
0.29	0.29
0.30	0.30
0.31	0.31
0.32	0.32
0.33	0.33
0.34	0.34
0.35	0.35
0.36	0.36
0.37	0.37
0.38	0.38
0.39	0.39
0.40	0.40
0.41	0.41
0.42	0.42
0.43	0.43
0.44	0.44
0.45	0.45
0.46	0.46
0.47	0.47
0.48	0.48
0.49	0.49
0.50	0.50
0.51	0.51
0.52	0.52
0.53	0.53
0.54	0.54
0.55	0.55
0.56	0.56
0.57	0.57
0.58	0.58
0.59	0.59
0.60	0.60
0.61	0.61
0.62	0.62
0.63	0.63
0.64	0.64
0.65	0.65
0.66	0.66
0.67	0.67
0.68	0.68
0.69	0.69
0.70	0.70
0.71	0.71
0.72	0.72
0.73	0.73
0.74	0.74
0.75	0.75
0.76	0.76
0.77	0.77
0.78	0.78
0.79	0.79
0.80	0.80
0.81	0.81
0.82	0.82
0.83	0.83
0.84	0.84
0.85	0.85
0.86	0.86
0.87	0.87
0.88	0.88
0.89	0.89
0.90	0.90
0.91	0.91
0.92	0.92
0.93	0.93
0.94	0.94
0.95	0.95
0.96	0.96
0.97	0.97
0.98	0.98
0.99	0.99
1.00	1.00

/

MIF

 $\cdot ()$

MIF/Cr

.()

MIF

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