

// ()
//

*

(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)

×g

T

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)	()
/	/	/	(%) :
(SEM= /)	(SEM= /)	(SEM= /)	(SEM= /) (%) :
/	/	/	(%) :
(SEM= /)	(SEM= /)	(SEM= /)	(SEM= /) (%) :
/	/	/	(% /) :
(SEM= /)	(SEM= /)	(SEM= /)	(SEM= /) (% /) :

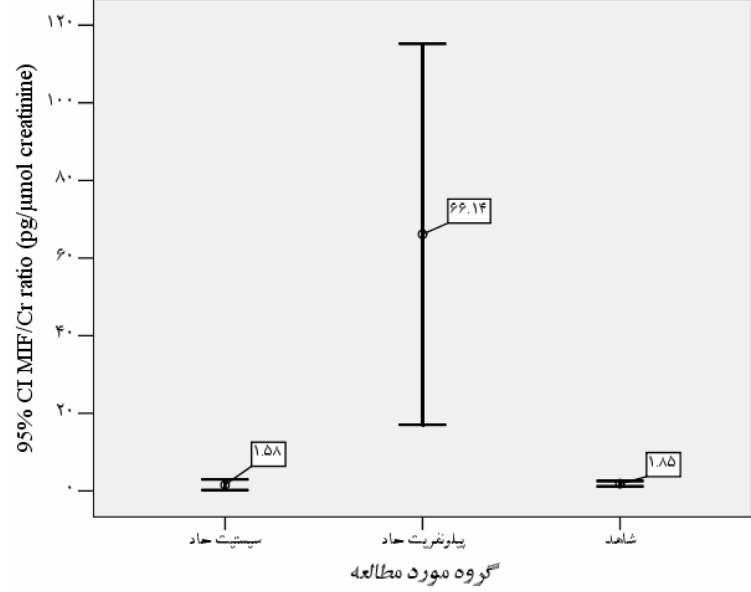
MIF
 MIF/Cr
 B A
 pg/ μ mol creatinine :
 MIF/Cr / (SEM = /)
 ESR () / (SEM = /) pg/ μ mol creatinine (A)
 (P < /) MIF (P= /) pg/ μ mol (B)
 (P= /) PMN .C / (SEM = /) creatinine
 B A MIF/Cr
 (p < /) C (p < /)

B A

ANOVA

(P= /)

MIF/Cr



MIF/Cr

MIF/Cr

(P< /)

(P< /)

(P= /)

MIF/Cr

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= /)	(/μl) WBC
/	(SEM=)	(SEM= /)	(/μl) PMN
/ *	(SEM= /)	(SEM= /)	(mm/h) ESR

(P< /)

*

% / %
/ pg/ μ mol creatinine
% %

ROC

MIF/Cr

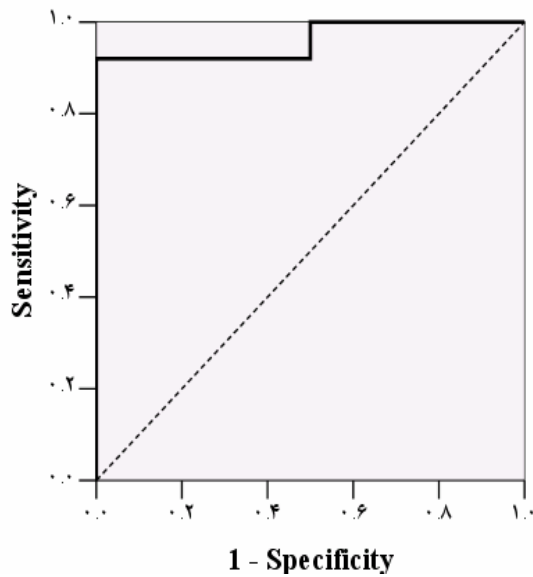
(AUC= / P < /)
(AUC= / P < /)

MIF/Cr

ROC

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

(AUC)

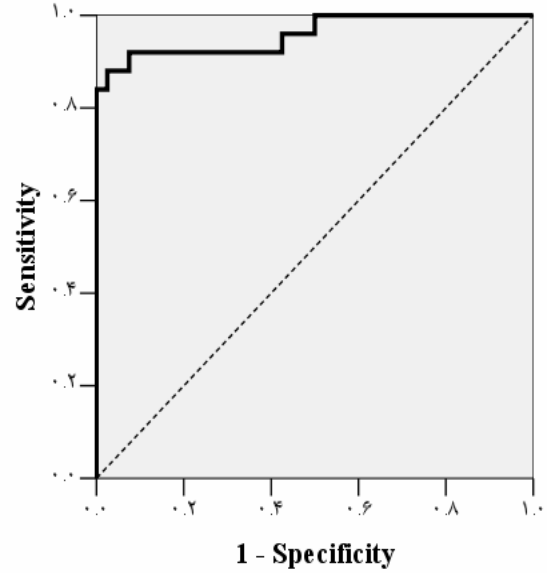
AUC_{MIF/Cr} = / (P= /)](P= /) AUC_{PMN} = / (P= /).[AUC_{WBC} = / (P= /) AUC_{ESR} = // pg/ μ mol creatinine .

(Receiver Operating Curve) ROC

(pg/ μ mol) MIF/Cr

= /]

[P < / (AUC)

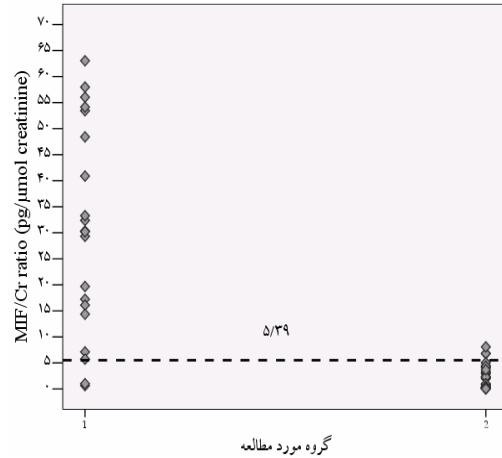
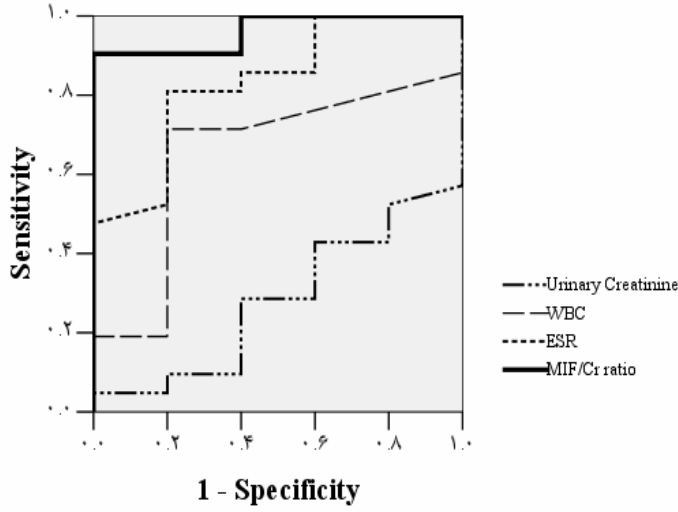


(Receiver Operating Curve) ROC

(pg/ μ mol) MIF/Cr

= /]

[P < / (AUC)

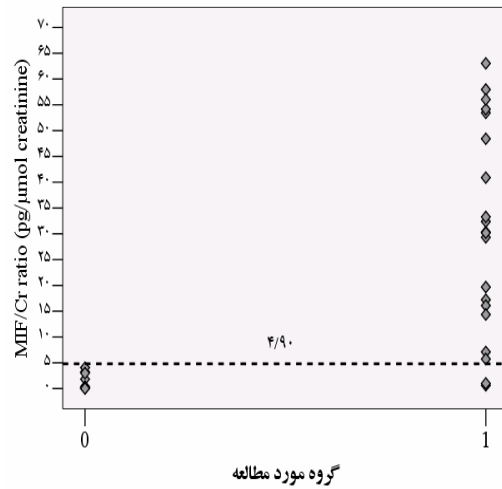


(Receiver (AUC))
Operating Curve) ROC

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

) MIF/Cr (pg/μmol
MIF/Cr / pg/μmol
= %)
(= % /

(MIF)
() T
MIF
()
MIF
()
MIF



) MIF/Cr (pg/μmol
/ pg/μmol MIF/Cr

(= % = %)

/

MIF

MIF

MIF/Cr

Meyer-Siegler

MIF

MIF/Cr

.()

MIF/Cr

.()

MIF

Meyer-Siegler

pg/ μ mol creatinine / pg/ μ mol creatinine

MIF ELISA

/

MIF

.()

MIF/Cr

.()

MIF

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