

// ()
// , ,

*

(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
(Receiver Operating Curve) ROC
AUC
(Area Under Curve)
ANCOVA

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

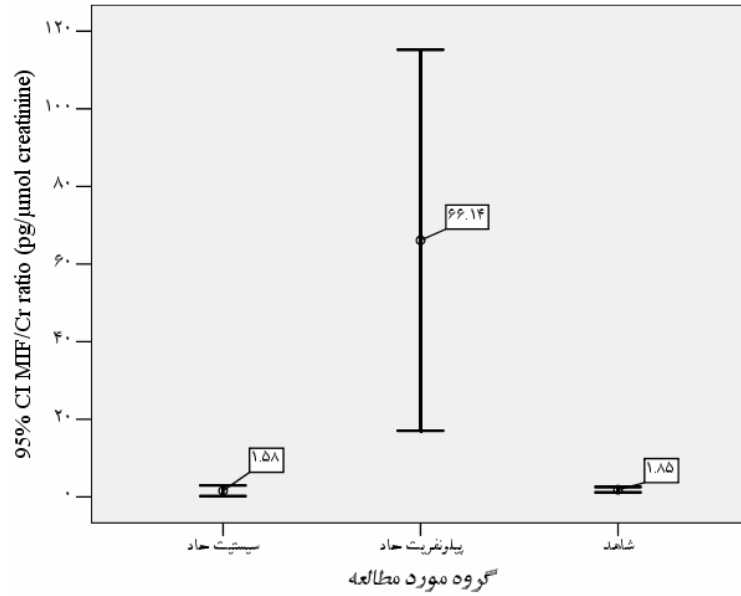
MIF
MIF/Cr
B A
pg/ μ mol creatinine :
/ (SEM= /)
ESR (/ (SEM= /) pg/ μ mol creatinine (A)
(P < /) MIF (P= /) pg/ μ mol (B)
(P= /) PMN .C / (SEM= /) creatinine
B A MIF/Cr
(p < /) C (p < /)

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

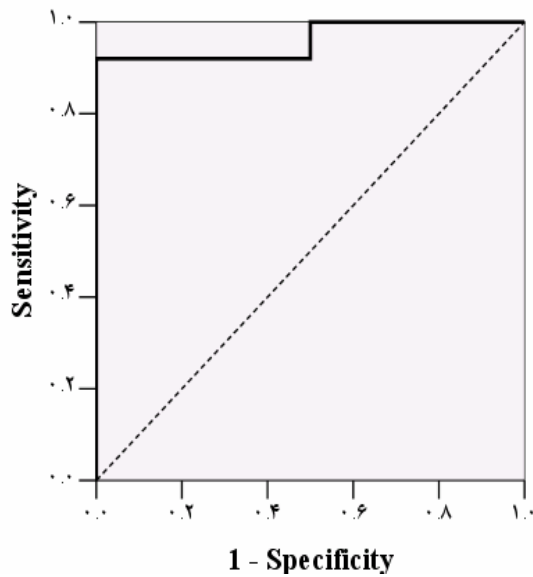
(AUC= / P < /)
(AUC= / P < /)

MIF/Cr

ROC

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

(AUC)

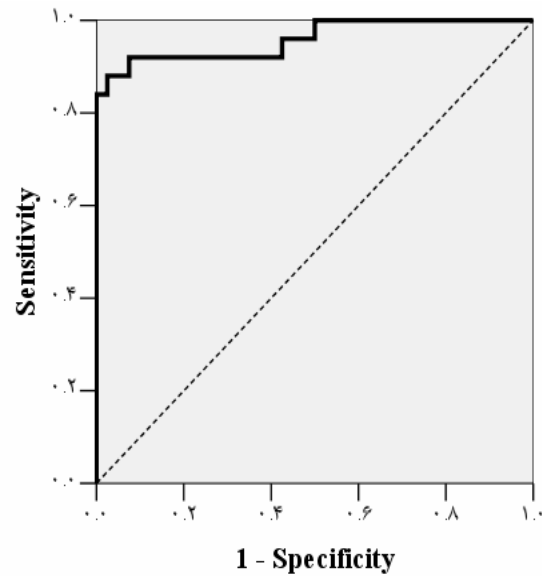
AUC_{MIF/Cr} = / (P= /)](P= /) AUC_{PMN} = / (P= /).[AUC_{WBC} = / (P= /) AUC_{ESR} = // pg/ μ mol creatinine .

(Receiver Operating Curve) ROC

(pg/ μ mol) MIF/Cr

= /]

[P < / (AUC)

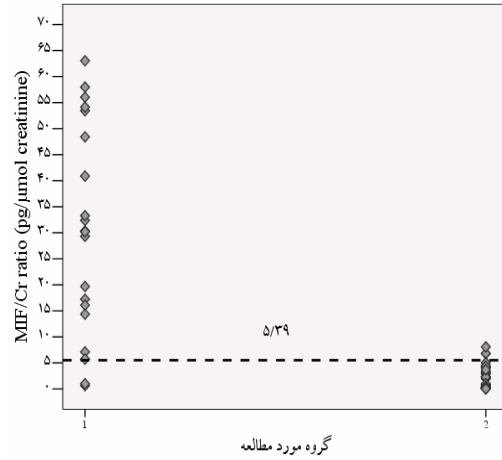
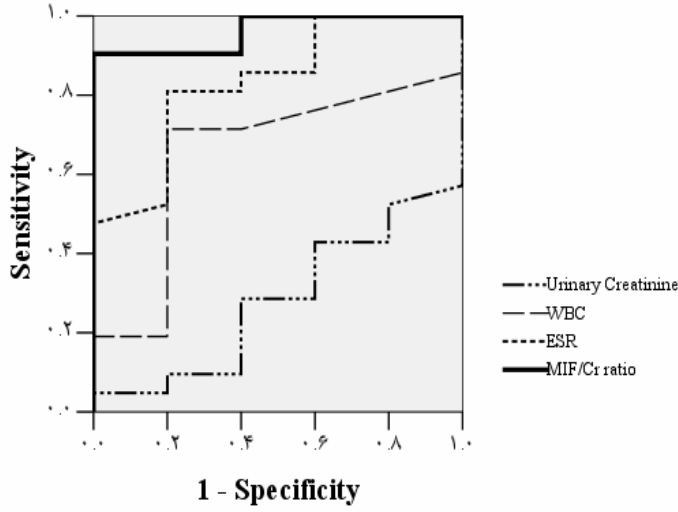


(Receiver Operating Curve) ROC

(pg/ μ mol) MIF/Cr

= /]

[P < / (AUC)



(Receiver (AUC) Operating Curve) ROC

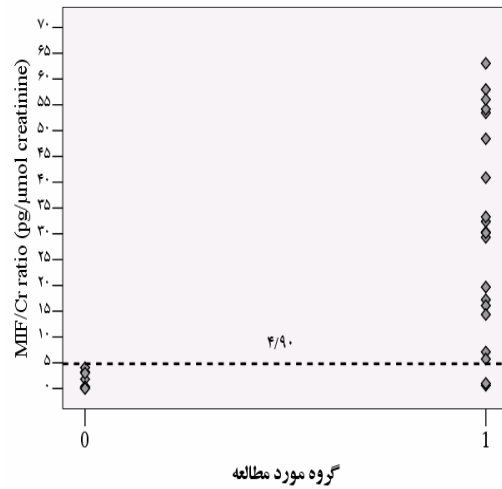
) MIF/Cr (pg/μmol

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

MIF/Cr / pg/μmol
 = %)

(= % /

(MIF)
 () T
 MIF



()
 MIF

) MIF/Cr (pg/μmol

()
 MIF

/ 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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