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()

*

(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) ()

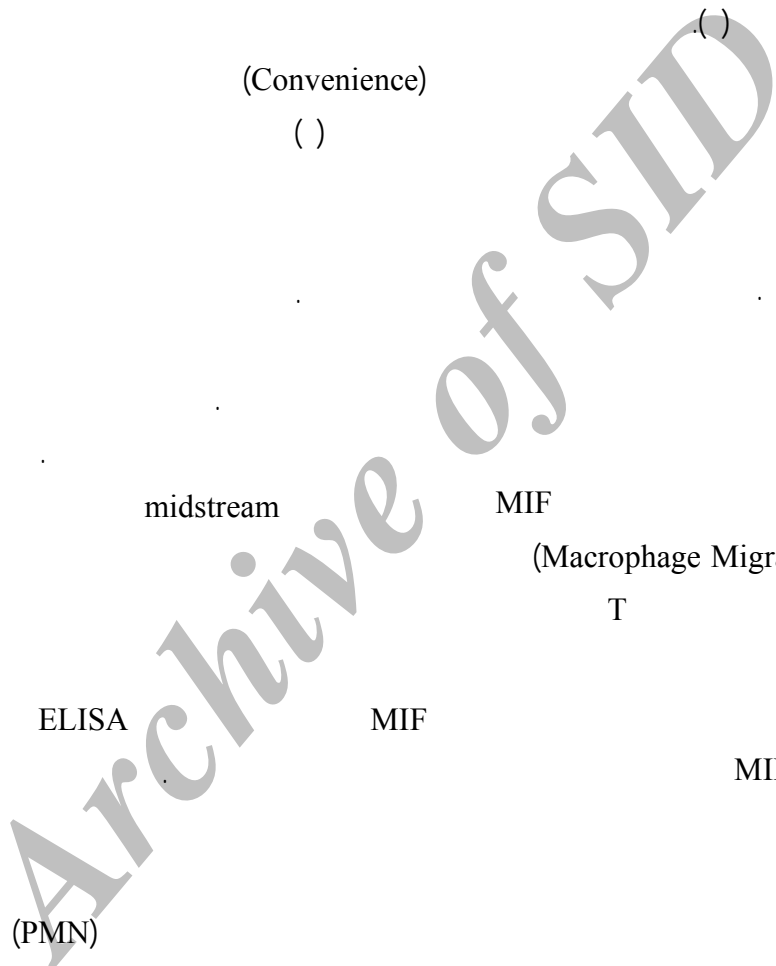
ESR

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 = /) / (SEM = /) (Area Under Curve)
ANCOVA

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

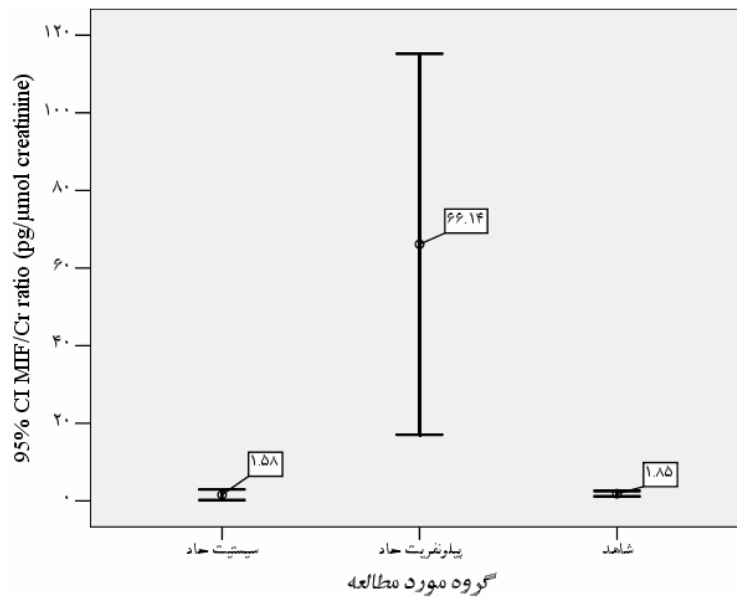
MIF
MIF/Cr
B A
MIF/Cr
ESR ()
(P < /) MIF (P= /)
(P= /) PMN
C
B A MIF/Cr
(p < /) C (p < /)
pg/ μ mol creatinine :
/ (SEM = /)
/ (SEM = /) pg/ μ mol creatinine (A)
pg/ μ mol (B)
/ (SEM = /) creatinine

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

(P< /)

*

% / %
/ pg/ μ mol creatinine
% %

ROC

MIF/Cr

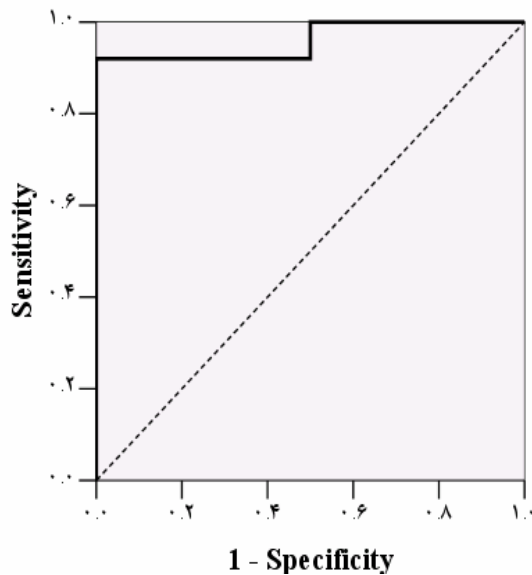
(AUC= / P < /)
(AUC= / P < /)

MIF/Cr

ROC

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

(AUC)

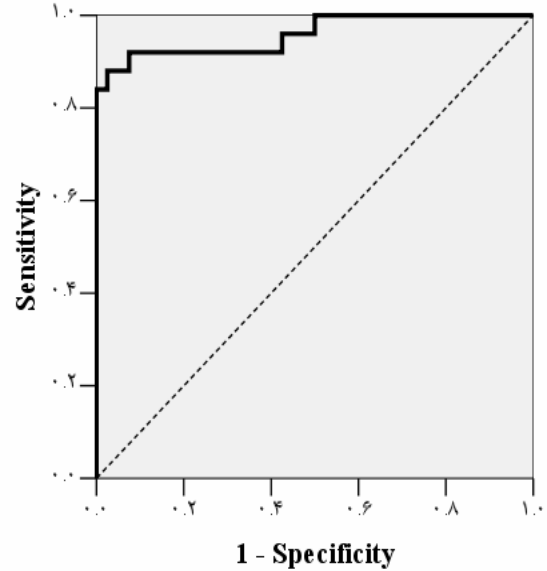
AUC_{MIF/Cr} = / (P= /)](P= /) AUC_{PMN} = / (P= /).[AUC_{WBC} = / (P= /) AUC_{ESR} = // pg/ μ mol creatinine .

(Receiver Operating Curve) ROC

(pg/ μ mol) MIF/Cr

= /]

[P < / (AUC)



(Receiver Operating Curve) ROC

(pg/ μ mol) MIF/Cr

= /]

[P < / (AUC)

/

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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