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^{99m}Tc-MIBI

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^{99m}Tc -MIBI :

^{99m}Tc

:

^{99m}Tc -MIBI

Micronucleus assay

Paired t- test

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/ ± / / ± /

/ ± / / ± /

^{99m}Tc -MIBI ^{99m}Tc :

^{99m}Tc -MIBI :

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DNA (DNA

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^{99m}Tc

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^{99m}Tc

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^{99m}Tc -MIBI

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(Sequential)

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DNA

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(DNA

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^{99m}Tc -MIBI

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(Sigma (blind)

-

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(Biosera -

RPMI

Viability

g

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(

Hanks

g ()

-

(Sigma)

Viability

(

(

(Gibco)

(%

RPMI) Gibco

%

(

^{99m}Tc -MIBI

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set up

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(%) . / /) ()

(%)

(%)

. /

paired t-test

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.(P < /)

SPSS 15

^{99m}Tc -MIBI

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paired t-test

independent samples t-test

P- value < /

/ ± / / ± /

/ ± / / ± /

(%))

/ ± /

((%)

/ ± /

-

/ ± /

-

%

± /

(/ ± /)

.(P > /)

-

^{99m}Tc -MIBI

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/ ± /

/ ± /

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% / ± /

% / ± /

() ^{99m}Tc –MIBI

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 ^{99m}Tc -HMPAO

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^{99m}Tc -HMPAO

.()

^{99m}Tc -HMPAO

^{99m}Tc –MIBI

Taibi

.()

() ex vivo

in vivo

.()

.(-)

FISH

^{99m}Tc

in vitro

.()

in vivo

FISH

blind

 ^{99m}Tc -MIBI

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